California Academy of Sciences

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Mr. Edwin R. Leach
April 27, 1960
A MANUAL OF BRITISH COLEOPTERA, OR BEETLES;

CONTAINING

A BRIEF DESCRIPTION OF ALL THE SPECIES OF BEETLES HITHERTO ASCERTAINED TO INHABIT GREAT BRITAIN AND IRELAND;

TOGETHER WITH

A NOTICE OF THEIR CHIEF LOCALITIES, TIMES AND PLACES OF APPEARANCES, ETC.

BY

JAMES FRANCIS STEPHENS, F.L.S. &c.

MEMBER OF THE ENTOMOLOGICAL SOCIETY OF LONDON;

AUTHOR OF "ILLUSTRATIONS OF BRITISH ENTOMOLOGY," "A SYSTEMATIC CATALOGUE OF BRITISH INSECTS," "THE NOMENCLATURE OF BRITISH INSECTS," ETC. ETC.

LONDON:

PRINTED FOR LONGMAN, ORME BROWN, GREEN, AND LONGMANS, PATERNOSTER-ROW.

1839.
INTRODUCTION.

When the question respecting the copyright of my "Illustrations" was under discussion, I was strongly urged by my publishers to undertake an abridgment of them, in order to guard against a recurrence of the evil of which I then complained; acting upon that recommendation, I proceeded to some extent to abridge the above work; but, in consequence of resuming the publication thereof, I abandoned my design, until it should be completed: circumstances wholly uncontrollable by me, however, unfortunately suspended its appearance. I then gradually renewed my labours with regard to the abridgment, until within these few months, when a work of a similar nature was announced as being in course of preparation; and, well knowing that such an attempt could not be made without drawing largely from my "Illustrations," I proceeded with greater rapidity with my labours, made the requisite arrangements, and my intention of publishing was declared:—the present Volume is the primary consequence; and it is proposed to add three or four others, in which all the hitherto discovered British Insects will be concisely described, so far as my own collections and those of my friends will afford materials. The subject is, however, so vast, and the objects frequently so minute, that numerous species will doubtless remain for the present, if not for ever, undetected; although I have been unremitting in my endeavours, during the past thirty years, to render my collections as complete as possible, and have amassed by far the largest collection of indigenous insects that has ever been formed, consisting of nearly 100,000 specimens in their various stages, as shown by the following enumeration, taken during the last winter:—

<table>
<thead>
<tr>
<th>Species</th>
<th>Species about</th>
<th>Specimens No.</th>
<th>Drawers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coleoptera*</td>
<td>- - -</td>
<td>3,320</td>
<td>26,109 compressed in 28</td>
</tr>
<tr>
<td>Dermaptera</td>
<td>- - -</td>
<td>7</td>
<td>48</td>
</tr>
<tr>
<td>Orthoptera</td>
<td>- - -</td>
<td>59</td>
<td>326</td>
</tr>
<tr>
<td>Neuroptera</td>
<td>- - -</td>
<td>223</td>
<td>1,066</td>
</tr>
<tr>
<td>Trichoptera</td>
<td>- - -</td>
<td>177</td>
<td>620</td>
</tr>
<tr>
<td>Hymenoptera</td>
<td>- - -</td>
<td>2,960</td>
<td>21,122</td>
</tr>
<tr>
<td>Strepsiptera</td>
<td>- - -</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Lepidoptera</td>
<td>- - -</td>
<td>1,825</td>
<td>14,477</td>
</tr>
</tbody>
</table>

* Several apparent species are still unnoticed in this Manual.
**INTRODUCTION.**

<table>
<thead>
<tr>
<th>Category</th>
<th>Species about</th>
<th>Specimens No.</th>
<th>Drawers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diptera</td>
<td>2,450</td>
<td>11,546</td>
<td>40,467</td>
</tr>
<tr>
<td>Homaloptera</td>
<td>10</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Aphaniptera</td>
<td>14</td>
<td>26</td>
<td>1</td>
</tr>
<tr>
<td>Apterida</td>
<td>154</td>
<td>360</td>
<td>4</td>
</tr>
<tr>
<td>Hemiptera</td>
<td>346</td>
<td>2,720</td>
<td>2</td>
</tr>
<tr>
<td>Homoptera</td>
<td>351</td>
<td>1,984</td>
<td>2</td>
</tr>
<tr>
<td>Ametabola</td>
<td></td>
<td>11,898</td>
<td>80,452</td>
</tr>
<tr>
<td>Crustacea</td>
<td></td>
<td>94</td>
<td>260</td>
</tr>
<tr>
<td>Arachnida</td>
<td></td>
<td>457</td>
<td>1,470</td>
</tr>
<tr>
<td>Acari</td>
<td></td>
<td>12,449</td>
<td>82,182</td>
</tr>
<tr>
<td>Myriapoda</td>
<td></td>
<td>6,000</td>
<td>173</td>
</tr>
<tr>
<td>Metamorphoses</td>
<td></td>
<td></td>
<td>60,000</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>12,449</td>
<td>88,182</td>
</tr>
</tbody>
</table>

In this collection are included, in fine condition, *the original specimens* described in the "*Coleoptera Britannica*" of Marsham, and also by far the greater portion of those subsequently named or monographed by Kirby, Leach, &c., throughout the different orders, as well as of *all* the obscure species described by Haworth in "*Lepidoptera Britannica*," and many of the rarer ones figured by Donovan: to which may be added a copious selection, regardless of cost, from Francillon's and other collections, exclusively of those above alluded to, and of entire collections privately purchased, that have been disposed of at various periods during the past twenty-five years.

With such ample resources, therefore, I indulge a hope that they will enable me to give a more complete synopsis of the British species of insects than can possibly be effected by any other individual at the present time, except by infringing upon my labours. Though immense as the above statement appears, it may be perceived by the following pages that above 150 truly indigenous species of Coleopterous insects (or *Beetles*) are still desiderated by me; of which a corrected list is inserted at the termination of this Introduction.

Referring more immediately to the present work, the object of which is to render a knowledge of the delightful science of Entomology more generally accessible, by enabling the student (at a reasonable cost) to obtain the names of his insects, and thereby to register more conveniently any facts that he may observe with respect to their economy, &c., than when in ignorance of them; and, regard being had, at the same time, to portability, the descriptions are drawn up as concisely as appears compatible with the great extent of the subject; all minor points being necessarily left to be obtained from the original works, as referred to under each individual species; and as a means of rendering the present series of volumes...
more compact, numerous contractions of parts (as ant. antennæ, tho.
thorax, &c.) have been employed.

In drawing up the descriptions, the leading characters have been
chiefly attended to, though in some instances, perhaps, more detail
than necessary has probably been introduced; it is, however, hoped
that enough is generally stated to enable the species to be recognised.
The principal localities are appended to each species, as well as
the kinds of places, or food, in or upon which they are found; ex-
cept amongst the Adephaga, of which the species of the first section
(Geodephaga) are mostly found beneath stones, clods, roaming about,
&c.; while those of the second (Hydradephaga), as well as the ma-
jority of the Philhydrida, occur in water: the figures after the
localities indicate the months in which the insect most abounds;
and those species to which this mark (*) is attached, are to be found
at all times, whilst the * denotes some of the most universally dis-
tributed and abundant kinds.

The genera and species included in parentheses are such as
appear to have been improperly introduced into the British lists;
and the species of questionable distinction are in most instances
recorded as varieties of the one they seem allied to, but with a dis-
tinctive name.

In my "Illustrations" I have described 3646 species of Beetles as
distinct, whereas only 3470 occur in the present work (132 of
which are in parentheses); arising from many of the supposed species
having been referred, as varieties or sexes, to their respective types, as
above alluded to; especially amongst the Rhynephophora and the Bra-
chelytra: the former in most instances in accordance with the practical
observations of Mr. Walton, and the latter from those of the Rev. G.
T. Rudd, the results being kindly communicated to me, accompanied
with hundreds of typical examples, for the purpose of authentication.
To the above gentlemen in particular, therefore, as well as to my
other friends who have assisted me in my present undertaking, I beg
to return my warmest acknowledgments for their obliging favours.

As to the Nomenclature, I have endeavoured to ascertain and to
employ the oldest names, and in all instances to refer to the author
of the same, when known to me: in the following pages, therefore, the MSS names of the species are distinguished by having no figures
 appended to those of their authors. I have also referred to a figure
of each species, where I had the means at hand; though from want
of some of the illustrated works I have unfortunately been compelled
to omit a few references to figures that I have seen since the body
of the work was printed.

The following is a revised list of the species of Beetles wanting to
complete my collection to the present time; viz. —

1 Dromius Sigma. 9 Lebia ephippium.
1 Lebia turcica. 2 S. privata Bayzvithii.
INTRODUCTION.

1 Oxygnathus anglicanus.
2 Aristus fulvipes.
3 Cytherus elongatus.
4 Carabus agricola.
5 Lebias nigricans.
6 Podisma lineatum.
7 Helobia lata.
8 Hydrophilus piceus.
9 Micropeplus tessellatus.
10 Psamochilus pedemontana.
11 Centrochila latistyla.
12 Mylabris pallidula.
13 Callistethus maculata.
14 Aplocnus simillimus.
15 Sphaerocondyla fulva.
16 Microbrosia fuscula.
17 Chersina variabilis.
18 Sphenophorus fulvus.
19 Aplocnus otiosus.
20 Xylophagus auratus.
21 Helophorus punctatus.
22 Oxygnathus anglicanus.
23 Aristus fulvipes.
24 Cytherus elongatus.
25 Carabus agricola.
26 Lebias nigricans.
27 Podisma lineatum.
28 Helobia lata.
29 Hydrophilus piceus.
30 Micropeplus tessellatus.
31 Psamochilus pedemontana.
32 Centrochila latistyla.
33 Mylabris pallidula.
34 Callistethus maculata.
35 Aplocnus simillimus.
36 Sphaerocondyla fulva.
37 Aplocnus otiosus.
38 Xylophagus auratus.
39 Helophorus punctatus.
40 Oxygnathus anglicanus.
41 Aristus fulvipes.
42 Cytherus elongatus.
43 Carabus agricola.
44 Lebias nigricans.
45 Podisma lineatum.
46 Helobia lata.
47 Hydrophilus piceus.
48 Micropeplus tessellatus.
49 Psamochilus pedemontana.
50 Centrochila latistyla.
51 Mylabris pallidula.
52 Callistethus maculata.
53 Aplocnus simillimus.
54 Sphaerocondyla fulva.
55 Helophorus punctatus.
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59 Carabus agricola.
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63 Hydrophilus piceus.
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69 Aplocnus simillimus.
70 Sphaerocondyla fulva.
71 Aplocnus otiosus.
72 Xylophagus auratus.
73 Helophorus punctatus.
74 Oxygnathus anglicanus.
75 Aristus fulvipes.
76 Cytherus elongatus.
77 Carabus agricola.
BEGIN INTRODUCTION

I consider the 114 species above recorded to be really indigenous; and of that number I believe 63 to be unique: of those to which a * is annexed I possess foreign specimens; but for British examples of those, or of any of the above-mentioned insects, I shall be very thankful, and will endeavour to make suitable returns to the donors. The 71 species printed in italics are presumed to be foreign. In the body of the work, the † denotes those insects wholly wanting to my collection; and the ‡, such indigenous ones as I possess foreign specimens of alone.

In conclusion, I have to remark that my collections are thrown open for inspection, &c., to any gentleman, upon the presentation of his card, every Wednesday evening, at which time I shall be happy to receive my entomological friends as usual.

J. F. S.

Eltham Cottage,
Foxley Road, Kennington,
15th October, 1839.

END INTRODUCTION
ERRATA ET CORRIGENDA.

Page 1. line 4. from bottom, after "ant. slender, setaceous," add "or short, clavate."
61. lines 2. and 6. from bottom, for "10-jointed," read "indistinctly 11-jointed."

NECROPHORUS.

902. Sepulchor Gyll. — is N. vestigator Erichson.
903. interruptus Ste. — is fossor Erich.
904. vestigator Hersch. ? — is ruspator Erich.
905. obrutor Erich. — is Sepulchor Charp.

The nomenclature, therefore, of these 4 species in order of priority should stand thus: —
903. interruptus Ste. Man. 903 — Ne. fossor Erich.
904. ruspator Erich. — Ne. vestigator Ste. Man. 904.
AUTHORS QUOTED.


Ahr. F. - Ahrensi's Fauna Insect. Europe. Halle, 1812, 12mo.


Aubé Ic. - See De Jean Ic.


Bon. Obs. - Bonelli, Observations Entomologiques. Turin, 1809, 4to.


Ceder. F. I. - Fauna Ingricea Prodromus, by Cederheilm. Lipsiae, 1798, 1 vol. 8vo.

Charp. (H. E.) - Horae Entomologicae, by Charpentier, Wratislaviae, 1825, 1 vol. 4to.


Creutzer, E. V. - Creutzer Entomologische Versuche. Wien, 1799, 1 vol. 8vo.


De J. Cat. - Catalogue de la Collection de Coléoptères de M. le Baron de Jean. Paris, 1836, 8vo.


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Erich. K. - Die Kafer de Mark Brandenburg, by Erichson. Berlin, 1837-9, 1 vol. 8vo.

Fab. E. S. - Fabricii Entomologia Systematica. Hafnia, 1792, 4 vols. 8vo.
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Forst. C. - Forsteri Novæ Species Insectorum, Cent. 1. London, 1771, 8vo.


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Germ. II. Dalm. - Germari Iter Dalmatici.

Grav. Mi. - Coleoptera Microptera Brunsvicensia, &c., by Gravenhorst. Brunswick, 1802, 8vo.
Grav. Mo. - Monographia Coleopterarum Micropterorum, by Gravenhorst. Gottingæ, 1806, 8vo.

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Ill, or III. K. - Verzeichniss der Käfer Preussens, &c., von Illiger. Halle, 1798, 8vo.


Kunzé M. - Monographia Seydmanidarum à Kunzé. 1820, 8vo.
Leach Z. M. - The Zoological Miscellany, by Dr. Leach. London, 1814, &c., 3 vols. 8vo.
L. F. - Linnæi Fauna Suecica. Stockholmæ. 1761, 1 vol. 8vo.
L. M. - Linnæi Mantissa Plantarum. Holmiae. 1761, 1 vol. 8vo.

Mann. Pr. - Précis d’un nouvel Arrangement de la Famille des Brachélytres, &c., par Mannerheim. St. Petersb. 1830, 4to.
Millard B. E. - Millard’s Outlines of British Entomology. Bristol, 1821, 12mo.

Naturf. - Der Naturforscher. Halle, 1774, &c., 28 vols. 8vo.
N. A. Hall. - Neue Schriften der Naturforschenden G. Halle. Hæle, 1811, &c., 8vo.

Pét. I. C. - Petagna Specimen Insectorum Ulterioris Calabriæ. Francofurti, &c., 1787, 4to.
Pk. or Phk. F. - Paykulli Fauna Suecica; Insecta. Upsalia, 1798, &c., 3 vols. 8vo.
Ph. M. C. - Paykulli Monographia Caraborum Suecia. Ups. 1790, 8vo.
Ph. M. Cu. - Curculionum Sueciae. Ups. 1792, 8vo.
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Preysler B. - Verzeichniss Böhmischer Insekten, by Preysler. Prag, 1790, 4to.
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Rossi M. - Rossi Mantissa Insectorum. Pisis, 1792-4, 2 tom. 4to.
Samou. - Samouelle's Entomologist's Useful Compendium. Lond. 1819, 8vo.
Schaaff. Ic. - Schaffleri Icones Insectorum circa Ratisbonam indigenorum, &c. Regensburg, 1769, 3 tom. 4to.
Scop. - Scopoli Entomologia Carniolica, &c. Vindobonæ, 1763, 8vo.
Sow. B. M. - Sowerby's British Miscellany. Lond. 1806, 8vo.
Stu. V. - Sturm's Verzeichniss meiner Insecten Samlung, &c. Nurnberg, &c.
Vill. - Car. Linnæi Entomologia, &c., a Villers. Lugduni, 4 tom. 8vo.
West. Int. - Westwood's Introduction to the Modern Classification of Insects. Lond, 1837-40, 2 vols. 8vo.
A Manual of British Coleoptera, or Beetles.

Beetles are distinguished from other Insects by having usually 2 membranaceous (posterior) wings folded longitudinally and transversely during repose, and concealed by a pair of elytra (anterior wings or wing-cases) of a horny or leathery texture, united down the back by a straight suture: they have also the mouth armed with transversely moveable jaws (mandibles), and with 4 or 6 palpi.

Obs.—Many genera among the Carabidae, Curculionidae, Cantharidae, &c., are destitute of wings: some, as Cychrus, Blaps, many of the Curculionidae, &c., have the elytra soldered together: others, as Molorchus, Sitaris, &c., have the wings exposed, or have the elytra divaricating, narrowed at the tip, abbreviated, &c.: other exceptions likewise occur.

§ 1. ADEPHAGA Clairville.

Mouth with 6 palpi; one pair attached to the labium (or under lip), two to the maxillae: the superior portion of the maxillae scaly, the internal edge ciliated, its tip armed with a jointed or simple claw: mentum (chin) large, horny, nearly semicircular, deeply notched anteriorly, the notch often furnished with a tooth in the middle: tarsi (feet) with 5 joints.

Stirps 1. GIGADEPHAGA MacLeay.

Legs long, and formed for running, the 4 hinder being placed at equal distances apart, and capable of horizontal and vertical motions; the pectoral laminae into which they are inserted being of moderate size: body oblong, rarely ovate: ant. long, slender, filiform, or setaceous: eyes prominent: mand. not concealed by the labrum (upper lip): inner max. palpi with 1 or 2 joints, outer with 4; lab. palpi with 3 or 4 joints.

Stirps 2. HYDRADEPHAGA MacLeay.

Legs short, and formed for swimming, the hinder pair remote from the others, and capable of a horizontal motion only, the pectoral laminae into which they are inserted being large: body ovate, rarely oblong: ant. slender, setaceous: eyes slightly prominent: mand. with the tip only exposed: hook at the tip of the maxillae curved at the base: tho. broader than long — 4 posterior tibiae (shanks) and tarsi generally compressed and fringed with hair.
§ 2. RYPOPHAGA Stephens.

Mouth with 4 palpi, 2 labial and 2 maxillary; the inner maxillary being represented by the outer lobe of the maxilla, which is generally dilated, and sometimes jointed, but rarely palpiform: ant. clavate (clubbed), or gradually thickening from the base to the apex: tarsi mostly with 5 joints; in some cases the posterior pair are only 4-jointed.

Stirps 1. Philhydrida MacLeay.

Mand. small, rarely exserted: max. palpi usually 4-jointed: max. with the outer lobe generally jointed: body mostly short, convex, or rounded on the back: elytra covering the abdomen: hinder legs sometimes formed for swimming, but in the less typical families for walking: ant. tibiae often spinose.

Stirps 2. Necrophaga MacLeay.

Mand. generally exserted and elongate: max. palpi with the basal joint minute, or wanting, thence appearing 3-jointed: max. with a double membranaceous process, the outer lobe often slender, somewhat linear; rarely jointed: body more or less elongate, depressed; elytra frequently abbreviated: legs all formed for walking; ant. tibiae simple.


Mand. strong, seldom exserted: palpi generally filiform or subulated, rarely clavate; maxillary 4-jointed, labial 3-jointed; their terminal joint sometimes extremely minute or evanescent: max. with the tip often bifid, the outer lobe longest, acute, palpiform: body very long and narrow, with 2 vesicles at the tip: elytra considerably abbreviated, rarely covering half of the abdomen: legs formed for walking, anterior pair with elongate coxae; ant. usually moniliform, slightly thickened at the tip.

§ 3. VARICORNES Stephens.

Palpi 4, 2 labial and 2 maxillary, the inner maxillary pair wanting; head not produced into a rostrum in front: tarsi almost universally 5-jointed ant. various.

Stirps 1. Helocera Dumeril.

Ant. more or less clavate, the tip sometimes rather abruptly slender, the joints unequal, the basal joint occasionally half the entire length: tho. often with a groove beneath to receive the antennae: legs more or less compressed, capable of being closely applied to the body, on the sides of which are usually excavations for receiving them: sternum often produced in front and concealing the mouth beneath: body more or less globose and convex, or quadrate and depressed.

Stirps 2. Lamellicornes Latreille.

Ant. clavate, the club composed of 3, or more, lamellae, or pectinations, the basal joint sometimes half the entire length: legs slender and elongate, or shortish and stout, mostly formed for digging: tibiae externally denticate and spinulose.


Ant. filiform, rarely thickened at the tip; pectinated or serrated, or with the joints towards the apex slightly produced: sternum armed with a spine, the tip of which is received into a cavity in the middle of the breast: body often elliptic, conic, or trigonate, sometimes elongate: head short, deeply inserted in the thorax, which has the hinder angles acute: legs short, capable of being closely applied to the body.
§ 4. PSEUDOTETRAMERA Westwood.

Palpi 4, 2 labial and 2 maxillary, sometimes minute: head produced in front into a rostrum, with the mouth at its apex, and the ant. (9 to 12-jointed) more or less clavate; or head not rostrated, ant. 11 or 12-jointed, filiform or setaceous, occasionally serrated: labium more or less heart-shaped, occasionally entire: tarsi 5-jointed, the 4th joint exceedingly minute, and concealed by the 3rd.

Stirps 1. RHINCHOPHORA Latreille.
Head produced in front into a rostrum, with the mouth at the apex: palpi minute: labrum wanting, or obsolete: mand. generally small, stout: ant. inserted on the rostrum, mostly clavate, the basal joint usually elongate; funiculus (the joint between the basal one and the club) slender: body short, firm, hard: abdomen mostly robust.

Stirps 2. LONGICORNES Latreille.
Head not produced in front into a rostrum: palpi conspicuous: labrum more or less conspicuous, rarely obsolete: mand. generally large, robust: ant. filiform, or setaceous, more or less elongate, sometimes very long and slender: body more or less elongated, convex, or slightly depressed: eyes generally lunate.

Stirps 3. EUROPA Latreille.
Head not produced in front into a rostrum; deeply inserted into the thorax, which is mostly cylindric, narrower than the elytra; the latter elongate, sometimes depressed: body generally elongate; palpi and labrum conspicuous: labium generally entire: mand. short, entire, or bifid: ant. not longer than the head and thorax, somewhat filiform, sometimes a little thickened at the tip: eyes entire, rarely emarginate: hinder femora more or less clavate and elongate, sometimes toothed.

Stirps 4. CYCLICA Latreille.
Head not produced in front into a rostrum, frequently concealed beneath the front of the thorax, which last is often as broad at the base as the elytra; the latter occasionally shorter than the body, which is oval, or ovoid more or less globular, rarely elongate: ant. filiform, or slightly thickening to the apex: palpi incrassated in the middle: labrum distinct: labium thick, square, or oval, entire or faintly notched: eyes simple: legs moderate: femora subequal, or the hinder pair very much thickened.

§ 5. PSEUDOTRIMERA Westwood.
Palpi 4, 2 labial and 2 maxillary: body hemispheric, or oval: ant. short, gradually thickening to the apex, or abruptly clavate: palpi short, filiform, or with the terminal joint enlarged: head not produced anteriorly, deeply inserted into the thorax, which is short and transverse, or some-
what quadrate and flat: elytra arched, very convex, and covering the abdomen, which is ample, mostly flat beneath: legs short; tarsi 4-jointed, the 3d joint exceedingly minute, concealed within the 2d.

§ 6. HETEROMERA Latreille.

Palpi 4, 2 labial and 2 maxillary: labrum distinct: mand. horny, inner edge with 1 or 2 teeth, and furnished with a fleshy lobe: mentum distinct; labium leathery and pilose: ant. various, never laminated, or with a pectinated head: legs various: tarsi heteromerous; that is, the 4 anterior 5-jointed, the 2 posterior 4-jointed: the latter in rare instances penta-

merous.

§ 1. Stirps 1. GEODEPHAGA.

Family 1 CICINDELIDE. Max. armed with a moveable claw at the tip: labrum somewhat 3-angular, horny: mand. strong, furnished with acute teeth: labium minute; lab. palpi hairy, 3-jointed, with a moveable base: legs long, slender; anter. tibiae not notched on the inner side: ant. filiform; eyes very prominent.

Fam. 2 BRACHIDIDE. Max. with a fixed claw at the tip: labrum linear, sometimes notched, rarely 3-lobate: labium exerted: lab. palpi 4-jointed, the basal joint fixed: legs moderate; anter. tibiae with a notch on the inner side before the tip; anter. tarsi rarely dilated in the males (♂): elytra abruptly truncated, shorter than the abdomen: ant. filiform.

Fam. 3 SCARITIDE. Max. with a fixed claw at the tip: elytra entire, not truncated: abdomen remote from the thorax: labrum short, sometimes 3-lobate: labium short: lab. palpi 4-jointed, basal joint fixed: legs moderate: anter. tibiae deeply notched within, and mostly expanded and palminated externally: anter. tarsi simple in both sexes: ant. moniliform.

Fam. 4 CARABIDE. Max. with a fixed claw at the tip: elytra entire, not truncated: anter. tibiae slender, not notched within: anter. tarsi greatly dilated in the males: labrum lobate, rarely simple: labium generally with a tooth on its upper margin: lab. palpi 4-jointed, basal joint fixed: mentum large, produced in the centre: ant. slender, somewhat elongate, linear or setaceous.

Fam. 5 HARPALIDE. Max. with a fixed claw at the tip: elytra entire, or slightly notched behind: anter. tibiae not palmed, notched on the inner side: anter. tarsi more or less dilated in the males: labrum generally quadrate: mand. slightly toothed within, acute: labium quadrate, not toothed, furnished with a process on each side; lab. palpi 4-jointed, basal joint fixed: mentum deeply notched, notch sometimes bifid, or armed with a tooth: body elongate; neck rarely distinct.

Fam. 6 BEMBIDIDE. Max. with a fixed claw at the tip: elytra entire: anter. tibiae not palmed, their inner edge notched: anter. tarsi with one or more dilated joints in the males: labrum transverse: labium quadrate: external max. and lab. palpi with the terminal joint minute: mentum notched: ant. filiform.

Fam. 7 ELAPHRIDE. Max. with a fixed claw at the tip: elytra entire: anter. tibiae not palmed, without a notch on the side, but slightly notched at the apex: anter. tarsi not dilated in the males: labrum entire: mand. simple: lab. palpi 4-jointed, apical joint tumid, basal fixed: mentum notched, with a bifid central tooth: ant. short, stout.

Family 1. CICINDELIDE Leach.

Genus i. CICINDELA. Anter. tarsi of the ♂ (male) with three dilated joints, of the ♀ (female) simple: elytra oblong, ovate, depressed (with
discolorous markings): tho. somewhat quadrate; rarely a little cylindrical.

Genus 1. Cicindela of Authors.

1 sylvatica L. vol. ii. p. 658. — Sam. pl. 3. f. 8. — Ste. M. i. 7. — Above brown, with purplish tints; elytra with a crescent at the shoulder, a narrow, flexuous, reflexed stripe in the middle, and a spot near the tip, whitish; upper lip black. (Length 7-8 lines.) Sandy heaths: Cobham, Weybridge, Godalming, &c. Surrey; Christchurch, &c. Hants; Martlesham, Aldborough, &c. Suffolk: 4-7.

2 maritima De J. S. i. 52. — Ci. hybrida Sow. B. M. i. pl. 18. — Ste. M. i. 8.— Above purplish-copper; elytra with a crescent at the shoulder and at the tip, and a flexuous, very much deflexed, central band, cream-white. (L. 6-7 l.) Sandy coasts: Deal to Ramsgate, Kent; Southend, Essex; Swansca, Glam.; Scotland, &c.: 3-9.

3 hybrida L. ii. 657. — De J. S. i. pl. 4. f. 1. — Ci. aprica Ste. M. i. 8.— Above greenish-copper, or purplish; elytra rather convex, with a crescent at the shoulder and tip, and a slightly waved, abrupt, central band, cream-colour. (L. 6-7 l.) Var. Ci. riparia Mag. — Ste. M. i. 9. pl. 1. f. 1.— Narrower and darker with the central band on the elytra nearly straight. Sandy coasts of N. Wales; Preston, &c. Lancashire: 5-7.

4 Sylvicola Mag. — Cur. i. pl. 1. — Ste. M. i. 10. — Above purplish-green, with brighter green elytra; the latter with a crescent at the shoulder and tip, and a slightly waved, deflexed, central band, white. (L. 7 l.) Woodside, near Epping; very rare: 4.

5 campestris L. ii. 657.— Don. i. pl. 12. — Ste. M. i. 11. — Above bright silky green; elytra with 3, 4, or 5 white dots on the margin, and 1 on the disc, edged with brown; beneath coppery green: ♀ with a brown impression near the base of each elytron. (L. 5-7½ l.) Abundant on sandy and gravelly heaths, everywhere: *, ©.

6 germanica L. ii. 657. — Pz. F. vi. f. 8. — Ste. M. i. 11.— Somewhat cylindric; above dull green: elytra with a dot on the shoulder, 1 on the margin, and a crescent at the tip, white. (L. 5 l.) Local: chalky lane near Darenth, Kent;—grassy places, Puckaster Cove, Black-gang Chine, &c. Isle of Wight; Pangbourn, Berks: 3-6.

Fam. 2. BRACHINIDÆ MacLeay.

ii. Drypta Palpi elongate, last joint secundiform; mand. long, porrected: ant. with basal joint very long: tho. long, cylindric: tarsi with penult. joint bilobed: claws simple.


v. Dromius Palpi short, filiform; last joint of max. truncate: ant. with basal joint short: 2d as long as 3d: tho. longer than wide, somewhat heart-shaped, or nearly square, being slightly narrowed behind: body depressed: tarsi and claws simple.


vii. Lamprias Palpi short, filiform: ant. with basal joint short: tho. shorter
than wide, heart-shaped, lobed behind: body slightly depressed, broad: tarsi with penult. joint bilobed: claws toothed.


2 Drypta Fabricius.


3 Odacantha Paykull.

8 melanura Ph. i. 69. — Ste. M. i. 14. — Cur. v. pl. 227. — Green-blue: elytra pale red, with a blue-black spot on the suture at the tip; base of antennae, breast, and legs pale red; tips of antennae and of thighs black. (L. 3 l.) Marshy and boggy districts: Horning and Yarmouth, Norf.; Upware, &c., Camb.; Whittlesea Mere, Hants; Swansea, &c.: 6-7.

4 Demetrias Bonelli.

9 imperialis Meg. — Sturm. D. F. vii. pl. clxiii. — Ste. M. i. 176. — Pale yellow: head black; thorax reddish; elytra flat, pale, with a broad wedge-shaped brown patch on the suture and a deep black spot on the margin, behind the middle, usually connected with the patch; breast pitchy; legs pale. (L. 3 l.) Southend, Ess.; and in the marshes about Cambridge: 3-5.


11 monostigma Leach. — Cur. iii. pl. 119. — Ste. M. i. 15. — Pale yellow: head black; elytra with a distinct blackish spot on the suture; breast ochreous. (L. 2 l.) Rather local: South-Creek, Norf.; Whittlesea Mere, Swansea, &c.: 3-9.

5 Dromius Bonelli.

12 agilis Fab. E. i. 185. — Pz. F. xxx. f. 9. var. — Ste. M. i. 21. — Oblong: head and thorax reddish; the latter nearly square, with acute hinder angles; elytra dark brown, with two rows of impressed dots; antennae and legs pale red. (L. 2½-3 l.) Var. Head dusky; elytra sometimes with a pale spot on the disc. Common in hedges and under bark of trees: *; ©.

13 meridionalis De J. S. i. 242. — Ste. M. i. 16. — Ca. agilis Pz. lxxv. f. 11.? — Oblong: head and thorax reddish (or brown); the latter broader
than long, its hinder angles obtuse; elytra dark brown, with one row of impressed dots; antennae and legs pale red. (L. 3 l.) Not uncommon. London district and Cambridge: *, o.


15 4-maculatus L. ii. 673. — Pz. F. lxxv. f. 10. — Ste. M. i. 21. — Oblong: head black; thorax red, nearly square, its hinder angles obtuse; elytra brown, with a pale spot at the base, and a 2d at the apex; antennae and legs pale; breast red. (L. 2 1/2-3 l.) Common under bark of trees, in moss, &c. : *, o.

16 4-notatus Pz. F. lxxiii. f. 5. — Ste. M. i. 21. — Elongate: head black; thorax fuscous, nearly square, its hinder angles acute; elytra brown, with an oval pale spot at the base, and a smaller one near the tip; antennae and legs pale; breast pitchy. (L. 1 1/2-2 l.) Also common under bark of trees, &c.: *, o.

17 4-signatus De J. S. i. 236. — Ent. Tr. (Bab.) i. pl. x. f. 2. — Ste. M. v. 367. — Pale: head black; thorax square, red, margins paler; elytra pale yellow, humeral angles prominent, the base, a broad band behind the middle and 2-3ds of suture fuscous; beneath pitchy. (L. 2 l.) Rare: Wimbledon Park; Colney Hatch and Cambridge.

18 † sigma De J. S. 235. pl. ii. f. 6. — Ste. M. i. 176. — Pale: head black; thorax square, reddish; elytra pale yellow, humeral angles prominent; middle of the suture, and a 3-toothed band behind the middle, brown; beneath pale. (L. 2 l.) Introduced by me in mistake for 4-signatus.

19 bipennifer Ent. Tr. (Bab.) i. 86, pl. x. f. 3. — Pale: head black; thorax nearly square, red; elytra pale yellow, humeral angles rounded; suture and a toothed band behind the middle dark brown, leaving a pale spot at the apex. (L. 1 1/2-1 3/4 l.) Whittlesea Mere; Dorking; near Carlisle, and North Wales.

20 melanocephalus De J. S. i. 234. — Ste. M. i. 22. pl. 1. f. 5. — Pale: head black; thorax square, pale red; elytra not spotted; abdomen dusky. Region of scutellum sometimes dusky. (L. 1 1/2-1 3/4 l.) Abundant in damp hedges, moss, &c.: *, o.

21 fasciatus Tk. M. 60. — De J. S. xii. f. i. — Ste. M. i. 24. — Black: thorax pitchy or reddish; elytra faintly striated, rounded at the shoulder, the base pale, the apex with two indistinct pale spots; beneath pitchy. (L. 1 1/2-1 3/4 l.) Var. Dr. notatus Ste. M. i. 24. — Darker and larger. (L. 1 3/2-2 l.) Abundant at Southend; in Devonshire and Berwick-upon-Tweed: 4-6.

22 linearis Oliv. E. iii. 111. pl. 14. f. 167. — Ste. M. i. 25.—Elongate; rusty-brown: thorax somewhat heart-shaped, paler than the head, the latter with several longitudinal striae in front; elytra deeply punctate-striated; antennae and legs pale. (L. 2-2 1/2 l.) Abundant in hedges, &c., every where: *, o.

23 longiceps De J. S. ii. 450. — Ent. Tr. (Bab.) i. 88. pl. x. f. 5. — Ste. M. v. 367. — Linear-elongate; pale rusty brown: head with 2 slanting punctured depressions between the eyes; thorax square; elytra striate; the suture and a patch united thereto behind the middle blackish; antennae and legs pale. (L. 3 l.) Occasionally found in sedge boats at Cambridge, and at Whittlesea Mere: 3-5.

24 spilotus De J. S. i. 246. — Dr. humeralis Ste. M. i. 23. — Short, black, very glossy: elytra with a squarish pale spot on the shoulder, and a pale
dot (sometimes wanting) on the disc; tarsi brownish; basal joint of antennæ sometimes pale. (L. 1 ½ l.) Near London and in Norfolk: 5.

25 impunctatus Ste. M. i. 25. — Short, brassy-black, opaque: elytra brownish, with an obscure palish spot on the shoulder, and occasionally a minute one on the disc; thighs dusky; tibiae (shanks) and tarsi pale brown. (L. 1 ½ l.) Near London, and Berkshire: 3-5. *

26 quadrillum Creutzer? — De J. S. i. 249. — Ste. M. i. 25. — Short, black, with a brassy tinge: elytra striated, the interstices punctured, with a round pale spot on the shoulder, and a smaller one on the disc towards the tip (sometimes obscure, or wholly wanting). (L. 1 ½ l.) Near London, and Southend: 3-6.

27 femoralis Marsh, i. 463. — Ste. M. i. 25. — Rather elongate; black, obscure: elytra faintly striated, the disc impunctate; trochanters, coxae, and base of thighs pale reddish-brown; tibiae and tarsi pale brown; antennæ dusky, tips reddish. (L. 1 ½ l.) Found near London: 4. *

28 glabratius Duft. F. ii. 248. — De J. S. i. 190. pl. xv. f. 3. — Ste. M. i. 25. — Oblong; brassy-black: elytra very obscurely striated, the disc impunctate; legs dull black; tibiae and tarsi brownish-black. (L. 1 ¼-1 ¾ l.) Abundant on sandy heaths in the spring: *.

29 angustatus Curtis? — Step. N. 2. ed. col. 2. — Narrow, elongate; glossy black: thorax heart-shaped, much narrowed behind; elytra smooth, shining, not much shorter than the abdomen; legs and antennæ black. (L. 1 ½—1 ¾ l.) London: 3-5. *

30 maurous Zeigler. — Ste. M. i. 176. — Very deep black: thorax short, very much narrowed behind; elytra very glossy, smooth, not punctured, much shorter than the abdomen; antennæ brownish. (L. 1 ¼-1 ¼ l.) Not uncommon; London district; Berkshire, &c.: 3-5. *


6 Lebia Latreille.

33 crux-minor L. ii. 673. — Ste. M. i. 27. pl. i. f. 6. — Black: thorax, legs, and 3 basal joints of antennæ red; elytra dull red, with the suture, and the apical half black, leaving a round red spot at the tip. (L. 3 l.)

Very rare; Windsor; Coombe Wood; near Dorking, 6; Lymington, Hants; Netley, Salop, 8; High Buckington, Devon: 5-7.

34 + turcica Fab. E. ii. 203. — Cur. ii. pl. 87. — Ste. M. i. 27. — Black: mouth, palpi, antennæ and thorax red; elytra black, with a large irregular crescent-shaped yellowish-red patch on the shoulder, and a narrow border of the same, reaching to the tip. (L. 2 ½ l.) Extremely scarce: Oakhampton Park, Somers.; Zoological Gardens, Regent's Park: 5.

35 haemorrhoidalis Fab. E. ii. 203. — Pz. F. lxvx. f. 6. — Ste. M. i. 28. — Red: eyes and elytra black, the latter with a pale red spot at the tip; breast dusky. (L. 2 l.) Also very rare: Netley, Salop, and Devonshire: 6.

7 Lamprias Bonelli.

36 cyanocephalus L. ii. 671. — Ste. M. i. 29. — Cur. vi. pl. 282. — Blue-green or blue: thorax and legs red; tips of the thigs and the tarsi black;
basal joint of antennæ red, other joints and palpi dusky.  (L. 2½-3½ l.)
Uncommon: Darenth, on broom; Ripley; Windsor; Netley, Andover, Darlington: 5-7.
37 nigratarsis Leach.—Ste. M. i. 29. — Blue-green: the basal joint of the antennæ and the legs dusky black, the base of the thighs, thorax, and breast red.  (L. 2½-3 l.) Also somewhat scarce: Dover 6, and Windsor 5.
38 chlorocephalus Ent. Hefte. ii. 117.—Don. iii. 35. pl. 86.—Ste. M. i. 30. — Blue-green: antennæ with the 2 basal and under part of 3d joints, thorax, breast, and legs red; tarsi black or brownish.  (L. 2-3 l.) Common on broom, but local: Epping Forest; Darenth Wood; Ripley, Hertford, Newcastle, Edinburgh, &c.: 4-7.
39 rufipes De J. S. i. 258.—Ste. M. i. 30. — Blue-black: elytra blue, obscurely punctured; 3 basal joints of antennæ, thorax, breast, and legs red; tarsi dull red.  (L. 2¾ l.) Rare: near Brockenhurst, New Forest: 6.

8 Brachinus Weber.
40 crepitans L. ii. 671.—Ste. M. i. 32. pl. 2. f. 6. — Dull red: elytra varying from greenshine-blue to dusky, or green, with several distinctly elevated lines, or ridges; 3d and 4th joints of antennæ and abdomen dusky brown.  (L. 2-5 l.) Abundant beneath stones: near London, Ripley, Dorking, Southend, Bristol, &c.; Edinburgh: 3-9.
41 immaculicornis De J. S. ii. 466.—Ste. M. i. 177. — Rusty-red: elytra with faint ridges, bluish-green; abdomen obscure; legs and antennæ entirely pale rusty-red.  (L. 4 l.) Ripley, Sy.: 7.
43 glabrat us Bonelli. — De J. S. i. 320.—Ste. M. i. 36. — Bright rusty-red: elytra bluish-green, without ridges, finely punctured; abdomen obscure; antennæ spotless.  (L. 2½ l.) Rare: Dover, 6; Ashburton, Devon, 5.
44 selopeta Fab. E. i. 220.—Ste. M. i. 36. pl. 2. f. 5.—Cur. pl. xi. 554.—Bright rusty-red: elytra without ridges, blue-green, with the basal half of the suture dull red, antennæ spotless.  (L. 3 l.) Also rare: Devo shire; Southend; Essex; Faversham, Hastings: 5-7.

9 Tarus Clairville.
45 humeralis Clairv. ii. 96.—Ste. M. i. 33. pl. 2. f. 4. — Black, glabrous; very finely punctured, with the mouth, antennæ, and legs pale red, elytra with a spot on the shoulder, and the anterior margin yellowish-red.  (L. 4-5½ l.) Rare: Swansea; Cuckfield, Sussex; Windsor, &c.: 5-6.
46 axillaris Fab. E. S. i. 132.—Ste. M. v. 368. — Dusky-black, slightly pubescent, very thickly punctured: thorax red; elytra with the lateral margin, and a streak on the shoulder, the mouth and antennæ rusty-red; legs pale rust-colour.  (L. 4½-5 l.) Rare: taken within the London district: 5.
47 coadunatus De J. S. i. 210.—Ste. M. v. 369. — Deep black, slightly pubescent: thorax broad, red; elytra deeply punctured at the base; the lateral margin and a patch connected therewith on the shoulder, the mouth and antennæ rusty-red; legs pale rust-colour.  (L. 4 l.) Rare: found near London: 8.
48 lavigatus Ste. M. i. 32. pl. 2. f. 2. — Pitchy-black, glabrous; very obscurely and delicately punctured; antennæ, mouth, and thorax dull rust-colour; elytra obscure, with the lateral margins and a broad patch at the
shoulder yellowish-red; legs pale red. (L. 4-4½ l.) Near London, and in Oxfordshire: 7-9.

49 homagraicus Duft. i. 240.—Ste. M. v. 369.—Black; punctured: thorax elongate, bright red; elytra faintly striated, the outer margin and a streak at the shoulder pale rust-colour; legs the same; mouth and antennae pale red. (L. 4-4½ l.) Near London, and in Norfolk: 5.

50 angularis Gyll. ii. 173.—De J. S. 144. pl. xii. f. 1.—Ste. M. i. 31.—Pitchy-black; slightly punctured: thorax rather broad, rust-colour; legs the same; elytra, with distinct punctate striæ; the outer margin and a patch connected therewith on the shoulder pale testaceous (sometimes a faint spot of similar hue on the disc); mouth and antennae pale red. (L. 3¾-4½ l.)—Local, but very abundant near Dorking and Leatherhead, and in the Isle of Portland: 5-9.

51 macularis Pisch. E. R. (Mann.) iii. 25. pl. 3. f. 4. B.—Ste. M. i. 32. pl. 2. f. 3.—Black; glabrous; thickly punctured: mouth, antennæ, and thorax bright rust-colour: elytra obsoletely striated, broad, the outer margin, a large patch on the shoulder connected therewith, and a streak on the disc, towards the tip, pale rusty-yellow; legs pale rust-colour. (L. 5 l.) Found near London.

52 basalis Gyll. I. S. ii. 174.—Curtis, v. pl. 235.—Ste. M. i. 177.—Black, slightly pubescent, deeply punctured: thorax sometimes pitchy; elytra distinctly punctate-striate, the basal portion more or less rusty-red; body beneath pitchy; antennæ, mouth, palpi, and legs testaceous-red. (L. 4-4½ l.)—Local, but common in several parts of Yorkshire, and near Edin-burgh: 3-6.

10 Polistichus Bonelli.

53 vittatus Brullé i. 178.—Po. fasciolatus Ste. M. i. pl. 1. f. 3.—Brown; deeply punctured: antennæ, breast, abdomen, and legs rusty-red; elytra striated, with a broad abbreviated stripe at the base. (L. 4½-5 l.) Also local: Clay, Norf.; Southend, 5; Marsden, Northum. 3; once in plenty near Southwold, Suff., 4.

Fam. 3. SCARITIDÆ MacLeay.

(xi. Scarites Mand. large, porrected, armed internally with strong teeth; ant. elbowed: thorax lunate: body oblong, somewhat depressed: anter. tibiae palmated.)

(xii. Oxygnathus Mand. very long, porrected, curved, not toothed within: ant. elbowed: thorax quadrate: body oblong, somewhat cylindric and depressed: ant. tibiae palmated.)

(xiii. Clivina Mand. short, toothed within: ant. not elbowed: thorax quadrate: body slightly depressed: ant. tibiae palmated.)


11 Scarites Fabricius.

(54† Beckwithii Ste. M. i. 37. pl. 3. f. 1.—Black: antennæ reddish-brown; legs pitchy black; anterior tibiae 3-dentate without, 4-denticulate within, intermediate tibiae with 2 perpendicular spines; elytra striated, striæ not punctate. (L. 8½ l.) Near Dover and Scarborough;—probably introduced with ballast.)

(55† subterraneus Fab. E. i. 124.—Marti. C. pl. 38. f. 46.—Ste. M. i. 37. note. —Black, shining: anterior tibiae 3-dentate without, 4-denticulate within; intern. tibiae with 2 perpendicular spines; elytra striated, striæ obso-
letely punctate, disc with 3 impressions. (L. 7½ l.) Figured by Martyn in mistake for Sc. Beckwithii.)

(56 †lævigatus Fab. E. i. 124. — Ste. M. i. 37. note. Sc. sabulosus Oliv. iii. pl. 1. f. 8. — Black; antennæ brown; anterior tibie 3-dentate without, 2-denticulate within; intern. tibiae with 1 perpend. spine; elytra smooth, very obsolesely striated, the striae scarcely punctured, disc with 2 impressions. (L. 7 l.) Introduced into Wilkin's catalogue for Sc. Beckwithii.)

12 Oxygnathus? De Jean.

(57 †anglicanus† Ste. M. i. 38. note. pl. 3. f. 2.— Shining black: antennæ and palpi pitchy-black, tarsi dull rust-colour; elytra deeply striated. The striae strongly punctured. (L. 5½ l.) Found at Peekham; mutilated; — introduced with merchandise?)

13 Clivina Latreille.

58 Fossor L. ii. 675. — Ste. M. i. 7. Sc. arenarius Pz. xliii. f. 11. — Pitchy-black, or brown, slightly punctured: elytra concolorous, deeply punctate-striate; mouth and palpi pale testaceous; antennæ and legs pale rusty-red. Colour variable according to maturity, being pale testaceous, brown or chestnut, with legs and antennæ paler. (L. 3½-5 l.) Abundant beneath stones, &c. in England and Scotland: *, &c.

59 collaris Herbst. A. 141. — Ste. M. i. 40. pl. iii. f. 3. — Chestnut-black; elytra paler, the suture sometimes dusky, rather deeply punctate-striate: mouth, antennæ, and legs red. Also variable in colour, but the head and thorax darker than the elytra. (L. 2½-3 l.) Common in Battersea fields, &c. in the spring; also near Edinburgh.

14 Dyschirius Panzer.

60 inermis Cur. viii. pl. 354. — Ste. M. v. 369. — Robust, bluish-black: mouth and antennæ ferruginous, the latter blackish towards the tip; legs concolorous with darker thighs; anterior tibiae terminated by 2 strong spines, the outer one largest and incurved; the exterior margin simple. (L. 2½ l.) Coast of Norfolk.

61 nitidus De Jean, S. i. 421.—Te. 23. f. 4. Ste. M. i. 40.—Above shining brass: head in front, mouth and antennæ brown; elytra deeply striated, striae punctured, and extending to the apex; legs dull ferruginous, thighs tinged with bronze, anterior tibiae with two equal spines, and a smaller one near the notch. (L. 2 l.) Near Hull; in Norfolk; and on the banks of Thames: 4, *.

62 ovatus Hali. Z. J. — Ste. M. i. 178. — Brassy: antennæ and legs pitchy-black; mandibles pitchy red; forehead rough; thorax lightly channelled; elytra punctate-striate, the punctures vanishing before the apex; beneath blackish. (L. 2½ l.) Near Holywood, in Ireland; and Lancashire coast.

63 thoracicus Il. K. i. 125.—Pz. F. lxxxiii. f. 2.—Ste. M. i. 41.—Brassy, shining: antennæ and legs pitchy-red; thorax short, very globose, with a faint channel; elytra ovate, slightly punctate-striated; anterior tibiae with 2 elongate equal teeth, and 2 spines at the apex. (L. 1½-2 l.) On the coasts of Norfolk, Suffolk, Essex, &c.: 4-6.

64 politus De J. S. i. 422. — Te. 20. f. 5. — Ste. M. i. 41. — Shining brassy black, somewhat cylindric: thorax elongate, slightly globose, with an obsolete channel; elytra oblong-ovate, moderately convex, very faintly punctate-striate; legs pitchy; anterior tibiae obsolesely 2-denticulate without, and with 2 spines at the apex. (L. 2 l.) On the Norfolk and Suffolk coasts: 4-5.
65 cylindricus De J. S. i. 423.—Ste. M. i. 46.—Shining brassy, narrow, cylindric: thorax elongate, slightly globose and with a faint channel; elytra oblong, nearly parallel, deeply punctate-striata; anterior tibiae strongly 2-denticulate without, and with 2 long spines at the tip. (L. 2 1/2 l.) Swansea, on the coast; and in Norfolk: 4.

66 arenosus Leach. —Ste. M. i. 42. —Above rusty-brass, shining; legs, antennae, and palpi pale: thorax long, slightly globose, and with a faint channel; elytra ovate, deeply punctate-striata; anterior tibiae absolutely 2-denticulate without, the apex with 2 short spines. (L. 2 l.) Devonshire coast and Dover: 6.

67 rufipes De J. S. i. 428. —Ste. M. v. 369. —Brownish-brass: thorax slightly globose; elytra ovate, and deeply punctate-striata, the striæ not reaching to the apex; antennæ and legs dull red; anterior tibiae absolutely 2-denticulate without, and with 2 spines at the tip. (L. 1 1/2-1 1/2 l.) Near London and Carlisle.

68 digitatus? De J. S. i. 427. —Ste. M. i. 42. —Above brassy, dull: thorax globose with a deep channel; elytra ovate, rather deeply punctate-striata; anterior tibiae strongly 2-denticulate without, the tip with 2 spines, the inner one long and curved. (L. 2 l.) Found on the coasts of Suffolk.

69 punctatus De J. S. i. 414. —Ste. M. v. 370. —Broad; brassy: thorax very globose with a strong channel; elytra shortish, ovate; deeply punctate-sstriated, the striæ not reaching to the apex; antennæ red; legs pitchy-red; anterior tibiae absolutely 2-denticulate without, the apex with 2 spines. (L. 2 l.) —Coasts of Sussex and Hants; and Isle of Wight.

70 æneus Ziegler. —De J. S. i. 423. —Ic. 24. f. 1. —Ste. M. i. 42. —Dull blackish-bronze: thorax slightly elongate, with a faint dorsal channel; elytra oblong-ovate, faintly punctate-striata; legs reddish-bronze; anterior tibia slightly 2-denticulate without, the tip with 2 short spines. (L. 1 1/2-1 1/2 l.) Near London, at Walham Green; also near Edinburgh, &c.: 5-6.

71 fulvipes De J. S. i. 425. —Ste. M. v. 370. —Rather elongate; above brassy-black: thorax globose; elytra ovate, deeply punctate-striata; legs and antennae rusty-red. (L. 2 1/2 l.) Found on the coasts of Essex and Suffolk.

72 tristis Ste. M. i. 43. —Pitchy-black: thorax slightly elongate, with an obsolete dorsal line; elytra obscure, with the apex pitchy, faintly punctate-striata, the striæ vanishing at the tip; legs brownish-black: anterior tibiae absolutely 2-denticulate without, the apex with 2 short spines. (L. 1 1/2 l.) Near Hertford and Wimbledon Common. 3-5.

73 pusillus De J. S. i. 425.—Ic. 24. f. 3.—Ste. M. v. 370. —Oblong, somewhat cylindric: thorax slightly globose, with a faint dorsal channel; elytra narrow, elongate-ovate, very deeply punctate-striata, the striæ reaching to the apex; antennæ and legs pitchy-red. (L. 1 1/2 l.) Found on the Norfolk and Yorkshire coasts.

74 gibbus Fab. E. i. 126. —Pz. F. v. f. 1. —Ste. M. i. 43. —Above bronzed-black: thorax very short and globose, with an obsolete dorsal line; elytra broad, somewhat oval, convex, deeply punctate-striata towards the suture, the striæ faint towards the apex and the lateral margins; legs black; anterior tibiae rather absolutely 2-denticulate, the apex with 2 spines. (L. 1-1 1/2 l.) Common near London and near Edinburgh: *; 2.

75 minimus Curtis, folio 351. —Ste. M. v. 370. —Above bluish-black: mouth and antennæ rust-colour, the tip of the latter dark; legs chestnut; thorax with a faint dorsal channel; elytra punctate-striata, the striæ not reaching to the apex; anterior tibiae with 2 incurred spines at the tip. (L. 1 l.) Near London and in Norfolk: 4.
15 Aristus Zeigler?

(76 † fulvipes Latr.—De J. S. i. 444. — Ste. M. i. 44. pl. 3. f. 4. — Pitchy-black, punctured: thorax pitchy-red, with an obscure pitchy line: elytra striated, interstices deeply punctured: legs and antennae wholly pitchy-red. (L. 5 l.) Reputed to have been taken in Devonshire.)

Fam. 4. Carabidae MacLeay.

xvi. Cychrus Elytra broad, reflexed over the sides of the abdomen, united at the suture: head long, narrow: labrum 2-lobed: mand. prominent, 3-dentate at the tip: palpi with the terminal joint spoon-shaped: labium 3-partite: mentum not toothed: wings 0.

(xvii. Procrustes Elytra united, not reflexed over the sides of the abdomen: labrum 3-lobed: mand. 2-dentate: palpi with terminal joint obliquely truncate: mentum with a bifid tooth: thorax subquadrate: wings 0.)

 xviii. Carabus Elytra not reflexed over the sides of the abdomen, united or free: labrum 2-lobed: mand. with a small tooth in the middle: palpi with terminal joint obliquely truncate, or securiform: mentum with a single tooth: thorax somewhat heart-shaped: wings 0, or rudimental: ant. with 3d joint cylindric.


xxiii. Leistus Elytra free: body slightly depressed: labrum transverse, notched: mand. dilated at the base externally: maxillae armed with long spines at the outer edge of the base: palpi elongated, the terminal joint longest, slightly thicker, and obliquely truncate: thorax transverse, heart-shaped: wings 2, ample.

16 Cychrus Fabricius.

77 rostratus L. ii. 677. — Ste. M. i. 45. — Cur. ix. pl. 426. — Dull black: head punctured; elytra thickly and roughly granulated, their outer margin with an acute ridge. (L. 8-10 l.) Common under dead leaves, &c. London district; S. England; S. Wales; Scotland and Ireland: 3-5, *.

(78 † elongatus De J. S. ii. 7. — Ste. M. i. 46. note.—Black: head very long, smooth; thorax with a slight depression behind, its hinder angles not acute; elytra punctured and granulated, with 3 obscure raised lines. (L. 8-9½ l.) Said erroneously to be British in Literary Gazette for 11 March, 1827.)

(79 † attenuatus Fab. E. i. 166. — Ste. M. i. 46. note. — Ca. proboscideus Oliv. iii. pl. 11. f. 128. — Black: head extremely narrow; thorax much
rounded behind; elytra coppery, shining, with a triple row of raised dots. (L. 8 l.) Also erroneously introduced as British.)

17 Procrustes Bonelli.

(80 † coriaceus L. ii. 668. — Stu. D. F. iii. pl. lix. — Ste. M. i. 46. note. — Deep black, rough; thorax opaque, obscurely wrinkled transversely, with a faint dorsal line; elytra ruggedly punctured, not striated; antennae brownish at tip. (L. 1 1/2 inch.) Said by Turton to be British; also to occur on South Sea Common, Portsmouth.)

18 Carabus of Authors.

§ A. Elytra not sulcated.

81 intricatus L. F. No. 780. — Ste. M. i. 47. pl. 3. f. 5. — Elongate, narrow in front; black, tinted with blue; thorax attenuated behind, with the hinder angles very acute; elytra violaceous, the sutures and 3 rows of oblong lines elevated, the surface otherwise rugged, with irregular elevated shining intricate striae; legs and antennae black. (L. 3 1 inch: Q 14-15 l.) Rare: near Tavistock and Ashburton, Devon: 4-6.

82 catenulatus Fab. E. i. 170. — Pz. F. iv. f. 6. — Ste. M. i. 48. — Oblong; blue-black, with a violet tint; head striate; thorax roughly punctured; elytra black, with the margin deep blue or purplish, each with about 15 faintly elevated interrupted lines, the 3d, 7th, and 11th from the suture highest and remotely interrupted; legs black. Varies in being of an intense glossy black; or black, with brownish elytra, the latter rather faintly striated. (L. 10-13 l.) Abundant on heaths, &c., in England, Scotland, and Ireland.

83 purpurascens Fab. E. i. 170. — Oliv. S. iii. pl. 4. f. 40. — Ste. M. i. 48. note & v. 371. — Deep black; thorax with margin acutely raised; purplish; elytra with the margin purplish-violet, ruggedly punctate, the punctures somewhat disposed in striae, 3 of which are more distinct; legs and antennae glossy black. (L. 13 l.) Rare: taken near Weymouth and in the Isle of Portland: 5–6.

(84 † Agrestis Creutzer E. V. 110. pl. 2. f. 15? — Ste. M. i. 49. — Black, with a metallic tinge; head obscurely punctured; thorax slightly narrowed behind; elytra with faintly elevated dots, disposed in lines, and a triple row of oblong elevated points. (L. 9 l.) Inserted with doubt in my Illustrations for the next species.)

(85 † Lippii Dahl.—De J. S. i. 51. — Ic. 37. f. 4. — Cur. f. 446. — Ovate, black; elytra with roughened confluent elevated dots irregularly disposed in striae, with a triple row of obsolete oblong points. (L. 9 l.) Supposed to have been taken in Lincolnshire.)

86 monilis Fab. E. i. 171. — Pz. F. viii. f. 1. — Ste. M. i. 49. — Black; head and thorax bronzed, coppery or greenish; elytra the same, or blue, with 3 rows of elevated lines, between each of which are 3 equally raised striae. Sometimes the striae on the elytra are irregularly confluent. (L. 10-13 l.) Not uncommon in gardens, &c., near London; also found in other parts, and occasionally near Edinburgh: 3-5.

87 consitus Pz. F. viii. f. 3. — Ste. M. v. 371. — Black; above bronzed or greenish; elytra with three rows of elevated, interrupted lines, with 3 rows of raised striae between, the intermediate one being most elevated, (L. 12-14 l.) Occasionally taken near London; abundant at Dover: 5-6.

88 granulatus L. ii. 668. — Don. vii. pl. 222. f. 3. — Ca. cancellatus. — Ste. M. i. 50. — Depressed; black; above brassy-black or deep black, rarely greenish; elytra with 3 rows of interrupted elevated striae, having
a raised line between each; legs and antennæ black.” (L. 9-11 l.)

Extremely abundant near London; during the winter in the debris of old trees; also in the Isle of Man; near Edinburgh, &c.: 1-7.

89 evelnallatus Ill. i. 154. — Ca. granulatus Ste. M. i. 51. pl. 4. f. 1. —

Slightly convex; black; above greenish brass; elytra with 3 rows of elevated, oblong, remote tubercles, and 3 rows of granulated lines, the interstices somewhat rugged; antennæ with the basal joint and the femora (thighs) red. (L. 10 l.) Very rare; taken in a chalk-pit at Northfleet: 4.

90 arvensis *Fab. S. i. 174. — Ent. Tr. i. p. 7. f. med. — Ste. M. i. 51. —

Ovate; black: above greenish-copper or brassy, sometimes black or purplish; elytra rather obsolescent punctate-striate, and with 3 rows of elevated lines, interrupted with a coppery impression. (L. 8-10 l.) Found in Epping Forest; also near Wimbledon, Windsor, in Norfolk, occasionally in Scotland, and in N. Wales and Ireland: 3-5.

91 violaceus *L. ii. 669. — Don. vii. pl. 292. f. 1. — Ste. M. i. 52. —

Elongate, convex, black, with a violet tinge above: the margins of the thorax and of the elytra bright purple-violet; elytra opaque, finely granulated. (L. 10-13 l.) Abundant near London and south of England; rare in the north and in Scotland. 3-7.

92 exasperatus *Duft. ii. 22. — Cur. x. pl. 446. — Ste. M. v. 371. —

Oblong, black: the margin of the thorax and of the elytra violet; elytra opaque, granulated, a little roughened, and with 3 rather obsolete interrupted elevated lines. (L. 12-13 l.) — Rare: found in Isle of Portland; in Devonshire, near Ashburton; and near London: 4-5.

93 glabratentis *Fab. E. i. 170. — Ent. Tr. i. pl. 2. fig. inf. — Ste. M. i. 52. —

Oblong; bluish-black, immaculate; elytra convex, very finely granulated, the margin concolorous; thorax broad. (L. 10-12 l.) Abundant in mountainous districts of N. of England, Scotland, and Ireland: rare in the plains: 5-8.

94 convexus *Fab. E. i. 172. — Ste. M. i. 53. pl. 4. f. 2. — Ovate; black: the margins of the thorax and elytra violet or bluish; elytra very finely crenate or striated; and with 3 rows of obscure concolorous impressed dots. (L. 8-9 l.) Rare; Longmire Forest, Shropshire, and in Cornwall: 5—6.

95+ hortensis *L. ii. 668. — Ste. M. i. 53. note. — Ca. gemmatus Pz. F. ixxiv. f. 2. — Elongate; black: elytra with the margin purple, the disc striated, the interstices crenated, and on each elytron 3 rows of large deeply impressed heart-shaped, golden-coppery pits. (L. 1 in.) Found, but very rarely, in the north of England.

96 memoralis Ill. K. i. 152. — Ca. hortensis Ste. M. i. 53. — Ca. gemmatus Don. xiv. pl. 222. f. 2. — Ovate; black: above brownish brass; sometimes purplish: thorax rather square; elytra obsolescently rugged or irregularly punctured, with 3 rows of impressed dots, sometimes brassy. (L. 9-12 l.) Very abundant in S. of England, in gardens; also near Edinburgh: 3-8, *.

B. Elytra sulcate; suture elevated.

97 clathratus *L. ii. 669. — Don. xv. pl. 526. fig. sup. — Ste. M. i. 54. —

Oblong, rather depressed, black; above brassy-green; thorax transverse; elytra with 3 equidistant elevated ribs, the 3 interstices with a row of deeply impressed, round, golden-coppery pits, and the margin with some smaller impressions (L. 11-1 5 l.) Halvergate Marsh, Norf.; Caithness, &c., Scotland; and near Dublin: 4-6.

98 + auronitens *Fab. E. i. 175. — Pz. F. iv. f. 7. — Ste. M. i. 54. — Oblong-ovate; above bright grassy-green tinted with gold; elytra with 3 raised
violet-black ribs, the interstices rough; base of antennæ, the thighs, and shanks red; tarsi black; mandibles and palpi pitchy red; body beneath blue-black. (L. 10 l.) Reputed, but erroneously, to be British.

99 auratus L. ii. 669. — Ste. M. i. 55. pl. 3. f. 6.—Oblong, golden-green, beneath blue-black; elytra with 3 concealous smooth ribs, the interstices finely punctuated; legs, 4 basal joints of the antennæ, mandibles, and palpi red, the 2 last tipped with black. (L. 1 in.) Found at Exmouth, Devon; near Dover and Southampton; rare: 6.

100 nitens L. ii. 669. — Sow. B. M. i. pl. 27. — Ste. M. i. 56. Ovate; bright green, beneath black; thorax coppery or gold-green; elytra margined with gold or copper, with 3 elevated black ribs, the interstices transversely rugged. Rather variable in tint, and the ribs on the elytra sometimes interrupted. (L. 8-11 l.) Abundant in the New Forest, on Parley, &c. heaths, also in Durham, Yorksh.; in Scotland; Belfast, &c.: 4-7.

19 Calosoma Weber.


(102½) Scrutator Fab. E. i. 213. — Leach. Z. M. ii. 94. pl. 93. — Ste. M. i. 57. note. — Violet-black: thorax edged with green-gold; elytra golden-green, margined with copper, punctate-striate, with 3 rows of larger impressions; body beneath varied with green and copper. (L. 14 l.) Introduced into old cabinets for C. Sycophanta; it inhabits N. America.

103 Inquisitor L. ii. 669. — Don. xiv. 89. pl. 504. f. i. — Ste. M. i. 501. — Coppery or blackish-brass; elytra edged with green, with about 16 reticulated striae and 3 rows of impressed dots, placed as in C. Sycophanta; body beneath greenish; antennæ and legs black. (L. 8-10 l.) Occasionally abundant on oaks in Windsor and Hainault Forests; also at Dulwich; Norwood; Burghfield, Berks.; in Norfolk, and at Powerscourt, Ire- land: 4-6.

20 Nebria Latreille.

104 complanata Lin. ii. 671. — Don. xiv. 53. pl. 488. — Ste. M. i. 59. — Pale yellowish: elytra paler, striated, with 2 very irregular transverse dusky or black bands, united by longitudinal lines; suture, except at the apex, black; eyes black; legs and antennæ pale. Elytra sometimes nearly black, with a pale margin, at others almost immaeulata. (L. 8½-10½ l.)

In profusion on the coast near Swansea, and Barnstaple in Devon: 5-6.

(105½) collaris Thumb. A. N. iv. 50. pl. A. f. 12. — Ste. M. i. 59. note. — Black: mouth, antennæ, legs, middle of the thorax, and a broad margin to the elytra pale testaceous. (L. 7½ l.) Erroriously stated to be British.

106 livida L. ii. 670. — Cur. i. pl. 6. — Ste. M. i. 60. — Black: mouth, base of the antennæ, legs, middle of the thorax, and a narrow margin to the elytra pale yellowish. (L. 7-8 l.) Local, but abundant on the Yorkshire coast, especially near Scarborough: 5-6.

107 picicernis Fab. E. i. 180. — Ste. M. i. 60. pl. iv. f. 3. — Black: mouth, antennæ, and legs rusty-pitchy; elytra striated; head pitchy-red. (L. 6½-7½ l.) Taken in Longmont Forest, Salop: 3-4.

21 Helobia Leach.

108 † lata E. M. New. i. 284. — Ste. M. v. 372. — Black, slightly iridescent; mandibles, palpi, antennæ, tibiae, and tarsi pitchy-black; thorax wide,
with lateral margins pitchy; elytra very wide, punctate-striated. (L. 6½ l.)
Abounds near Cork : 3-5.

Glossy-black : antennae, palpi, tibiae, and tarsi pitchy-red; elytra deeply
punctate-striate; and 3 or 4 punctures on the 3d from the suture; sides
of thorax rough. Legs sometimes wholly red. (L. 4½-6 l.) Extremely
abundant in banks throughout England; rare in Scotland : O, *.

110 Æthiops Ste. M. i. 179.—Broad, depressed, black : tarsi pitchy-red;
elytra moderately striated, the striae faintly, but distinctly punctured,
with 4 impressed dots on the sutural edge of the 3d. (L. 5 l.) Taken near
Hebden Bridge, Yorks. : 7.

dibles, palpi, and 1st joint of antennæ pitchy-red, 3 following black, rest
brown; thorax entirely black; elytra brown-black, punctate-striated;
legs pitchy, tibiae and tarsi lighter, 2 last segments of abdomen red.
(L. 5½ l.) In plenty, near Nottingham.

112 Marshallana Ste. M. i. 61. pl. iv. f. 4. — Pitchy-black, depressed :
base of antennæ and tarsi pitchy-red; elytra broad, striated, the striae
obscurely punctured, the 3rd from the suture with 3 or 4 larger impres-
sions, and the outer one, with distinct smaller ones. Sometimes pitchy-
red, with the femora dusky, and the tibiae and tarsi red. (L. 4½-5½ l.)
Mountains of Cumberland, &c. : 4—6.

113 nivalis Ph. i. 119.—He. Gyllenhalii. Cur. iii. pl. 103.—Ste. M. i. 62.—
Black : slightly depressed; tips of the palpi and of the antennæ pitchy;
tarsi and sometimes the tibiae red; elytra striated, the striae obsoletely
punctured, 2 or 3 impressions near the 3d stria and some remote im-
pressed dots on the margin. Sometimes pitchy; with the trochanters
and legs rusty-red, tip of thighs and the tibiae fuscous. (L. 4½-5½ l.)
Abundant throughout the southern part of Scotland; and especially in the
mountainous districts: 3-5.

very narrow, especially behind; elytra much depressed, striated, the 3d
and 5th from suture with impressed dots; mandibles, palpi, antennæ, and
legs sometimes reddish, or pitchy. (L. 4½ l.) Taken in Scotland: 5-7.

22 Alpheus Bonelli.

(115½ castaneus Bon. Obs. i. 55. — Ste. M. i. 63. — Pitchy-chestnut :
mouth, antennæ, and legs rusty-red; elytra striated, the striae with distinct
somewhat remote impressed dots. (L. 4½ l.) Said to have been taken
near Ashburton, Devon : 5.)

23 Leistus Frölich.

116 nigricans E. M. New. i. 286. — Ste. M. v. 373. — Dull black,
slightly iridescent : mouth and antennæ pitchy-red; thorax black, elon-
gate; elytra rather narrow; femora and tibiae black; tarsi pitchy. (L. 4½
l.) Near Manchester: 5.

117 spinibarbis Fab. E. i. 181. — Pz. F. xxx. f. 6. — Ste. M. i. 63. —
Rather wide : above brilliant blue, sometimes with a greenish tinge;
mouth, antennæ, and legs dull red, or brown; rarely ochreous; thorax
glossy, slightly convex, base and anterior edge punctured, the sides finely
punctured, and sometimes reddish, or pale; elytra punctate-striate; body
black beneath. (L. 3½—4½ l.) Abundant in hedges near London: —
3-8, *.

118 fulvibarbis Hoffm. — Cur. iv. pl. 176. — Ste. M. i. 64. — Rather nar-
row and long : above deep blue-black, or violet; beneath pitchy; thorax
very narrow at the base; elytra punctate-striate; mouth, antennæ, and
legs rusty-red. (L. 3-3½ l.) Rather local, Battersea fields, Kensington gardens, Southend, &c.: 2-5.

119 † indentatus E. M. New. i. 286. — Ste. M. v. 373. — Above deep purple-black: elytra punctate-striated, with a deep transverse indentation common to both, near their base; mandibles, palpi, antenna, and legs rust-colour. (L. 3½ l.) Cromer in Norfolk: 6.

120 montanus Dale. — Ste. M. i. 64. pl. iv. f. 5. — Narrow and elongate; above deep blue; beneath pitchy-blue: thorax narrow, its sides bright rusty-red; elytra punctate-striate; mouth, antennae, and legs rusty-red; tips of femora dusky; head and thorax sometimes greenish above. (L. 3½ l.) Found on the mountains of Cumberland and Westmoreland: also in Scotland and in Wales: 3-6.


122 spinilabris Fab. E. i. 204. — Pz. F. xxxix. f. 11. — Ste. M. i. 65. — Oblong; rusty-red: palest beneath: elytra somewhat oval, punctate-striated, the lateral striae faintest, with 3 or 4 impressions on the 3d stria; legs, antennae, and mouth pale rust-colour, or ochreous-red. (L. 2½-3½ l.) Extremely common in hedges, &c. throughout England: ⊙, ⊠.

123 rufescens Fab. E. i. 205. — Ste. M. i. 65. — Ca. terminatus Pz. vii. f. 2. — Oblong, rusty-red: head dusky-brown, or black; tips of the elytra and of the abdomen the same; mouth, antennae, and legs very pale red, or ochreous; tip of elytra rarely immaculate; or occasionally adorned with a pale rusty crescent. (L. 3-3½ l.) Local: Coome and Darenth woods; also near Carlisle, and at Netley and Berkeley Castle: 5-7.

Fam. 5. Harpalidae MacLeay.

§ 1. Claws never denticulated: ant. tarsi alone of ἶ dilated; dilated joints 3-angular or cordate.

xiv. Loricera Ant. curved, 3d and 3 following joints furnished with long bristles: palpi with terminal joint elongate-oval, truncate; mentum with a single tooth: tho. somewhat orbiculate-cordate, sessile: ant. tarsi in ἶ with 3 dilated joints.

xxv. Panagæus Ant. filiform, simple: palpi with terminal joint securiform; mentum with a bifid tooth: tho. orbicular, convex; ἴ ant. tarsi of ἶ with 2 dilated joints.

xxvi. Trimorphus Ant. simple; labrum entire; palpi lab. with terminal joint large, oval; max. with terminal joint longer than the 3d: mentum with a simple notch: mand. obtuse: tho. heart-shaped, truncate: ant. tarsi of ἶ with 3 dilated joints.


(xxx. Diplocheilus *Ant.* simple, short: *labrum* deeply notched: *mand.* acute: *palpi* with the terminal joint elongate, subovate, truncate: *mentum* with a simple notch: *tho.* somewhat heart-shaped: *elytra* elongate, convex: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.)

xxxii. Chileneus *Ant.* simple: *labrum* slightly notched: *mand.* acute: *palpi* with the terminal joint ovate, truncate: *mentum* with a bifid tooth: *tho.* truncate heart-shaped, or broadest behind: *elytra* faintly sinuated at the apex: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.


§ 2. Claws sometimes toothed; *ant. tarsi* of $\mathcal{G}$ only dilated; dilated joints mostly 3-angular, or heart-shaped.

xxxiii. Anchemenus *Mentum* with a simple tooth: *head* as wide as the *thorax*, which is heart-shaped, with the hinder angles acute: *body* slightly convex: *elytra* oblong: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.

xxxiv. Platynus *Mentum* with a bifid tooth: *head* narrower than the *thorax*, which is heart-shaped, with the hinder angles acute: *body* depressed: *elytra* sinuated at the tip: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.

xxxv. Sphorius *Mentum* with a bifid tooth: *ant.* with the 3d joint as long as the two following united: *tho.* depressed, obcordate-truncate: *elytra* entire: *wings* 2: *ant. tarsi* of $\mathcal{G}$ with 4 dilated joints.

xxxvi. Pristonychus *Claws* toothed: *mentum* with a bifid tooth: *labial palpi* with the terminal joint cylindric, truncate: *ant.* with 3d joint above twice as long as the 2d: *tho.* elongate, heart-shaped: *elytra* elongate-ovate, entire: *wings* 0: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.

xxxvii. Agonum *Mentum* with a simple tooth: *tho.* somewhat orbicular or subovate, the hinder angles rounded: *body* depressed: *elytra* faintly notched at the tip: *ant. tarsi* of $\mathcal{G}$ elongated, and with 3 dilated joints.

xxxviii. Olistophorus *Mentum* not toothed: *tho.* orbicular: *body* depressed: *elytra* faintly sinuated at the tip: *tarsi* with basal joints elongated, of the $\mathcal{G}$ anter. with 3 dilated ones.

xxxix. Odontonyx *Claws* toothed: *mentum* with an acute tooth: *palpi* with terminal joint fusiform, acuminated at the tip: *tho.* nearly orbicular, rounded behind: *body* slightly convex: *elytra* obliquely truncate: *wings* 0: *ant. tarsi* of males with 3 dilated joints.


xli. Calathus *Claws* toothed: *mentum* with a bifid tooth: *palpi* with the terminal joint cylindric, truncate: *head* triangular: *tho.* somewhat quadrate, depressed, mostly as wide at the base as the *elytra*, the latter elliptic, entire: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.

xlii. Platysurus *Mentum* with a bifid tooth: *palpi* with terminal joint ovate-cylindric, truncate at tip: *tho.* wide, depressed, somewhat quadrate: *body* flat: *elytra* entire: *wings* 0: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.

xliii. Argutor *Mentum* with a bifid tooth: *palpi* with terminal joint fusiform: *tho.* somewhat heart-shaped, truncate: *body* flat, narrow: *ant. tarsi* of $\mathcal{G}$ with 3 dilated joints.


xlv. Peculus *Mentum* with a broad obtuse tooth: *palpi* cylindric: *tho.*
nearly quadrate, widest behind: elytra slightly convex and waved at the
tip: ant. tarsi of ζ with 3 dilated joints: — colours variable, metallic.¹
xlvi. MiscoderA Mentum with a bifid tooth: palpi robust, the terminal joint
obtusely truncated: head large: tho. wide, with a raised line on each side,
at the hinder angle: body depressed: ant. tarsi of ζ with 3 dilated joints.
xlvii. Omealus Mentum with a bifid tooth: palpi cylindric, truncate: head
subovate: tho. somewhat quadrate, hinder angles acute, or rounded:
elytra rather depressed, entire: ant. tarsi of ζ with 3 dilated joints.
xlviii. Steropus Mentum with a broad bifid tooth: palpi with terminal joint
ovate: ant. compressed: head porrect: tho. suborbicular: elytra ovate,
somewhat convex, entire: wings 0: ant. tarsi of ζ with 3 dilated joints.
xlix. MiscoderA Mentum with a small obtuse simple tooth: palpi with termi-
nal joint elliptic, truncate: head small: tho. globose, very slightly narrowed
behind: elytra remote, ovate, convex: ant. tarsi of ζ with 3 dilated joints.
1. Brosclus Mentum with an obtuse simple tooth: palpi with terminal
joint, cylindric, truncate: head large, suborbicular: tho. very much
narrowed behind, somewhat heart-shaped: body elongate, convex: ant.
tarsi of ζ with 3 dilated joints.
ii. Storis Mentum with a simple tooth: palpi with terminal joint ovate-
traceate: mand. very long, porrected, acute: tho. heart-shaped: body
elongate, narrow, somewhat convex: ant. tarsi of ζ with 3 dilated joints.
iii. Patrobus Mentum with a bifid tooth: palpi with terminal joint fusio-
form, truncate: labrum straight: tho. heart-shaped; hinder angles with
a raised line: body slightly convex: ant. tarsi of ζ with 2 dilated joints.
(liii. Cophosus Mentum with a bifid tooth: palpi stout, terminal joint elon-
gate-ovate: ant. short: body long, cylindric, parallel: wings 0: ant. tarsi
of ζ with 3 dilated joints.)
iv. Pterostichus Mentum with a short bifid tooth: palpi robust, terminal
joint elongate-ovate: ant. compressed: tho. somewhat heart-shaped,
traceate: body flat: ant. tarsi of ζ with 3 dilated joints.
v. Adelosia Mentum with a bifid tooth: palpi very slender: ant. rather
short and stout: tho. much narrowed behind: body very flat: ant. tarsi
of ζ with 3 dilated joints.
vi. Platysma Mentum with a stout, bifid tooth: palpi slender, terminal
joint somewhat fusiform, truncate: tho. rather quadrate, narrower than
the elytra, which are somewhat ovate: body slightly depressed: wings
ample: ant. tarsi of ζ with 3 dilated joints.
vii. Abax Mentum with a bifid tooth: palpi robust; terminal joint attenu-
ated at the base, truncate: tho. square, as wide as the elytra, the latter
united, and have an elevated line on the shoulder: body very much de-
pressed: wings 0: ant. tarsi of ζ with 3 dilated joints: — colour black.
viii. Cheoporus Mentum with a bifid tooth: palpi rather slender: ant. with
short joints, submoniliform: tho. nearly as wide as the elytra, which are
separate, ovate, and somewhat convex: body flat: ant. tarsi of ζ, with
3 dilated joints: — colour metallic.
lx. Oödes Mentum with a simple tooth: palpi long, slender, terminal
joint cylindric, truncate: tho. as wide as the elytra, the latter broad:
wings 2: body broad, rather convex: ant. tarsi of ζ with 3 dilated joints.
lxi. Amara Mentum with a bifid tooth: palpi with terminal joint ovate,
traceate: ant. linear: tho. as wide, at base, as the elytra, the latter slightly
notched at the tip, and with the 2d stria shortened: body somewhat convex,
elongate-ovate: ant. tarsi of ζ with 3 dilated joints.
lxii. Bradytus Mentum with a simple tooth: palpi with terminal joint oval,
traceate: ant. slender: tho. nearly as wide as the elytra, narrowed be-
hind, somewhat heart-shaped: body convex: ant. tarsi of $\xi$ with 3 dilated joints.

lxii. Curtonotus Mentum with a bifid tooth: max. palpi with 3d joint long, clavate: ant. short: tho. somewhat transverse, narrowed behind: body elongate, ovate, very convex: wings ample: ant. tarsi of $\xi$ with 3 dilated joints; intermediate tibiae of $\xi$ tuberculated and spinose.

lxiii. Zabrus Mentum with an obtuse simple tooth: max. palpi with 3d joint not longer than 2d, slightly clavate: ant. linear: tho. broadest behind: body gibbous: elytra very convex, slightly emarginate at the tip: wings 2, ample: ant. tarsi of $\xi$ with 3 dilated joints.

§ 3. Chaesi never toothed; ant. and intermediate tarsi of $\xi$ dilated; dilated joints mostly 4-drate.

lxiv. Harpalus Mentum with a simple obtuse tooth: palpi with terminal joint fusiform, truncate: ant. with 2 basal joints naked: tho. transverse, as broad at the base as the elytra, which are more or less notched at the tip: body elongate, ovate, somewhat convex: tibiae spinose.

lxv. Anisodactylus Mentum not toothed: palpi with terminal joint nearly cylindric, truncate: tho. somewhat quadrate, or trapezoid: elytra ovate, deeply striated: body oblong, flattish: $\xi$ with 4 ant. tarsi unequally dilated, basal joint small, 4th largest and heart-shaped.

lxvi. Pangus Mentum with a simple tooth: palpi with terminal joint somewhat cylindric, truncate: ant. short: tho. narrowed behind, the hinder angles rounded: elytra wide, somewhat remote, slightly waved at the tip: anter. and interm. tarsi of $\xi$ with 4 equally dilated joints.

lxvii. Actephilus Mentum with an obtuse central tooth: palpi with terminal joint longest; rather acute, truncate: ant. short, apical joint ovate: tho. transverse; hinder angles rounded: elytra broad: anter. legs stout, simple; their tarsi and the interm. ones in $\xi$ with 4 nearly equally dilated joints.

lxviii. Ophonus Mentum transverse, short, deeply notched, with a minute simple tooth: max. palpi with terminal joint stout, ovate: tho. somewhat 4-drate, rarely with rounded angles, punctured: body pubescent: elytra faintly sinuate at the tip: ant. and inter. tarsi of $\xi$ with 4 dilated joints.

lxix. Diachromus Mentum with an obtuse, stout tooth: max. palpi with terminal joint ovate-acuminate, truncate: tho. somewhat orbicular, the hinder angles rounded: body glabrous, impunctate: elytra sinuate-truncate at the tip: anter. and inter. tarsi of $\xi$ with 3 dilated joints.

lxx. Stenolophus Mentum not toothed: palpi with terminal joint ovate-acuminate, truncate: tho. somewhat orbicular, the hinder angles rounded: body glabrous, impunctate: elytra sinuate-truncate at the tip: anter. and inter. tarsi of $\xi$ with 3 dilated joints.


lxxii. Trechus Mentum with a simple tooth: palpi with the terminal joint conic, acute: tho. heart-shaped, truncate, the hinder angles obtuse, or rounded: body ovate, slightly convex: elytra entire: anter. and inter. tarsi of $\xi$ with 3 dilated joints.

lxxiii. Blemus Mentum with the centre of its notch slightly produced: palpi with the terminal joint as long as the 3d, conic, acute: tho. narrowed behind, hinder angles acute: body elongate, depressed: elytra entire: anter. tarsi of $\xi$ with 3 distinct dilated joints; inter. slightly dilated.
lxxiv. Epaphius. Mentum with a simple tooth: pulpi with terminal joint longer than 3d, conic, acute: tho. transverse, heart-shaped, rounded behind, remote from elytra, which are ovate, broad, convex, rounded at tip: wings 0: anter. tarsi of 3 with 2 dilated joints; inter. slightly dilated.

lxxv. Aërus Mentum with a central simple tooth: pulpi with terminal joint slender, attenuated: manul. porrected, much toothed: head large: eyes minute: tho. obcoardate-truncate: elytra depressed, slightly notched at the tip: wings 0: tarsi slightly dilated, very pubescent beneath, anter. with a curved spine below on the penultimate joint.

24 Loriceria Latreille.

124 pilicornis Fab. E. i. 193. — Don. xi. pl. 367. f. 1. — Ste. M. i. 69. — Brassy, with a greenish tinge above, black beneath: elytra wider than the thorax, punctate-striate, with 3 deep impressions between the 3d and 4th stric; thighs brassy-green; shanks and tarsi pale reddish-yellow. (L. 3-3½ l.) Abundant near London, beneath mosses, &c.: also found in Scotland and Wales: ♀, ♂.

25 Panageus Latreille.

125 4-pustulatus Sturm. D. F. iii. 72. — Ste. M. i. 70. pl. 4. f. 6. — Dull black, pubescent, narrow: thorax orbicular: elytra punctate-striated, red anteriorly, the base, suture, and hinder portion black, the latter with a round red spot on each elytron. (L. 3-3½ l.) Local; gravel pits, Coombe Wood, 5; Hertford, 7; Southend, 5.

126 cruiser-major L. ii. 673. — Don. xiv. pl. 477. f. 2. — Ste. M. i. 71. — Dull black, pubescent, wide: thorax transversely ovate; elytra punctate-striate, red, the base, suture, a transverse band in the middle, and the tip black. Varies, with the central band on the elytra interrupted; and with the hinder portion black, and having a red spot. (L. 3½-4 l.) Also local: Shooter's hill; Norwood; Cobham, &c.: plentiful near Cambridge, 2; and in Berks, Netley, &c.: 4-5.

26 Badister Clairville.

127 cephalotes De J. S. ii. 406. — Cur. iii. pl. 139. — Ste. M. i. 72. — Black: head as wide as the thorax, the latter and elytra anteriorly red, their apex black, the suture, a transverse common crescent in the middle, scutellum, and legs red. (L. 3-4 l.) Local: roots of willows, Battersea fields, Coombe, Darenth, &c.; Brompton; Winterbourne Stoke, Wilts: 3-4.

128 suturalis Ste. M. i. 73. pl. 5. f. 1. — Black: head scarcely as wide as the thorax, the latter narrow behind and red; elytra also red anteriorly, black at the tip, the scutellum, suture, and lateral margins, and the legs red. (L. 2½-3 l.) Hertford; Winterbourne, Stoke, &c. : 3-5.

129 bipustulatus Fab. E. i. 203. — Don. xv. pl. 516. — Ste. M. i. 72. — Black: head narrower than the thorax, which is red; elytra red anteriorly, black behind, the suture and a round, or 3-angular, common spot red: legs and basal joint of antennae pale red. The spot on the elytra is occasionally very large, or almost wanting. (L. 2½-3½ l.) Common beneath bark of felled trees, &c.: ♀, ♂.

130 microcephalus Ste. M. v. 373. — Black: head very small, round; thorax elongate, narrow behind; elytra red, with two blue-black spots; scutellum and legs red. (L. 2-2½ l.) Found near London: 3-4.

131 lacertosus Knoch. — Sturm. D. F. iii. pl. 75. f. n. — Ste. M. v. 374. — Black: head narrower than the thorax, which, with the scutellum and legs, is red; elytra broad, red anteriorly, black posteriorly, the suture and an
angulated common spot, towards the apex, red. (L. 3 l.) Rare; taken near London and in Hants.

27 Trimorphus Stephens.

132 scapularis Ste. M. i. 180. — Black: head with 2 frontal impressions, thorax with the lateral margin more or less pale; elytra faintly striated, with 2 or 3 impressions between the 2d and 3d striae; the outer margin, suture towards the tip, and a squarish patch on the shoulders, pale; legs, palpi, and antennae also pale, with dusky rings. (L. 2½ l.) Earl's Court, 6; Carlisle, 2-3.

133 confinis Ste. M. i. 181. pl. ix. f. 5. — Pitchy-black; rather slender: thorax with basal and lateral margins broadly pale; elytra pale dusky, faintly striated, with a square pale spot on the shoulder, the suture and margin palish: legs, antennae, and palpi pale, the latter ringed, rather dusky. The humeral spot is sometimes wanting. (L. 1½-2½ l.) Battersea fields, 5; Darenth, 7; Norfolk; and Loch Awe, Scotland.

134 † Erro Ent. M. (Newman), v. 489. — Black: thorax above and elytra brassy-black, shining, the latter striated rather deeply: legs pitchy; antennae blackish, the basal joint white both at its base and tip, the 2d pale at the tip only. (L. 2½ l.) Near London. (Camberwell or Dulwich?)

28 Licinus Latreille.

135 depressus Ph. F. i. 110. — Cur. i. pl. 75. — Ste. M. i. 73. — Wingless; deep black and somewhat opaque: thorax rounded, punctured; elytra very finely punctate-striated, the interstices minutely punctured; the base retuse. (L. 5 l.) Near Dorking; Kimpton, Hants; and in Norfolk and Suffolk: not common: 3-9.

136 † Cassideus Fab. E. i. 190. — Clair. ii. 104. pl. 16. f. a. — Ste. M. i. 73. — Wingless; deep black, opaque: thorax squarish, thickly punctured; elytra obscurely punctate-striate; the spaces between flat, faintly, but thickly punctured; body glossy black beneath. (L. 6 l.) Aldborough, Suff.: 7.

137 Silphoides Fab. E. i. 190. — Ste. M. i. 73. pl. v. f. 2. — Winged; black, slightly shining: thorax rounded, punctured; elytra ovate, with 3 slightly elevated lines, punctate-striate, the interstices thickly and deeply punctured, the 3rd, 5th, and 7th elevated, tip deeply sinuated; body beneath and legs glossy black. (L. 6½-7 l.) Abundant at Dorking, 5-9: also taken occasionally at Dover, and once in London: 9.

29 Epomis Bonelli.

138 circumscriptus Duft. ii. 166. — Ste. M. i. 72. pl. v. f. 3. — Head and thorax dull brassy-green, with scattered punctures; elytra dusky, with a greenish tinge, the lateral margin broadly ochreous-yellow, disc deeply striated, spaces smooth and raised; antennae and legs yellowish. (L. 7-9 l.) Very rare in England, if truly indigenous: locality unknown.

30 Diplocheilus Brullé.

(139 impressus Fab. E. i. 188. — Ste. M. i. 75. — Dull black, impunctate; thorax narrowed in front, nearly as wide as elytra behind, the base with an impression on each side; elytra faintly striated, the striae impunctate, and no short stria near the scutellum, the outer stria accompanied by a raised line, spaces smooth. (L. 10 l.) An Indian insect, erroneously introduced into the British list.)
31 Chilenius Bonelli.

140 † sulcicollis Ph. F. i. 153. — Cur. ii. pl. 83. — Ste. M. i. 77. — Black : thorax widest behind, sparingly punctured in front, rough behind, pilose, the disc with 4 raised longitudinal shining lines; elytra rough, pilose, faintly punctate-striate. (L. 6 l.) Covehithe, Suffolk.

141 holosericeus Fab. E. i. 193. — Ste. M. i. 77. pl. v. f. 4. — Dull brass; pubescent : head shining, punctured; thorax widest behind, thickly and ruggedly punctured, with 2 foveae; elytra slightly striated, interstices transversely granulated; mouth and palpi pitchy; body beneath, legs, and antennae black. (L. 6 l.) Local; not uncommon near Whittlesea Mere, 8; also found at Fen Ditton, Berks.

142 nigricornis Fab. E. i. 198. — Ste. M. i. 77. — Ca. holosericeus v. Pz. F. xi. f. 9. 8. c. — Head and thorax brassy-copper, the latter widest behind, and punctured: elytra shining green, finely granulated and striate, the striae obscurely punctate: body beneath black; legs and basal joint of antennae pitchy. Legs and basal joint of ant. sometimes red; head and elytra bluish, &c. (L. 4⅔-5⅓) In marshy places near London, common in spring and autumn; Battersea; also at Whittlesea Mere: 6-7.

143 melanocornis Ziegler. — De J. S. ii. 350. — Ste. M. i. 78. — Greenish-black: head bronzed, slightly punctured; thorax widest behind, thickly punctured, coppery; elytra broad, green-blue, obscurely punctate-striate, interstices minutely granulated; apex obtuse; legs and basal joint of the antennae bright rusty-red; rest of the latter brown. (L. 5⅓ l.) Found at Whittlesea Mere, and near London: 6-7.

144 fulgidus Ste. M. i. 78. pl. v. f. 5.— Above brilliant blue-green, beneath blue-black: head smooth; thorax widest behind; green, thickly punctured; elytra with the apex produced, changeable blue-green, finely striated and granulated; basal joint of antennae and the legs rusty-yellow. (L. 5 l.) Rare: taken at Whittlesea: 6.

145 Agrorum Olie. E. iii. 86. — Ste. M. i. 79. pl. v. f. 6. — Bright green: thorax widest behind, finely punctured; elytra obscurely striated, interstices finely granulated, the margin broadly yellow; legs, mouth, basal joint of the antennae, and a broad margin to the abdomen pale yellow. (L. 5⅔ l.) Very rare: Plymouth; Bristol in spring; also in Derbyshire: 4.

146 vestitus Fab. E. i. 200.—Pz. F. xxxi. f. 5.— Ste. M. i. 79.—Brassy-green; head obscurely wrinkled; thorax narrowed behind, punctate, its margin pale; elytra pubescent, rather obscure, punctate-striate, the spaces ruggedly punctured; the margin dull yellow, broadest at the tip; base of antennae and legs also dull yellow. (L. 5-5½ l.) Not uncommon in the fields, &c., to the north of London; 2-5. Found also at Bottisham, Cambs.

(147 † xanthopus Ste. M. i. 80.—Dull brass: head and thorax slightly shining, the latter narrowed behind, thickly punctured; elytra obscurely striated, the striae remotely punctured; interstices nearly smooth; legs, labrum, palpi, and 3 basal joints of antennae rusty-red. (L. 8³/₄ l.) An uncertain native of Britain.)

32 Callistus Bonelli.

148 lunatus Fab. E. i. 205. — Cur. iv. pl. 180. — Ste. M. i. 81. — Bluish-black: thorax dull red; elytra ochreous-yellow, faintly striated, with a roundish black spot at the basal angle, a 2d larger, and transverse, towards the middle, reaching nearly to the suture, and a 3d at the tip, united externally to the central one; thighs and tibiae yellowish at the base; mouth and 2 basal joints of ant. rusty. (L. 3½ l.) Local; near Dover, Canterbury, &c., Kent; Leith hill, Surr.; Burghfield, Berks: 3-10.
33 Anchomenus Bonelli.

149 prasinus Fab. E. i. 195. — Pz. F. xvi. f. 6. — Ste. M. i. 82. — Blue-black: head and thorax greenish; elytra simply striated, reddish, with a large blue-black dorsal spot, behind the middle; legs, palpi and antenna pale red. (L. 3-3½ l.) Abundant in hedges, &c., near London; also in Scotland, &c.: 3-6.

150 albipes Ill. K. i. 54. — De J. Ic. ii. pl. 117. f. 3. — Ste. M. i. 82. — Black, or pitchy: thorax somewhat heart-shaped; elytra simply striated, the margin pale; legs and antenna pale testaceous, tip of the latter darker. Variable in colour, according to maturity; in some cases pale rust with the elytra paler. This var. is Ca. sordidus Marsham.— Ste. M. i. 82. (L. 3-3½ l.) Extremely plentiful in banks, &c., within the metropolitan districts; in Cumberland, &c. *; ©.

151 oblongus Fab. E. i. 186. — De J. Ic. ii. pl. 117. f. 4. — Ste. M. i. 82. — Wingless; pitchy: thorax oblong; elytra strongly punctate-striate, the striae somewhat crenate; antenna and legs pale testaceous; palpi pitchy. (L. 2-2½ l.) Rather local; found in marshy places: Battersea fields; Lawrance Waltham; Bottisham Fen; Norwich, &c.: 3-6.

34 Platynus Bonelli.

152 angusticollis Fab. E. i. 182. — Sturm. D. F. v. pl. 130. — Ste. M. i. 83. — Pitchy-black, shining: thorax very glossy, convex, transversely rugged; elytra short, ovate, very obscurely punctate-striate; interstices convex; antenna, palpi and legs pitchy-brown. (L. 5-6 l.) Common near London, on Epping Forest, at Coombe, Darenth, &c., and in Devonshire; near Halifax, &c.: 3-5.

153 scrobiculatus Fab. E. i. 178. — Pz. F. cix. f. 7. — Wingless: deep pitchy-black: head with 2 bright red spots; thorax with 3 impressed lines; elytra mostly striated, with 3 punctures on the disc; antenna, palpi and legs red. (L. 6 l.) Supposed to have been taken near Ashburton, Devon.)

35 Sphodrus Clairville.

154 leucophthalmus L. ii. 668. — Ste. M. i. 84. — Ca. planus Pz. F. xi. f. 4. — Slightly depressed; opaque black, smooth: elytra very finely punctate-striate; antenna, palpi and legs pitchy-black. (L. 10-12 l.) Local; found in cellars, outhouses, &c., in and near London: 3-8.

36 Pristonychus De Jean.

155 Terricola Ill. K. i. 184. — De J. Ic. ii. pl. 107. f. i. — Ste. M. i. 83. — Wingless; pitchy-black, slightly depressed: thorax and elytra bluish-black, the latter brightest and finely punctate-striate; legs pitchy; mouth and antenna reddish brown. (L. 6-8½ l.) Also found in cellars, &c., in and about London, ©.

37 Agonum Bonelli.

156 marginatum L. F. No. 804. — Pz. F. xxx. f. 14. — Ste. M. i. 85. — Shining green or coppery: elytra (obscure in ?) finely punctate-striate, the disc with 3 punctures, the margin yellow; thighs pitchy; tibia yellow; base of antenna testaceous. (L. 4-5 l.) Battersea Fields; Southend; Kingston, &c.: Isle of Ely, Bottisham: 4-6.

157 6-punctatum L. ii. 672. — Sam. pl. 3. f. 20. — Ste. M. i. 86. — Black-brass, shining: head and thorax golden-green; elytra red-copper (or brassy-black), finely punctate-striate, the 2d interstice with 6 impressions. Colour extremely variable above, in some cases nearly quite black (L. 3½-4½ l.)
Local: occasionally very abundant; at Coombe Wood; Battersea fields; Dorking; Birch Wood; Epping Forest; in Norfolk, Cambr., &c.: 4-7. 138 austriacum Fab. E. i. 198.—Car. iv. pl. 183.—Ste. M. i. 87. —Black: head green; thorax coppery-green, faintly wrinkled transversely; elytra green, coppery towards the suture, striated, with a row of impressed dots on the 3d stria; legs black. (L 4 l.) Very rare: Kingsbridge; Devon: Clengre, Gloce., and Cornwall: 5.

159 fulgens Loud. M. N. II. (Davis) v. 247 note. — Ste. M. v. 374.—Green-black; above brilliant fiery copper, purplish, or steel black: head rugged; elytra punctate-striate, interstices minutely strigose; femora and tibia black with a purplish tint; tarsi and base of antennae black. (L 3-3½ l.) High moors near Halifax: in winter.

160 parumpunctatum Fab. E. i. 199.—De J. Is. ii. pl. 119. f. 1.—Brassy-black: head and thorax coppery-green, or brassy, finely striate transversely; elytra brownish-brass, coppery or greenish, rarely violet or bluish, finely striated, 3d interstice with 3 impressions; tibiae, tarsi and basal joint of antennae testaceae. Var. ? Ag. plicicolle Nicolai, 19.—Ste. M. i. 87. —Thorax transversely rugged, antennae and legs pitchy; elytra finely striated. (L 3-4 l.) A very abundant species near London, beneath stones, mosses, &c., * * .

161 viduum Ill. K. i. 196. — Pz. F. xxxvii. f. 8. — Ste. M. i. 88. —Ovate, black; above obscure brassy-green, slightly shining; thorax faintly strigose; elytra oblong-ovate, rather deeply punctate-striate, interstices slightly convex, the 3d from the suture with 3 impressions. (L 3½-4 l.) Common near London in Battersea and Copenhagen fields, &c.: also in Salop; at Kimpton, &c. * .

162 versutum Sturm. D. F. v. 192. pl. 132. a. A. — Ste. M. i. 88. —Ovate, black or brassy; above obscure brassy-green, shining; thorax convex, smooth; elytra broad, finely punctate-striate, the interstices flat, 3d from the suture with 3 impressions. (L 4 l.) Less common than the last, in similar localities: 7-4.

163 laeve De J. S. iii. 151. — Is. ii. pl. 120. f. 1. — Ste. M. i. 88. —Ovate, black; above with a greenish tinge: thorax broad, a little convex; elytra scarcely wider than the thorax, obscurely punctate-striate, interstices flattish, 3d with 3 faint impressions. (L 3½-4 l.) Found near London: 3-5.


166 Bogemannii Gyll. iii. 697. — Ste. M. i. 89. —Depressed; pitchy-black, paler beneath: thorax slightly heart-shaped, wide, not dilated on the sides; elytra rather faintly striated, the striae obscurely punctured and disposed in pairs, the interstices finely striigose. (L 4 l.) Found, but rarely, near London and Bristol. 3-5.

167 4-punctatum De Ger. iv. 102. — Ste. M. i. 90. —De J. Is. 122. f. 5. —Brassy-black: thorax transverse, with hinder angles obtuse; elytra
finely striated, the 3d interstice from the suture with 4 deep impressions; antennae and legs pale. (L. 2½ l.) Rare : North of England: 5.

168 consimile Gyll. ii. 160. — Ste. M. i. 90. — Oblong, slightly convex; glossy blue-black: mandibles pitchy-red; palpi and antennæ black; thorax transverse, finely wrinkled transversely, basal angles rather di-tinct; elytra with a greenish tinge, faintly striated, striae not punctured; 3 minute impressions on the 3d interstich; thighs bluish; tibiae and tarsi black. (L. 2½-3 l.) — Local: Plaistow marshes: 3-7.

169 atratum Stu. D. F. v. 189. pl. 135. f. a. A. — Ste. M. i. 91. — Black: thorax short and narrow, obscurely wrinkled; elytra with a coppery tinge, faintly striated, with 3 or more punctures on the 2d and 3d from the suture, and a continuous series on the outer one. (L. 3 l.) Near London: 3-5.


171 cursitor Kirby. — Ste. M. i. 91. — Pitchy-brass, rather bright above: elytra wide, rather short, finely striated, the outer margin with an interrupted row of punctures; legs testaceous; antennæ fuscous, with the base pitchy. (L. 3 l.) London and Ipswich: 3-5.

172 piecem L. ii. 672. — Ste. M. i. 91. — Black: thorax narrow; elytra convex shining, faintly striated, pitchy-brown, the margins palest; legs pitchy-red; antennæ shorter than the body, black. (L. 3½ l.) Near London; and in Salop, Suff. and Norf.: 3-5.

173 Simpsoni Spence. ? — Ste. M. i. 92. — Black: thorax widish and short, obsolesctly wrinkled; elytra slightly convex, deep pitchy-brown, or black, simply striated, the margin with an interrupted row of dots; legs and antennæ pitchy. (L. 3½ l.) Battersea fields; Netley, Salop; Bottisham, &c.: 8-4.

174 pullum Hoffmannsegg. — Ste. M. i. 92. — Pitchy-black, rather narrow: thorax smooth; elytra slightly convex, moderately striated, chestnut-black, with 3 or 4 faint punctures on the 3d stria, and an interrupted row on the margin; legs pitchy; tips of thighs darkest; antennæ and palpi black. (L. 3 l.) London district; Netley; in Devon; and at Winterborne Stoke under bark of willows: 12-5.

175 striatum Ste. M. i. 92. — Pitchy, paler beneath: thorax pitchy-black, ruggedly wrinkled throughout, the margins paler; elytra pale chestnut, flattish, deeply striated, the striae obscurely punctured, and some larger punctures on the marginal one; legs pale red; antennæ pitchy, apex dusky. (L. 3 l.) London district: 3-7.


177 picipes Fab. E. i. 203. — De J. le. ii. pl. 122. f. 2. — St. M. i. 93. — Oblong; pitchy-black, shining: thorax slightly ovate, with a deep pit at the base; elytra oblong-finely striated, rather convex, fuscous-brown, livid, or testaceous; legs pitchy; antennæ pitchy at base, apex black. (L. 3-3½ l.) Common near London, at Netley and Longmont; Salop; Whittlesea Mere; Suff. &c.: 11-5.

179 pelidnum Ph. F. i. 134. — De J. Jc. ii. 122. f. 4. — Ste. M. i. 94. — Oblong; pitchy-black, shining: thorax oblong, faintly wrinkled, without pits; binder angles obtusely rounded; elytra pitchy-brown, very faintly striated, the striae impunctate; legs pitchy-red; mouth and base of antennae pitchy, apex of the latter fuscous. (L. 3-3½ l.) Near London; more abundant at Whittlesea Mere; and twice at Bottisham: 11-7.

180 affine Ste. M. i. 94. — Oblong; pitchy-black, shining: thorax rather short, smooth, with an impression on each side of the base; elytra somewhat faintly striated, strie impunctate; antennae and legs deep pitchy-black. (L. 3½ l.) Apparently rare; taken near London, in Battersea fields: 3-6.

181 pusillum Ste. M. i. 95. — Deep shining black, with a faint tint of violet: thorax short, broadish, obsoletely wrinkled transversely; elytra deeply striated, the marginal striae obsoletely punctured; legs, mouth and antennae deep black. (L. 2½ l.) Near London: 4.

182 livens Gyl. ii. 149. — Ste. M. i. 95. — Ag. 2-punctatum Steu. D. F. v. pl. 133. f. B. b. — Oblong, depressed, black, shining: forehead with 2 red dots; thorax faintly, but obtusely, angled behind, with a deep punctured impression on each side; elytra slightly, but simply striated; apex and body testaceous; mouth and legs rusty-red; antennae rusty, with the base of the 2d, 3d, and 4th joints pitchy. (L. 3½-4 l.) A maritime? species; Bognor, Hastings, Brighton, and Norfolk coasts; rare: 5-8.

38 Olisthopus De Jean.

183 rotundatus Ph. F. i. 136,— Ste. M. i. 96. pl. 6. f. 2. — Brown-brassy, shining; beneath pitchy-red: thorax faintly wrinkled transversely; elytra simply striated, with 3 impressions on the disc; legs and antennae at base yellowish, tip of latter dusky; mouth reddish; palpi pale, dusky at the tip. (L. 3-3½ l.) Common in corn fields, &c. near London; also found in Suff., Norf., and Salop; Midgley Moor, Yorks.; Carlisle; as well as in Scotland: 3-7 ♀.

39 Odontonyx Stephens.

184 rotundicollis Marsh. i. 471. — Ste. M. i. 96. — Wingless; rusty-pitchy or dusky; shining: elytra paler, obsoletely striated, with 3 impressions on the disc; legs and antennae pale testaceous; palpi reddish. (L. 2½ l.) Found occasionally near London. 5.

40 Synuchus Bonelli.

185 nivalis Ill. K. i. 197. — Ste. M. i. 97. — Ca. nivalis Pz. F. xxxvii. f. 19. — Shining-black: elytra deeply, but simply striated, with 3 remote impressions on the 3d stria; mouth, antennae and legs red. Sometimes the suture and edge of the elytra reddish. (L. 3½-4 l.) Rather local; found in damp banks at Coombe, Darent, &c.; at Bottisham; Netley; in Norfolk, &c.; sparingly in Scotland: 4-8.

41 Calathus Bonelli.

186 piceus Marsh. i. 444. — Ste. M. i. 98. pl. 6. f. 3. — Wingless; pitchy-black: thorax narrowed behind, its hinder angles rounded, and its margins
reddish pitch colour; elytra faintly striate, striæ impunctate, 3d with 3 or 4 deep impressions annexed; legs pitchy-red, or dusky. (L. 4-5 l.)

Coombe Wood, common; Bottisham; Norf.; Devon; Castle Howard, in plenty: Scotland, common: 2-9.

187 melanocephalus L. ii. 671.—Don. xiv. pl. 480.—Ste. M. i. 98.—Wingless; shining black: thorax broad behind, angles acute, colour pale red; elytra simply striate, disc with 2 or 3 impressions; antennæ and legs pale red. (L. 3-4 l.) Very abundant throughout the country; in plenty in Scotland: O, *.

188 cisteloïdes Ill. K. i. 163.—Pz. F. xi. f. 12.—Ste. M. i. 99.—Wingless; dull black; thorax broad behind, its angles acute, 2 impressions at the base, and the base punctured; elytra finely punctate striated, 3d and 5th interstices with several larger impressions; antennæ and legs red, or fuscous; sometimes wholly black. (L. 4-6 l.) Also a very plentiful species; both in England and Scotland, O, *

189 † apialis Ent. M. (Newman) i. 287. —Ste. M. v. 375.—Wingless?: 3 basal joints of antennæ, thorax, elytra and legs pale rust colour; rest of antennæ deep black, each joint tipped with rust-colour; elytra simply striate. (L. 4 l.) Locality unknown.

(190) punctipennis Germ. L. i. 13. —Ca. latus Cur. iv. pl. 184.—Ste. M. i. 99.—Wingless; very broad; black: thorax wide behind; angles acute; base thickly punctured; elytra ample, punctate-striate, 3d and 5th striæ with deeper impressions; legs pitchy; palpi and antennæ reddish. Sides of thorax occasionally reddish. (L. 6 l.) Supposed to be found in Devonshire in the spring.

191 crocopus Hoffmannsegg. —Ste. M. i. 99. —Ca. flavipes Sturm. D. F. v. pl. 192. f. a. A.? —Wingless; shining black: thorax wide behind, with acute angles, its lateral margin reddish-yellow; elytra striated, 3d interstæ with 2 impressions; legs and antennæ reddish yellow. (L. 3½-5 l.) Darenth Wood; Cobham, &c.; also in plenty in Glouc., Devon, on the shores of the Tees, and near Carlisle: 3-7.

(192) flavipes Fk. M. C. 37. —Ste. M. v. 375. —Black; pitchy beneath: legs red; thorax somewhat square, straight behind; elytra with 9 stric, of which 4 are punctate. (L. 5 l.?) Supposed to be synonymous with the preceding; doubtful if British.


194 fuscus Fab. E. i. 191.? —De J. Ic. ii. pl. 111. f. 4.?—Ste. M. i. 100. —Wingless; brown-black: thorax wide behind, angles obtuse, the entire margin reddish; elytra faintly striate, the striæ impunctate, 3d interstice with 2 impressions; legs and antennæ pale rust-colour. (L. 4-4½ l.) Abundant on the coasts of S. Wales: 3-6.

195 rufangulus Marsh. i. 441. —Ste. M. i. 100. pl. 6. f. 4. —Winged; pitchy-black: thorax wide behind; its angles acute, red, with the margin broadly red; elytra finely striate, striæ not punctate, 3d interstice with 2 obscure impressions; antennæ and legs testaceous. When immature rust-coloured, with sides of thorax, antennæ and legs paler. (L. 4-5½ l.) Common at Darenth: 5-7; also in Norf. and Suff.; rare in Scotland.

196. mollis Marsh. i. 450.—Ste. M. i. 101. —Pitchy-black, shining: thorax wide behind, angles obtuse; lateral and sometimes basal margin rust-coloured; elytra finely striated, striæ simple, 3d interstice with 2 or more impressions; antennæ and legs pale-reddish. Sometimes pitchy-
red, with sides of thorax, antennae and legs paler. (L. 3-4.) In plenty on the southern coast, especially near Southend and Gravesend; also in Scotland: 2-6.

42 Platyderus Stephens.

197. ruficollis Marsh. i. 456. — Ste. M. i. 101. — Dusky rust-colour, glossy: thorax brighter, very shining, with a deep dorsal channel, and a strong impressed line on each side; elytra simply striated, 3d stria with 3 impressions; legs, palpi and antennae rusty-red. Sometimes ferruginous, with paler legs; or very pale testaceous. (L. 2$\frac{1}{4}$-3$\frac{1}{2}$ l.) About Richmond Park in 1-4; also in Norf. and Suff.

43 Argutor Megerle.

A. Elytra without a short stria at the base, near the scutellum.

198 inquinatus Meg. — Stu. D. F. v. 79. pl. 116. f. c. C. — Ste. M. i. 103. — Elongate, deep black: thorax glossy, impunctate, with an impressed line on each side; elytra striate, striae obscurely punctured; mouth, antennae and legs pitchy-red. (L. 3$\frac{1}{4}$ l.) Near London: 3-5.

199 rufomarginatus Cur. xiv. f. 666. — Ste. Nom. 2d. col. 7. — Pitchy-black: thorax with the base thickly punctured, an impressed line on each side, and the sides, except anteriorly, red; elytra deeply striated, 3d interstice with 3 punctures; mouth, legs and base of antennae rust-colour (L. 31.) Near Gravesend, and in Norfolk: 5-7.

200 vernalis Fab. E. i. 207. — Pz. F. xxx. f. 17. — Ste. M. i. 103. — Black: thorax slightly punctured at the base, with a deep impressed line on each side; elytra crenate-striate, 3d interstice with 3 punctures; mouth, legs and antennae pitchy. (L. 2$\frac{1}{2}$-3 l.) Common in spring, near London, at Gravesend, &c.

201 inaequalis Marsh. i. 456. — Ste. M. i. 103. — Oblong, black: thorax slightly punctate behind, with a deep impressed line at the base on each side; elytra rather deeply punctate-striate, with 3 large punctures on the 3d interstice; legs, mouth, and antennae red. (L. 2$\frac{1}{2}$-3 l.) Common at Gravesend and other parts near the coasts: 3-7.

Var. ? Ca. Scalesii M. — Ste. M. i. 103. — Entirely ferruginous, shining; elytra deeply striated, the striae crenulated: sometimes rather dusky. Found with the preceding.


B. Elytra with a short stria, near the scutellum.

203 diligens Stu. D. F. v. 81. pl. 117. f. A. a. — Ste. M. i. 104. — Elongate, black: thorax impunctate at the base and with an impressed line, beneath also impunctate; elytra ovate, punctate-striate, 3d interstice with 3 punctures; legs and base of antennæ red. (L. 2$\frac{1}{4}$-2$\frac{1}{2}$ l.) Not uncommon near London, at Hertford, &c. (1)

204 strenuus Ill. K. i. 185. — Pz. F. xxxviii. f. 6. — Ste. M. i. 105. — Oblong, black: thorax above faintly punctured at the base, and with an impressed line, beneath deeply and thickly punctured; elytra obsolescently punctate-striated, the lateral stria slightly obliterated; mouth, antennae, and legs rusty-red. (L. 3 l.) Near London, and in Norf. and Suff. (2)

205 interstinctus Stu. D. F. v. 77. pl. 116. f. 8. B. — Ste. M. i. 104. — Oblong, shining black: thorax rather narrowed behind, its base punc-
tured and with an obscure impressed line on each side; elytra ovate, deeply punctate-striate, with some scattered impressions on the disc; legs and antennae pitchy-red, tips of former rather dusky. (L. 2½-3 l.) At Hertford; near Southend in spring.

206 erythropus Marsh. i. 461.—Ste. M. i. 105.—Elongate, shining pitchy-black: thorax punctured at the base and with an impressed line on each side; elytra deeply striated, the stria punctulated; legs red; antennae pitchy, with the base red. (L. 3 l.) Common; London district, Scotland, &c. ⑨, ⑨.

207 pullus Gyll. ii. 89.—Ste. M. i. 105.—Shining black: thorax impunctate, with a single stria on each side; elytra striated, the stria finely crenated, and impunctate; antennae and legs rust-colour; thighs sometimes pitchy. Sometimes rust-colour, or chestnut, with the head darker. (L. 3-3½ l.) Near London, and in Devon and Scotland, not very common: 3-6.

208 Anthracinus Gyll. ii. 82.—Ste. M. i. 105.—Ca. Nigrita Pz. F. xi. f. 11.—Oblong, shining black: thorax punctured behind and with 2 basal lines, the inner one terminating in a bilobed punctured fovea; hinder angles rather acute; elytra crenate striated, faintly punctured, the interstice flat, the 3d with 3 large punctures; mouth, palpi, and legs pitchy. (L. 3½-4 l.) Near London and in Norfolk: 3-6.

44 Pogonus Ziegler.

209 Burrellii. Cur. i. pl. 47.—Ste. M. i. 106.—Brassy-green, or coppery: elytra pale ochreous, with a brownish cloud on back, punctate-striated, the stria greenish; tip of abdomen reddish; legs, mouth, and antennae dull rust-colour. (L. 3-4 l.) Near Salthouse, on the coast of Norfolk: 3-7.

210 chalceus Marsh. i. 460.—Ste. M. i. 107. pl. 6. f. 5.—Brassy: thorax slightly narrowed behind, its base punctured; elytra rather elongate, and somewhat oblong-ovate, punctate-striate, the outer stria obsolete, the 3d with 3 impressions; legs red, with a brassy tinge; antennaefuscous at the base. (L. 2½-3½ l.) Common on the eastern coasts and on the shores of the Thames and Medway: 2-6.


212 eruiginus Ste. M. i. 107. pl. 6. f. 6.—Oblong, and narrow: thorax considerably narrowed behind, its base very thickly punctured; elytra parallel, deeply punctate-striated, the striae obscure at the apex and on the sides, the 3d with 3 larger impressions; legs and tip of the antennae reddish. (L. 3½ l.) Near Whitechurch, Hants: 4-6.

45 Pectulus Bonelli.

213 lepidus Fab. E. i. 189.—Ste. M. i. 108. pl. 7. f. 1.—Wingless; oblong; black: above green, coppery, brassy bluish, &c. shining; thorax with 2 deep parallel stria at the base; elytra deeply striated; antennae and legs wholly black. (L. 5½-6½ l.) At Hertford; Darenth Wood; near Ely; also in Devon, Norf., and Hants: 4-7, rather scarce.

214 dimidiatus Olive. E. iii. 72. pl. 2. f. 121.—Ste. M. i. 109.—Black, shining; head and thorax above coppery, the former very smooth, the latter with 2 striae on each side behind; elytra fine green (rarely black) punctate-striate; antennae with the two basal joints red beneath. (L. 5½-
Abundant on Hampstead Heath; Coombe Wood, &c.; also near Southend; and in Kent, Norfolk, &c. in spring.

Oblong-ovate; shining black: head, and thorax beneath, punctulated; the latter with 2 punctate fovea on each side at the base; elytra striated, the striae more or less obscurely punctate-striate; antennae with the 2 basal joints wholly red:—colours above extremely variable, being either coppery, green, blue, black, brassy-violet, &c. (L. 5½-6½ l.)


Versicolor Ziegler. — Stu. D. F. v. 99. pl. 120. f. 2. B. c. — Ste. M. i. 110. Oblong; shining; black: head and thorax beneath extremely smooth; the latter with two punctured foveae on each side at the base; elytra faintly punctate striated; antennae with the 2 basal joints red, with a raised black streak above:—colour above still more variable than in Poe. cupreus; in some instances extremely brilliant. (L. 3½-5½ l.)


46 Sogines Leach.

Oblong, dull black: thorax with 2 obscure impressions behind; elytra finely punctate-striate. (L. 6 l.) Devonshire in the spring.

47 Omaseus Ziegler.

Black, very shining: thorax transverse, rounded behind; with a deep impression on each side; elytra finely punctate-striate, the disc with three deep foveae; tarsi with reddish cilia. (L. 7-7½ l.) Horning in Norf., Whittlesea Mere, Bottisham fen, and near Cork: 4-6.

Bulwerii, Ste. M. i. 113. pl. 7. f. 2. Oblong, black; above brassy, shining: thorax with the hinder angles acute, the base sparingly punctured, with a deep fovea at each angle; elytra punctate-striated, the disc with 5 deep impressions. (L. 4-5 l.) Taken near Dublin: 6.

Orinomum Leach. — Ste. M. i. 114. pl. 7. f. 3. var. —Ovate, black, or brassy shining: thorax with hinder angles acute, with a deep fovea at each angle; the disc faintly wrinkled transversely; elytra deeply striated, with several (3-6) impressions in the 2d and 3d interstices. The foveae on the elytra are sometimes obsolete, and vary in number. (L. 4-5½ l.) Abundant in mountainous districts of Wales, in England and Scotland: 4-8.

Anthracinus Ill. K. i. 181. — De J. Ic. iii. 69. pl. 134. f. 5. Oblong, deep black, shining: thorax rather long, narrowed behind, with a large fovea at each angle, the latter acute; elytra striated; the striae faintly punctured, 3d stria with 3 impressions; interstices flat. Abdomen of 3 with a deep fovea at the apex beneath. (L. 4½-5 l.) Battersfield fields; in Cumberland; Ireland, &c.: 3-5.

Nigrita Fab. E. i. 200. — De J. Ic. pl. 134. f. 1. — Ste. M. i. 114. Oblong, deep black, shining: thorax short, slightly narrowed behind, with an impression at each angle; the latter obtuse; elytra obsolescently punctate striated; interstices flatish. Male without the fovea beneath. (L. 4½-5 l.) Extremely common throughout England; also abundant in Scotland, @, *.

levigatus Ste. M. i. 115. Glossy black: thorax somewhat heart-shaped, impunctate behind, the hinder angles acute, each with 2 impressed
S3

©, wings elytra

Near elytra thorax black thorax'a 3-5.

thorax elytra 3-4.

*.

legs thorax elytra elytra legs tarsi 4-7.

3-4.

227

226

224 ruffifemoratus Ste. M. i. 115. — Black, shining: thorax with hinder angles acute; elytra faintly punctate striiated; thighs red. (L. 4-5 l.) Belfast in Ireland.

225† tetricus Hali. — Curtis, 2d edit. folio 15. — "Black, shining: thorax a little narrowed behind, the basal angles right angled, with a large fovea on each side as in O. Nigrita; elytra deeply striate-pectinate, the 2d with 2, the 3d with 1 puncture, inclining to castaneous at the apex; wings ample. (L. 4½ l.) Near Belfast."

226 rotundicollis Ste. M. v. 376. — Shining black: thorax with its sides rounded, hinder angles very obtuse, the base with 2 stria on each side; elytra deeply sulcate-striate, the striae smooth, the 3d with 3 deeply impressed dots. (L. 5 l.) Near London: 3-4.

227 sulcatus Ste. M. v. 376. — Winged; black: thorax somewhat 4-drake, narrowed behind, and punctate on both sides, hinder angles obtuse, with 2 short striae and a fovea; elytra rather obscure, somewhat parallel, deeply striated, with 2 dorsal impressions on the 3d interstice. (L. 6-8 l.) On the Welsh mountains: 4-5.

228 melanarius Ill. K. i. 163. — De J. F. iii. pl. 133. f. 3. — Ste. M. i. 115. — Wings rudimentary; oblong, black, slightly shining: thorax slightly narrowed behind, its base obsolescently punctured, with a rugged fovea at each angle and 2 striae, the disc more or less obscurely wrinkled; hinder angles obtuse; elytra deeply striated, the striae equidistant; interstices slightly convex, the 3 with 2 impressions. (L. 6½-9½ l.) Abundant throughout England, and in Scotland: ○, *.

229 affinis Ste. M. i. 116. — Wings rudimentary; shining black: thorax very smooth, rounded at the sides, with 2 deep striae at each of the hinder angles in a rugged fovea; angles obtuse; elytra striated, the striae placed in alternate pairs, interstices flattish, the 3d with 3 impressions. (L. 7 l.) Near London: 3-4.

48 Steropus Megerle.

230 madidus Fab. E. i. 181. — Stu. D. F. iv. 175. pl. 104. f. c. ? — Ste. M. i. 117. — Black, shining: thorax somewhat rounded, convex, with a deep rugged fovea, having a longitudinal stria at each angle; elytra ovate, somewhat convex, striated, the striae impunctate, the disc with an impression behind the middle; legs glossy black, or with red thighs. (L. 6-8½ l.) Common beneath stones, &c. in England and in Scotland: ○, *.

231 arrogans Duyt. ii. 60. — Ste. M. v. 376. — Shining black, convex: thorax somewhat globose, transversely wrinkled, with a stria on each side at the base; elytra elliptic, convex, very finely striated, with a puncture on the 3d interstice near the apex; legs black; tarsi reddish. (L. 8-9 l.) On the Welsh mountains and in Cumberland: 4-7.

232 Ethiops Pz. F. xxxvii. f. 22. — Ste. M. i. 117. — Black, slightly shining: thorax somewhat rounded, with a round punctate fovea on each side; elytra ovate, deeply striated, the 2d stria with 2 or 3 remote punctures. ♀ with the penult. segment of the abdomen dentate. (L. 5½-6 l.) Mountainous districts of North of England and of Scotland: 3-7.

33 cognatus Ste. M. v. 377. — Shining black: thorax orbicular, with a deep fovea on each hinder angle; elytra somewhat ovate, deeply striate, the striae faintly punctured, the disc with 3 remote impressions; legs black; tarsi pitchy. (L. 6 l.) Taken on Snowden: 3-5.
49 Miscodera Eschscholtz.

234 arctica Ph. F. i. 85. — Ste. M. i. 377. — Le Readii Cur. viii. pl. 346. — Extremely glossy; above brassy-greenish, or bluish-black; elytra punctate-striate, the striae vanishing towards the apex; the space behind the thorax more or less punctate; body beneath pitchy-red; legs and antennae pale red. (L 4-4½ l.) On Midgley Moor, near Halifax; about Stockton, and in the mountainous districts of Scotland: 3-6.

50 Broscus Panzer.

235 cephalotes L. ii. 669. — Don. xiv. pl. 484. — Ste. M. i. 118. — Black, opaque; head sparingly punctured; elytra very finely punctate-striated. (L. 9 l.) Very abundant under marine rejectamenta, on most of the coasts of England and Scotland: .

51 Stomis Clairville.


52 Patrobus Megerle.

237 rufipes Fab. E. i. 184. — Ste. M. i. 119. — Ca. excavatus. Pz. F. xxiv. f. 2. — Wingless; pitchy black, paler beneath; thorax rather elongate heart-shaped, with a deep punctulate fovea on each side at the base; elytra oblong-ovate, punctate-striate, with 3 impressions; legs and antennae red. (L 3½-4½ l.) Common on the banks of the Thames, &c.; also in Wales and Scotland: 3-7.

238 alpinus Cur. iv. pl. 192. — Ste. M. i. 120. — Winged; pitchy-black; thorax transversely heart-shaped, of a chestnut hue, with a deep punctured fovea on each side at the base, extending to the hinder angles; elytra rather elongate-ovate; faintly punctate-striate, the 4th interstice with 3 equidistant impressions; legs and antennae pitchy. (L. 4½ l.) Rather sparingly on the Scotch mountains: 4-6.

53 Cophosus De Jean.

(239† elongatus Sam. — Cur. v. pl. 196. — Ste. M. i. 121. — Elongate; shining black; thorax much narrower behind, with a deep impunctate stria near each hinder angle; elytra simply striated, with 4 deeply impressed dots on the 2d, and 1 on the 3d, stria; claws and tip of palpi rust-coloured. (L. 7½ l.) Said to occur in Devonshire: 6.)

54 Pterostichus Bonelli.

(240† fasciatopunctatus Creut. — Fab. E. i. 178. — Pz. F. lxvii. f. 9. — Ste. M. i. 121. — Wingless; black, shining; thorax with a fovea near each angle at the base; elytra slightly convex, deeply striated, with 3 or 4 irregularly disposed transverse rows of impressions more or less united into fasciae. (L. 8 l.) Also said to occur in Devonshire: 6.)

(241† Panzeri Megerle. — Pz. F. i. lxxix. f. 8. — Ste. M. i. 122. — Black; shining; thorax with a deep longitudinal stria near the hinder angle, and an obsolete shallow one at the angle itself; elytra irregularly striated, the disc with several irregularly scattered impressions; thorax beneath and breast punctured; legs, antennae and palpi pitchy, the latter tipped with
242 parumpunctatus De J. S. iii. 342. — Pt. brunnipes Ste. M. i. 121. — Shining, black: thorax cordate, obsoletey wrinkled transversely, with a deep smooth impressed line near the hinder angle on each side, and a smaller one at the angle; elytra iridescent by candlelight, striated, the 3d stria with 3 impressions; legs and antennæ pitchy-brown; mandibles reddish. (L. 7½-8½ l.) In Devonshire? and very abundant near Newcastle, ♀.

243 oblongopunctatus Fab. E. i. 183. — Pz. F. lxxiii. f. 2. — Ste. M. i. 122. — Winged; brassy-black, shining, glabrous: thorax with a single impressed line on each side near the hinder angles, which are acute; elytra brassy, faintly striated, with 3-5 impressions on the 3d interstice; antennæ and thighs black; tibiae, tarsi, and palpi, reddish. (L. 5½-6½ l.) Var. ? Ca. 8-punctatus Marsh. i. 447. — Ste. M. i. 123. pl. 7. f. 4. — Narrower and brighter, with 4 distinct impressions on the elytra; the femora and antennæ dusky. Rare: found at Bagley Wood, Oxon; near Windsor; and in a salt marsh, Devon; also in Ireland: 3-7.

55 Adelosia Stephens.

244 picea Oliv. E. iii. 58. pl. 2. f. 123. — Ste. M. i. 123. pl. 7. f. 5. — Pitchy-black, or rusty-black; shining: forehead with a rough impression on each side; thorax with a deep oblong one near the hinder angles, which are slightly punctate; elytra flat, striated, the 3d interstice with 3 remote impressions; legs and palpi red. (L. 5½-6½ l.) London district under moss, &c.; especially near Hackney: also Southend; Ely; banks of Tees, &c.: 2-7.

56 Platysma Bonelli.

245 niger Fab. E. ii. 178. — Ste. M. i. 124. — Ca. leucophthalmus Oliv. E. iii. 48. pl. 1. f. 4. Deep shining black: thorax faintly wrinkled transversely, with 2 very deep fovee on each side at the base, the inner one largest; elytra deeply striated, striae obscurely crenate; 1 impression on the 3d, 2 on the 2d; tips of palpi and the claws rust-coloured. (L. 9-11 l.) Abundant at Coombe Wood in spring: Parley Heath, Hants, &c. and in Scotland: ♀, ♂.

57 Abax Bonelli.

246 Striola Fab. E. i. 188. — Pz. F. xi. f. 6. — Ste. M. i. 125. — Shining black: head and thorax faintly wrinkled, the former with several elevated lines near the eyes, the latter with 2 deep elongate impressions near the hinder angles; elytra oblong-ovate, very deeply striated, the striae simple; claws and palpi rusty: ♀ with elytra rather obscure, striae fainter and interstices flat. (L. 8-10 l.) Abundant, especially in Epping Forest in spring: also in Northumb. and in Scotland.

58 Cheporus Latreille.

247† metallicus Fab. E. i. 101. — Pz. F. xi. f. 7. — Ste. M. i. 125. — Black: thorax shining brass, with 2 impressed lines at the base; elytra also brilliant brass or coppery, faintly striated, with 2 discoidal impressions; legs pitchy black. (L. 6 l.) Said to be taken in Cambridgeshire.

59 Oödes Bonelli.

248 Hclopoides Fab. E. i. 196. — Pz. F. xxx. f. 11. — Ste. M. i. 125. —
Black: thorax smooth, without foveae; elytra oval, obsoletely punctate-striated, with 2 minute impressions on the 3d interstice; body punctate beneath on the sides; tarsi pitchy. (L. 4½ l.) Not common: Battersea fields; Hackney marshes; Whittlesea Mere; Abbot's Ann, Hants; Amesbury, Wilts; Carlisle, &c.: 3-5.

60 Amara Bonelli.

249 eurynota Ill. K. i. 167.? — Ste. M. i. 127. — Am. acuminata Stu. D. F. vi. pl. 143. f. c. C.?—Oval; above brassy, brassy-black, coppery, black, or bluish, sometimes with greenish elytra: antenna with the 3 basal joints red; thorax on each side with 2 impunctate foveae; elytra simply striated, the apex slightly acuminated, and the striae deeper; legs black. (L. 4-6 l.)


250 similita Gyll. ii. 138. — Ste. M. i. 128. — Am. obsolata Stu. D. F. vi. pl. 145. f. a. — Oblong-ovate; black; above brownish-brass: thorax with 2 shallow, slightly punctulate foveae at the base on each side, the inner 1 deepest; elytra striated, the striae deepest near the apex; tibiae dull red; antennae with 3 basal joints red. (L. 3½-4½ l.) London; Bottisham; Kimpton; Edinburgh; &c.: 2-6.

251 obsolata De J. S. iii. 469. — trivialis Duft. ii. 116.? — Stu. D. F. vi. pl. 145. f. B. — Ste. M. i. 129. Obs. — Oval; black; above brassy, or greenish: thorax behind with a single very obscure impunctate fovea; elytra striated, the striae deep at the apex; legs pitchy-black; 3 basal joints of the antennæ red. (L. 3½-4½ l.) Near London, occasionally: 3-6.

252 ovata Fab. E. i. 196.? — Stu. D. F. vi. pl. 144. f. B. — Ste. M. i. 129. — Short, ovate; black, above brassy: thorax convex, with an oblique impressed line on each side at the base; elytra green-bronze, finely striated, the striae extending to the apex; legs, palpi, and antennae wholly red. (L. 3½ l.) Near London: 4.

253 trivialis Gyll. ii. 140. — Ste. M. i. 129. — De J. Ic. iii. pl. 160. f. 6. — Oblong-ovate; above very glossy bright-brass, rarely bluish or black: thorax behind with a very deep simple puncture or fovea; elytra faintly striated, especially at the apex; tibiae and 5 basal joints of antennæ red. (L. 3½-4 l.) Abundant throughout Britain: ♂, ♀.

254 vulgaris L. ii. 672. — Ste. M. i. 128. — De J. Ic. iii. pl. 160. f. 5. — Oblong-ovate; black; above brassy: thorax behind, with 2 shallow smooth striæ at the base on each side; disc faintly wrinkled; elytra striated, the striae deep at the apex; legs and antennæ black: the basal, and sometimes the 2d, joint pitchy, or reddish beneath. (L. 4½-4½ l.) Occasionally near London; Bottisham; Southend; Kingston; Scotland, &c.: 4-6.

255 spreta De J. Ic. iii. 248. pl. 161. f. 1. — Oblong-ovate; brassy above: thorax narrowed in front, and on each side at the base are 2 oblong, distinct impressions, which are faintly punctate; elytra finely striated, the striae slightly punctate; tibiae dull red; antennae with the 2 basal joints red. (L. 3½-4½ l.) Rare: at Hertford: 6.

256 curta De J. Ic. iii. 253. pl. 161. f. 5. — Short, ovate; above blackish-brass: thorax rather narrowed in front, with 2 obscure punctured foveae on each side at the base; elytra faintly striated, the striae deepest at the apex;
tibiae dull red; antennæ with the 2 b. sal joints red. (L. 3-3½ l.) Also rare; near London: 6.

257 nitida *Stu. D. F*. vi. 35. pl. 142. f. B. — *Ste. M.* i. 120. — Short, ovate; black; above brassy, or greenish-brass: thorax with a single smooth impressed line on each side touching the margin; elytra striated, the striae deep at the tip; tibiae, palpi, and 3 basal joints of the antennæ red. (L. 3½ l.) Near London, and in Norfolk: 3-6.

258 laevis *Stu. D. F*. vi. 34. pl. 142. f. A. — *Ste. M.* i. 130. — Broad; black; brassy-green, or bluish above: thorax behind with 2 punctate foveæ at the base, on each side, the outer 1 faintest; elytra rather faintly striated at the apex; legs and 3 basal joints of antennæ red. (L. 3½ l.) Near London, and in Dorset: 3-6.

259 cursor *Stu. D. F*. vi. 57. pl. 146. f. D.? — *Ste. M.* i. 130. — Oblong-ovate; black; above shining bronzed-green: thorax on each side behind with 1 short slightly impressed line, near the margin; elytra distinctly punctate-striated; legs, 4 basal joints of the antennæ, and the base of palpi red. (L. 3 l.)

Var. *Am. familiaris* *Dust*. ii. 119. — *Ste. M.* i. 133. — Thorax with 2 obscurely punctate foveæ at each hinder angle; 3 basal joints of antennæ red. Common throughout Britain: ♀ ♂.

260 obtusa *Ste. M.* i. 132. — Short, ovate; black; above brassy-green: thorax dilated in front, rather narrowed behind, with two punctate foveæ on each side at the base; elytra punctate striated; tibiae and 3 basal joints of antennæ red. (L. 3½ l.) Near London: 5-6.

261 atricornis *Stu. D. F.* vi. pl. 146. f. B. — *Am. lateascens* *Ste. M.* i. 132. — Broad; ovate; black, glossy: thorax with its sides gradually and equally rounded, the base faintly punctate towards each angle, but without any foveæ; legs pitchy; tibiae and tarsi paler; the anterior tibiae dusky at the apex; 3 basal joints of antennæ red. (L. 3½ l.) Near London: 5-6.

262 latidens *Ste. M.* i. 133. — Short; ovate; pitchy; above brassy: thorax very broad, wholly smooth and impunctate; elytra faintly striated; legs and antennæ pitchy, the 3 basal joints of the latter reddish. (L. 3½ l.) Near London: 4-5.

263 communis *Fab. E.* i. 195. — *Ste. M.* i. 133. — *De. J. Ic*. iii. pl. 161. f. 3. — Ov. 1; black, above greenish-brass: thorax wide, thickly punctured towards the hinder angles, and with 2 obscure rudimentary foveæ; elytra delicately striated; deepest at the apex; tibiae and 3 basal joints of antennæ red. (L. 3-3½ l.) Abundant every where in Britain: ♀ ♂.

264 convexior *Ste. M.* i. 131. — Rather convex; glossy blue-black above: thorax obsolescently punctate at the hinder angles, and with 2 obscure foveæ, approximating to each other and to the margin; elytra faintly striated; tibiae red; antennæ pitchy, with the 3 basal joints red. (L. 3½ l.) London; Hertford; Norwich, &c.: 3-6.

265 lucida *Dust*. ii. 121. — *Ste. M.* i. 134. — Oblong-ovate; black; above pitchy with a bluish tinge: thorax behind obscurely foveolated, the lateral margins reddish; elytra faintly striated, especially at the tip; legs entirely, and 3 basal joints of the antennæ red. (L. 2½ l.) Rare; near London: 4-6.

266 atra *Ste. M.* i. 134. — Oblong, very convex: deep obscure black: thorax transverse, with 2 somewhat punctate foveæ on each side at the base, the inner 1 rather deepest; elytra faintly striated, the reflexed margin brassy; legs elongated; femora brassy; tibiae, tarsi, and 3 basal joints of antennæ red. (L. 3 l.) Near London: 4.

267 erythropa *Marsh*. — *Ste. M.* i. 134. — Oblong-ovate; bl.ck; above bluish or green: thorax smooth behind, and with 2 obscure smooth foveæ on each side at the base; the lateral margins black; elytra faintly
striated to the apex; legs and antennae rusty-red, tips of the latter dusky. (L. 2 3/4-3 l.) Hampstead Heath, Hertford, &c.: 3-6.

268 tricuspis Gyll. F. 1. 168. — Ste. M. i. 135. — De J. Ic. iii. pl. 262. f. 2. — Oblong-ovate; convex; above brassy, or bluish; thorax on both sides with 2 deep impressions; elytra punctate-striated, faintly at the apex; tibiae and 3 basal joints of antennae red; colour above, varying from blue to violet, brassy, coppery, or black. (L. 2 3/8 l.) London district; Bottisham; banks of Tees; Edinburgh, &c.: 3-7.

269 tricuspis De J. Ic. iii. 252. pl. 161. f. 4. — Oblong-ovate; obscure brassy-green; thorax with 2 obscure foveæ on each side at the base, hinder angles rather acute; elytra faintly punctate striate; 4 basal joints of the antennae testaceous; tibiae and tarsi dull red; anter. tibiae with the apical spine trifid. (L. 3 3/4 l.) Isle of Wight, near Ryde: 5-7.

270 plebeia Gyll. ii. 141. — Ste. M. i. 132 — De J. Ic. iii. pl. 161. f. 2. — Oblong-ovate; glossy brass: thorax on each side at the base punctulated, and with 2 punctate striae; elytra faintly punctate-striated; tibiae and 3 basal joints of antennae red; spine at tip of anterior tibiae 3-cuspid. (L. 3-3 1/4 l.) London: 3-6.

271 patricia Duft. ii. 110. — De J. Ic. iii. pl. 267. f. 3. — Oblong-ovate; convex; above pitchy-black; thorax punctulated behind, and with 2 punctured striae on each side; elytra punctate-striated; antennae and legs red. (L. 4 1/2 l.) Rare: near London. 6.

§ B. — Celia Zimmerman.

272 ingenua Duft. ii. 110. — Am. lata Stu. D. F. vi. pl. 140. f. R. — Ste. M. i. 127. — Oblong-ovate; blackish-brass: thorax faintly punctate behind, and with 2 smooth foveæ on each side at the base; elytra rather wide, faintly punctate-striate; legs and base of antennæ pitchy-red; tip of the latter fuscous. (L. 4-5 l.)


273 municipalis Duft. ii. 113.? — Am. modesta De J. Ic. iii. pl. 163. f. 3.? — Oblong-ovate; above black-brass: thorax transverse; rather narrower than the elytra; with 2 punctate foveæ behind on each side, the hinder angles acute; elytra faintly striated, the striae obscurely punctate; legs and base of antennæ red. (L. 3-3 1/4 l.) Near London, rare: 5-6.

274 bifrons Gyll. ii. 144. — Ste. M. i. 130. — Am. brunnea Stu. D. F. vi. pl. 146. f. C. — Oblong-ovate; pitchy-red, above brassy-black or bluish; thorax with 2 foveæ on each side and punctate behind, the lateral margin and hinder angles rusty; elytra punctate-striated; antennae and legs rusty. (L. 3 l.) Hertford and Norfolk: 4-6.

275 infima Duft. ii. 114. — Ste. M. i. 135. — De J. Ic. iii. pl. 161. f. 1. — Oblong-ovate, rather convex; brassy-black: thorax transverse, with 2 punctate foveæ on each side at the base, and punctured behind; the lateral margins, and sometimes the basal, tinged with rusty-red; antennae and legs red. (L. 2-2 1/2 l.) Near London, and in Norfolk: 3-6.

§ C. — Acrodon Zimmerman.

276 brunnea Gyll. ii. 143. — Ste. M. i. 131. — De J. Ic. iii. pl. 163. f. 4. — Ovate, pitchy; above brassy-brown: thorax large, broad, the angles obtuse; the base faintly punctate, with 2 small punctate foveæ; elytra ovate, deeply punctate-striate; antennæ and legs pale red. (L. 3-3 1/4 l.)

Var.? Am. discrepans Marsh. — Ste. M. i. 131. — Thorax less ample, with 2 short punctate lines near the hinder angle; elytra with the striae rather crenate; the interstices flat. Near London, and Bottisham: 8-5.
61 **Bradythus Stephens.**

277 crassus *Ste. M.* i. 131. — Pitchy-brown, rather glossy; paler beneath: thorax faintly wrinkled transversely, the base punctate, with 2 deeply punctured fovee on each side; elytra punctate-striated; antennae, palpi, and legs pitchy-testaceous. (L. 4. 1.) Near London: 4.

278 marginatus *Curtis?* — *Ste. M.* v. 379. — Black, shining: thorax broad, edged with red, especially on the sides, punctate on both sides at the base, and with a deep punctured fovee; elytra crenate-striated; legs, palpi, and antennae rusty-red. (L. 4 l.) Occasionally near London: 3-5.

279 consularis *Duf. ii.* 112. — *Stu. D. F.* vi. pl. 139. f. A. a. — *Ste. M.* i. 136. — Black, shining; pitchy beneath: thorax behind punctured, and with 2 striae on each side, the hinder angles rather acute; elytra somewhat ovate, with a brassy tinge, crenate-striate; antennae and legs red. (L. 3-3 1/2 l.) About London, and at Winterborne Stoke: 3-5.

280 apricarius *Fab. E.* i. 205. — *De J.* i. ii. pl. 168. f. 3. — *Ste. M.* i. 137. — Pitchy-red; above brassy-brown: thorax behind punctured, and with 2 punctated fovee on each side, the hinder angles acute; elytra oblong-ovate, deeply crenate-striated; legs and antennae pitchy-red. (L. 3-3 1/2 l.) Near London; banks of Tees; Wilts and Hants, common: also Norwich and Scotland.

281 torridus *Ill. K.* i. 173. — *Pz. F.* xxxviii. f. 2. — *Ste. M.* v. 379. — Oblong, generally pitchy-black above, paler beneath: thorax with its sides rounded, the base faintly punctured, and with 2 short punctate striae on each side; elytra somewhat parallel; punctate-striate; legs fuscous; antennae red. (L. 3 1/2 l.) About Scotland: 7.

282 ferrugineus *L.* ii. 672. — *Pz. F.* xxxix. f. 9. — *Ste. M.* i. 137. — Broad, ferruginous, with a brassy tint above: thorax faintly wrinkled transversely, behind punctulate, and with two slightly punctate fovee on each side, hinder angles rather acute; elytra short, punctate-striate; legs, palpi, and antennae pale rust-colour. (L. 4-5 l.)

Var.? Ca. fulvus *Ill. K.* i. 172. — *Pz. F.* xxxix. f. 10. — *Ste. M.* i. 137. — Smaller and narrower; colour paler: thorax and elytra less deeply sculptured. (L. 3 1/2 l.) Ripley; Hertford; Swansea; Devon; Norfolk, &c.: 4-7.

62 **Curtonotus Stephens.**

283 convexiusculus *Marsh.* i. 462. — *Ste. M.* i. 158. pl. 8. f. 1. — Elongate; pitchy-black, with a brassy tinge above: thorax depressed behind and punctured, and on each side near the angle 2 ruggedly punctate fovee; elytra somewhat parallel, striate, the striae punctured anteriorly; antennae, legs and palpi pitchy-red. (L. 5-5 1/2 l.) On hedges &c. South Lambeth, Darenth Wood; Southend; banks of the Tees, &c.: 4-7.

284 piceus *Fab. E.* i. 181. — *Cu. aulicus* *Ste. M.* i. 139. — *De J.* i. iii. pl. 170. f. 1. — Short; ovate, pitchy-black, or pitchy; paler beneath: thorax punctate at the base and apex; the former depressed and with 2 impressed striae on each side near the angles; elytra ovate, deeply punctate-striate throughout; legs, antennae, and palpi pitchy-red. (L. 5-6 1/2 l.) Hedges and banks near London: Ely; Bottisham; Kimpton; banks of Tees, &c.: 4-8.

63 **Zabrus Claireville.**

285 gibbus *Fab. E.* i. 189. — *Clairv.* ii. 82. pl. 11. f. A. B. — *Ste. M.* i. 140. — Oblong; convex; reddish-pitchy; above black, with a brassy hue: thorax punctured behind, the hinder angles somewhat acute, and with an obscure fovea; elytra very convex, punctate-striated; antennae, palpi, tibiae and tarsi pitchy-rust-colour. Suture and margin of elytra sometimes rust-
GEODEPHAGA. — HARPALID.E.

colour; and legs, antennae and palpi blackish. (L. 5-7½ l.) In cornfields, on the ears of corn, at Hastings; Worthing; Brighton; Cambridge; Kimpton; in Ireland, &c. : 6-8.

(286) obsus Latreille. — Cur. iv. pl. 188. — Ste. M. i. 141. — Robust, very convex; pitchy, above black with a brassy tinge; thorax with the hinder angles obtuse, and a punctured fovea on each side, near the base; elytra slightly brassy, faintly punctate-striate; legs, antennae and palpi dull chestnut. (L. 7½ l.) Said to occur in Devon.)

64 HARPALUS Latreille.

A. Hinder angles of thorax obtuse: elytra sinuate-truncate at tip.

1. Thorax not narrowed behind: body short, more or less convex.

287 serripes Schöhn. S. i. 199. pl. 3. f. 4. — Ste. M. i. 142 — Oblong-ovate, slightly convex; deep opaque black: thorax faintly wrinkled, a little narrowed in front, with an obsoletely punctulated fovea on each side at the base; elytra slightly striated; legs pitchy; tibiae with strong black spines; antennae and palpi rust-coloured with the base pitchy. (L. 5¼ l.) On shores of Thames below Gravesend; Southend; Isle of Wight: 4-6.

288 stygius Wilkin. — Ste. M. i. 142. — Very convex; black, somewhat opaque; thorax with a deep impunctate fovea on each side at the base; remote from the hinder margin; elytra simply striated; legs wholly black; antennae with the basal joint and tips of the others pitchy-red, not black; palpi black, with tips of the joints tawny. (L. 4½ l.) Near Southend and on the coasts: 3-7.

289 tardus Ill. K. i. 168. — Pz. F. xxxvii. f. 17. — Ste. M. i. 142. — Oblong-ovate, shining black: thorax smooth, slightly narrowed in front, with a fovea on each side at the base; posterior angles rather straight; elytra striated, the striae obscurely punctured; legs pitchy testaceous; tibial spines reddish; antennae tawny, the base of several of the joints black; palpi also fuscous, black at the base; tarsi rust-coloured. (L. 4½ l.) Near Southend and on the coasts: 3-7.

290 rufimanus Marsh. i. 441. — Ste. M. i. 143. — Rather depressed; black, shining; thorax with a transverse impression behind, terminating, on each side, in a broad, shallow, obscurely punctured fovea; elytra simply striated; legs pitchy-black; tarsi and claws red; antennae and palpi tawny-red. (L. 4½ l.) Abundant in gravel pits near London; occasionally near Edinburgh: 

291 fuliginosus Duft. ii. 83. — Stu. D. F. iv. 92. pl.f. F. D. — Ste. M. i. 143. — Slightly depressed, broad; thorax very obsoletely punctate behind, with a faint marginal fovea on each side at the base; elytra simply striated; legs testaceous-red, the thighs and tips of the tibiae dusky or black; antennae and palpi rust-coloured. (L. 4½ l.) London and Southend in spring.

292 latus L. ii. 672. — Scheff. Ic. 194. f. 7. ? — Ste. M. i. 143. — Broad, depressed; black: thorax with a distinct impunctate stria on each side, touching the hinder margin; elytra slightly striated; legs red; thighs and tips of the tibiae pitchy; antennae and palpi wholly red. (L. 4½ l.) Sand and gravel pits near London and Southend: 4-7.

293 fuscipalpis Stu. D. F. iv. 66. pl. 88. f. b. B. — Ste. M. i. 144. — Slightly convex; black: thorax with a transverse impression behind, terminating on each side in a simple foveola; elytra simply striated; thighs black; tibiae and tarsi wholly rusty-red; antennae fuscous, with basal joint red; palpi black. (L. 4½ l.) Occasionally near London: 3-5.

294 atricornis Ste. M. v. 379. — Flattish; shining black: thorax behind, with a simple stria on each side towards the angle; antennae black, with the
basal joint and the palpi pitchy. (L. 3-3½ l.) Near Windsor, and Glamorganshire: 3-5.

2. Thorax not narrowed behind: body depressed, elongate-ovate.


296 piger Duft. ii. 104. — Stur. D. F. iv. pl. 82. f. c. C. — Ste. M. i. 144. — Shining black: thorax with a very faint transverse impression at the base; elytra very slightly and simply striated; thighs black; tibiae and tarsi pitchy-red; tips of the latter dusky; antennae rust-colored, the base red, and several of the following joints black at the base. (L. 3-3½ l.) Near London; Dorking; Southend, &c.: 3-6.

297 anxius Duft. ii. 101. — Stur. D. F. iv. pl. 89. f. b. B. — Ste. M. i. 144. pl. 8. f. 2.—Ovate; black: thorax with slightly punctulate impressed line at the base on each side; elytra faintly and simply striated; legs robust; thighs and tibiae black, or pitchy; tarsi paler; palpi testaceous; antennae rust-coloured; margin and hinder angles of thorax sometimes rust-coloured; and some of the terminal joints of the antennae are often black at the base. (L 3⅔-4 l.) Common on coasts of Glamorg.; and at Southend: 3-5.

298 femoralis Ste. M. i. 145. — Shining black: thorax with a smooth longitudinal impression on each side at the base; elytra deeply but simply striated; legs pitchy-black; the hinder thighs elongated; antennae pitchy-brown; palpi red, with base of joints black. (L. 3½ l.) Swansea: 4-5.

299 coracinus Stur. D. F. iv. 45. pl. 84. f. A. a.? — Ste. M. i. 145. — Pitchy-brown; thorax with a transverse impression at the base, terminating on each side in a rather smooth line; lateral margins and hinder angles rusty-red; elytra with a chestnut hue, faintly and simply striated; tarsi and claws reddish; antennae and palpi pitchy-red, or tawny. (L. 3⅔-4 l.) On the coasts of Suff., Norf., and Essex: 3-6.

300 flaviventris Stur. D. F. iv. 47. pl. 84. f. B. — Ste. M. i. 145. — Pitchy-brown; beneath pale-yellowish-testaceous: thorax as in H. anxius, faintly and simply striated; legs, palpi, and antennae very pale-yellowish-testaceous, the latter dusky at the tip. (L. 3⅔-4 l.) On the shores of the Thames, near Gravesend; and of the Severn: 5-6.

3. Thorax very wide behind: body broad, flattened.

301 thoracicus Leach. — Ste. M. i. 145. pl. 8. f. 3. — Shining black: thorax bluish, roughly punctured and sinuated behind; elytra striated, the 3d interstice from the margin with 6-8, the 5th with 1-2 or 3, and the 8th (or 2d from suture) with 1 impression at apex; claws and basal joints of antennae red. (L. 5½-6 l.) Scarce; London district; Leith Hill; Brighton; Cuckfield; Steeple Ashton, Oxon; Thruixton, Hants, &c.: 3-6.

302 Melampus Duft. ii. 96. — Stur. D. F. iv. 19. pl. 80. f. b. — Ste. M. v. 379. — Wide, shining black: thorax ruggedly punctured and impressed behind; the base waved; elytra striated; striae faintly punctured, the alternate ones with numerous impressions at the apex; antennae with the basal joint red. (L. 6-7 l.) London and Isle of Portland: 3-5.

303 depressus Duft. ii. 73. — Stur. iv. 15. pl. 80. f. A. — Ste. M. i. 146. — Rather narrow: shining black: thorax slightly narrowed in front, punctate and straight behind; elytra striated; the 3d and 5th marginal interstices with 3 punctures, and the others with 1; basal joints of antennae red. (L. 6 l.) Near Windsor: 4.
4. **Thorax narrowed behind.**

304 cupreus *De J. S.* iv. 281. — *Ste. M.* i. 146. pl. 8. f. 4. — Robust, somewhat convex; pitchy-black, shining, above glossy green; thorax ruggedly punctured behind, with a deep rough fovea on each side near the angle; elytra rich green, with the suture brownish-brass; deeply striated, the striae faintly punctured, the short sutureal one rather longer than usual; 3d marginal interstice with a few impressions. (L. 6 l.) Rare: on shores of Thames, below Gravesend: 4-6.


306 rubripes *Gyll.* ii. 118. — *Stu. D. F.* iv. pl. 86. f. a. A. — *Ste. M.* i. 147. — Broad; black, above blue or green: thorax with an obscure punctured fovea on each side at the base, its sides black; elytra faintly striated, the 3d interstice from the margin with 5 or 6 deeply impressed dots towards its tip; legs, antennae and palpi testaceous-red. (L. 4½-5½ l.) Gravel-pits round London, (Coombe, &c.); Southend; Ipswich: 4-7.

307 azureus *Fab. E.* i. 196. — *Stu. D. F.* iv. pl. 83. f. C. — *Ste. M.* i. 147. — Rather elongate; black, above blue-black, rarely greenish: thorax obscurely striate behind, with very obsolete foveae at the angles; elytra moderately striated; with about 3 faint impressions at the tip of the 3d interstice from the margin; antennae, palpi and legs bright red. (L. 5 l.)


308 marginellus *Ziegler.* — *Ste. M.* i. 148. — Broad, somewhat convex; glossy black: thorax and elytra slightly tinted with violet, the former with the sides tawny, and a fovea at each hinder angle; elytra faintly striated, with 7-8 impressions on the 3d interstice at the tip; antennae, palpi and legs tawny. (L. 4½-5 l.) Near London; Ipswich; Swansea, &c.: 3-6.

309 fulvipes *Stu. D. F.* iv. 58. pl. 86. f. c. — *Ste. M.* i. 148. — Rather elongate and depressed; pitchy-black; ♀ a little tinted with greenish above: base of thorax towards the hinder angles slightly punctate, and with a roughish fovea on each side; elytra deeply striated, the 3d interstice from the margin with several obscure impressions, the edge itself thickly punctured at the tip; antennae and legs bright tawny. (L. 4½-5½ l.) Near London, and in Cambs: 4-6.

310 punctiger *Ste. M.* i. 149. — Pitchy-black, without any tinge of bluish or green; antennae and legs concolorous with the body: elytra striated, the 3d interstice from the margin with numerous distinct impressions. (L. 4½-5½ l.) Occasionally found near London; Salisbury; &c.: 4-6.

311 ruficeps *Oesky.* — Cur. x. pl. 458. — *Ste. M.* v. 380. — Ochreous, with a chestnut tinge: head entirely reddish chestnut; thorax black with chestnut margins; elytra black, the lateral margins chestnut; legs, palpi and antennae pale ochreous. Probably a var., or rather immature state, of the foregoing species. (L. 5 l.) Isle of Man, and coasts of Lancashire and Isle of Wight: 4-7.

312 nigrocæruleus *Ste. M.* i. 149. — Broad, rather flat; shining black; above obscure violet or blue; thorax impunctate behind, but with 2 deep foveae; elytra moderately striated, the apex of the 3d interstice from the margin with several impressions; thighs and tips of the tibiae pitchy-black, base of the latter and tarsi pitchy-red; antennae tawny. (L. 4½-5½ l.) London district; near Cambridge, &c.: 3-5.
313 subsinuatus *Duft.*, ii. 80. — *Stu. D. F.* iv. pl. 85. f. B. — *Ste. M.* i. 149. — Rather convex; pitchy-black: thorax smooth, slightly punctate towards the hinder angles, which have each a short stria; posterior margin somewhat waved; elytra moderately striated; body beneath, legs, antennæ, palpi and mandibles rusty-red. (L. 5 l.) Near London: 3-5.

314 acuminatus Waterhouse — *Ste. M.* v. 380. — Shining black: thorax punctate behind; the lateral margin narrowly testaceous; elytra finely and deeply striated, considerably narrowed behind; legs, antennæ and palpi testaceous-red. (L. 6 l.) Near London; Windsor and Gravesend: 4-6.

315 lateralis *Stu. M.* v. 380. — Deep glossy black: head small; thorax with 2 punctate foveæ behind, the lateral margin red; elytra finely striated, the outer margins narrowly edged with red; legs pitchy-red; antennæ and palpi clearer red; labrum pitchy, its margins red. (L. 4 l.) Near London: 4.

316 limbatis *Duft.* ii. 84. — *Stu. D. F.* iv. pl. 85. f. a. A. — *Ste. M.* i. 149. — Glossy-black, ♂ sometimes tinged with bluish, ♀ always black and duller; thorax with a subpunctate fovea on each side, the lateral margins more or less broadly testaceous-red; elytra slightly striated, the 3d marginal interstice punctate; body beneath pitchy or rust-coloured; legs, antennæ and palpi dull-red. (L. 4-4½ l.) Near London; Southend; Bot-tisham; York; Scotland, &c.: 3-6.

317 lentus *Stu. D. F.* iv. 28. pl. 82. f. a. A.? — *Ste. M.* i. 150. — Short, broad, convex; black, slightly shining: thorax slightly wrinkled on the disc, a faint transverse line behind, terminating on each side in a slightly rugose fovea; the lateral margin rufescent; elytra faintly striated; body beneath and legs rusty-red; antennæ and palpi pale rust-colour. (L. 4½ l.) Near London: 3-4.

318 perplexus *De J. S.* iv. 314. — *Ste. M.* v. 380. — Oblong; pitchy-black: thorax 4-drate, punctate behind, and slightly foveolated near each angle, the latter straight; elytra striated, with a greenish hue in the ♂, the 3d interstice from the suture with a deep impression; antennæ and legs red. (L. 4½ l.) Near London: 4-6.

319 annulicornis Kirby. — *Ste. M.* i. 150 — Deep shining black: thorax slightly wrinkled transversely, with a deep and rough fovea on each side at the base; elytra deeply striated, with several impressions at the apex of the 2d interstice from the margin; legs pitchy-black; cilia reddish; antennæ and palpi tawny, annulated with black, the terminal joints of the former spotless. (L. 4-4½ l.)


Var.? Ha. maculicornis Waterhouse. — *Ste. M.* v. 381. — Glossy black: thorax with a deep punctured fovea on each side at the base; elytra simply striated; legs and palpi fuscous: antennæ testaceous-red, with several of the joints black at the base. (L. 4 l.) Near London: 3-5.

320 notatus Kirby. — *Ste. M.* i. 151. — Black, shining: thorax with a deep transverse impression behind, terminated by 2 deep rugged foveæ on each side; elytra slightly tinted with blue, moderately striated, with a few impressions at the apex of the 3d interstice from the margin; anterior and intermediate tarsi pitchy-red; antennæ and palpi rusty-red; 2d, 3d, and 4th joints of former black at the base. (L. 4½ l.) Near London and in Suffolk: 3-5.

321 picellabris Waterhouse. — *Ste. M.* v. 381. — Narrow; black, slightly glossy: thorax with a single impunctate stria on each side behind; elytra
finely striate; legs and labrum pitchy; antennae and palpi red. (L. 4½-5 l.)

Near London and Windsor: 4-5.

322 obscuricornis Megele. — *Stu. D. F.* iv. 67. pl. 87. f. B. — *Ste. M.* i. 151. — Short, broad; black, slightly shining: thorax faintly wrinkled transversely, with an obscure slightly punctulate fovea on each side, on the hinder margin; elytra faintly striated, 3d marginal interstice impunctate; thighs black; tibiae and tarsi reddish; the former dusky at the tip; antennae blackish at the base, the apex tawny; palpi rust-colour. (L. 4 l.)

Near Dover: 6.

323 nigripalpis Waterhouse. — *Ste. M.* v. 381. — Black; rather glossy: thorax with a simple impressed stria on each side behind; palpi jet black; tarsi pitchy; antennae pitchy-black, with the base of a few of the joints darker. (L. 4 l.) Near Windsor and London: 4-6.

324 nigricornis *Ste. M.* v. 381. — Black, rather glossy: thorax with a broad punctured fovea on each side at the base; elytra rather deeply striated, the striae obscurely punctured; legs and antenna pitchy-black; palpi pitchy, with the tip red. (L. 4½ l.) Near London: 3-4.

325 rufipalpis *Stu. D. F.* iv. 70. pl. 89. f. a. A. — Black, somewhat shining; thorax with a simple impressed line at the base on each side; elytra faintly striated, the 3d interstice from the margin with 2 impressions; tarsi pitchy; antennae tawny, the 2d, 3d, and 4th joints blackish at the base; palpi tawny, the base dusky. (L. 4½ l.) Near London: 3-4.

326 attenuatus *Ste. M.* i. 152. — Narrow; elongate; shining black: thorax very narrow behind, with a deep punctate fovea on each side; elytra faintly punctate-striated; thighs pitchy; tibiae, tarsi, antennae and palpi bright rusty-red. (L. 4 l.) On banks of Thames; at Southend and near Dorking: 3-5.

327 culiciculins *Duft.* ii. 87. — *Stu. D. F.* iv. pl. 87. f. B. b. — *Ste. M.* i. 152. — Shining black: sides of the thorax rounded, base rather waved, impunctate, with a faint stria on each side, touching the edge; elytra bluish, finely striated, the 3d interstice from the margin with 1 or 2 impressions; legs pitchy; tarsi red; antennae and palpi bright rust-colour; the base of the 2d, 3d and 4th joints of the former black. (L. 3½ l.) Near London: 5.

328 servus Creutzer.? — *Stu. D. F.* iv. 73. pl. 89. f. c. — *Ste. M.* i. 152. — Narrow; pitchy-black, glossy: thorax with a short, faintly punctate stria on each side at the base, touching the hinder margin: elytra finely striated, the 3d marginal interstice not punctured; legs pitchy; tarsi, palpi and antennae rust-colour. (L. 3 l.) In Devonshire: 4.

329 luteicornis *Duft.* ii. 86.? — *Stu. D. F.* iv. pl. 87. f. A. — *Ste. M.* i. 153. — Shining black: thorax transversely punctate behind, with an oblong thickly punctured fovea on each side; the lateral margins, and sometimes the posterior, reddish; elytra with the lateral margins and tip rusty-red; finely striated; legs, palpi and antennae pale-red. (L. 3½ l.) N. coast of Devon, and near Swansea: 3-5.

330 nitidus *Stu. D. F.* iv. 40. pl. 83. f. B. — *Ste. M.* i. 153. — Black; above glossy-green: thorax with a punctured fovea on each side at the base; elytra faintly striated, the 3d interstice with 1 or 2 impressions; legs pitchy; base of tibiae and the tarsi pitchy-red; antennae and palpi red. (L. 4½ l.) In Devonshire: 4.

331 ignavus Creutzer. — *Stu. D. F.* iv. 44. pl. 83. f. D. — *Ste. M.* i. 153. — Black; above glossy-blue: thorax with a smooth stria on each side at the base; elytra finely striated; the 3d marginal interstice impunctate; legs pitchy-black; tarsi red; antennae and palpi tawny. (L. 4½ l.) On the Devonshire coast: 4.
B. Hinder angles of thorax obtuse: elytra deeply notched at the tip.

332 æanes Fab. E. i. 197. — Pz. F. lxxv. f. 3 and 4. — Ste. M. i. 155. — Black; above brassy-green, coppery, blue or violet, shining: thorax with a punctate fovea on each side behind; elytra highly polished in the 3, obscure and granulated in the 5, faintly striated, the interstices flat, the marginal ones more or less thickly punctuated. (L. 4-5 l.)

Var. Ca. discolor Marsh. i. 450. — Ferruginous beneath (immature).
Var. Ca. azureus Marsh. i. 450. — Black, with the upper surface rich blue.
Var. Ha. æncopeicus Kirby. — Ste. M. i. 156. — Elongate, thorax slightly narrowed behind; colour above pitchy-brass.
Var. Ha. dentatus Kirby. — Ste. M. i. 156. — Short, broad, flat; thorax rough at the base; elytra very deeply excised; above pitchy-brass.
Var. Ha. subceeruleus Ste. M. i. 157. — Short, broad; above of a rich black, or pitchy-blue: elytra faintly excised; legs sometimes pitchy.

C. Hinder angles of thorax acute.

333 caffer Duft. ii. 99. — Stu. D. F. iv. pl. 82. f. D.? — Ste. M. i. 157. — Pitchy-black; paler beneath: thorax with the lateral margins more or less red; the base with a broad punctured space; the angles with a deep rugged fovea; elytra finely striated; antennæ, legs, palpi and mandibles red, the latter tipped with black. (L. 5 l.) On coast of Norfolk: 3-5.

334 tenebruosus De. J. S. iv. 354. — Ste. M. i. 382. — Oblong; above bluish-black: thorax slightly foveolated behind, the foveole punctured; elytra moderately striated; tarsi and base of antennæ red. (L. 5 l.) On the coast of Sussex and Isle of Wight: 7.

335 ruftarsis Duft. ii. 82. — Ste. M. v. 381. — Shining black: thorax with a punctate fovea on each side behind; elytra finely striated; tarsi and basal joints of antennæ red. (L. 6 l.) Banks of Thames below Gravesend: 3-5.

336 calcicus Duft. ii. 81. — Stu. D. F. iv. pl. 81. f. a. — Black: thorax slightly narrowed behind and punctured, with a fovea on each side, touching the base; elytra deeply striated; antennæ and tarsi red. (L. 6 l.) Near Deal: 6.

337 ruficornis Fab. E. i. 180. — Stu. D. F. iv. pl. 76. f. a. — Ste. M. i. 158. — Pitchy-black: thorax with the margins, especially the hinder, thickly punctured, the base with a broad obscure fovea; elytra faintly striated, the interstices convex and very thickly punctulated, and clothed with a rich griseous pubescence; antennæ and legs red, or fuscous; rarely black. (L. 4½-7½ l.)


65 Anisodactylus De Jean.

338 pœciloides Ste. M. i. 154. pl. 8. f. 5. — Glossy black; above brilliant green, copper-colour, or rich blue: thorax behind rugged, and with a rugose broad shallow fovea on each side; angles rounded; claws reddish; antennæ fuscous, with the basal joint red beneath; palpi pitchy-black, the tips rust-coloured. (L. 5-5½ l.) Rather scarce; on the banks of the Thames below Gravesend: 3-6.
339 binotatus *Fab. E.* i. 193. — *Pz. F.* xei. f. 3. — *Ste. M.* i. 157. — Black, shining: thorax with the lateral and hinder margins thickly and roughly punctured, with a small fovea near each posterior angle; the latter acute; elytra deeply striated; interstices convex; legs pitchy-black; tarsi and claws reddish; or wholly red; antennae with the basal joint red; palpi reddish; forehead mostly with 2 distinct red dots. (L. 4 1/2 5 1/2 l.)

Var. ? Ha. spureaticornis *Ziegler.* — *Ste. M.* i. 157. — Rather more narrow; the elytra less deeply striated; hinder angles of the thorax more acute; antennae red at the base and apex, and forehead spotless. Common near London; Bottisham; Kimpton; in Suffolk; Norfolk; Devon, &c.

66 *Pangus De Jean.*


67 *Actephilus Stephens.*

341 vernalis *Duft.* ii. 102. — *Stu. D. F.* iv. 75. pl. 90. f. A. — *Ste. M.* i. 154. — Pitchy-black, slightly glossy: thorax with a minute obscurely punctate impression on each side at the base: elytra faintly striated, the outer margin rather pale rust-colour; legs dull rust-colour; tibiae and tarsi palest; antennae and palpi pale testaceous. (L. 2 1/2-3 l.) On the coasts of Norf., Suff., Ess., &c.: 3-6.

342 pumilus *Stu. D. F.* iv. 77. pl. 90. f. B.? — *Ste. M.* i. 155. — Black, slightly shining: thorax with a single stria at the base on each side; elytra faintly striated; legs black; antennae fuscous; their base and palpi red. (L. 3-3 1/2 l.) Also a littoral species: 3-7.

68 *Ophonus Ziegler.*

343 stictus *Marsham.* — *Ste. M.* i. 159. pl. 8. f. l. — Broad, black: thorax with hinder angles obtuse, not foveated; disc deeply punctate; head and elytra slightly punctate, the last faintly striated, the tip deeply excised; legs and antennae rusty-red. (L. 6 1/2-7 l.) Hackney Marshes; and near Darenth Wood: 3-6.

344 obscurus *Fab. E.* i. 192. — *Stu. D. F.* iv. pl. 92. f. A. — *Ste. M.* i. 160. — Pitchy-black: above black, the elytra slightly bluish, or greenish, faintly striated, interstices finely punctured; thorax orbicular, thickly and finely punctured; the base with a single deep fovea on each side; legs, antennae, and palpi rusty-red. (L. 4 1/2-6 l.) Gravesend; Southend; Kimpton; Dorking, &c.: 3-6.

345 Sabulicola *Fab. E.* i. 190. — *Stu. D. F.* iv. pl. 92. f. B. — *Ste. M.* i. 160. — Pitchy-black; above black, elytra bluish or greenish, faintly striated, interstices thickly punctured: thorax 4-drate, very coarsely punctate, the hinder angles with a very slight punctate fovea; antennae, legs, and palpi rusty-red. (L. 5-6 l.) With the preceding, but rare: 8-5.

346 punctatus *Duft.* ii. 89. — *Stu. D. F.* iv. pl. 93. f. D. — *Ste. M.* i. 160. — Rather wide, flat; pitchy-black, above brassy-blue; thorax 4-drate, its disc sparingly, and the margins thickly, punctate; hinder angles without foveae; elytra finely striated, interstices thickly punctured; antennae, legs, and palpi rusty-red. (L. 4 1/4-4 1/2 l.) Near Ripley, 7; and at Darenth Wood: 5-6.

347 nitidulus *Schr. A.* 213. — *Ste. M.* i. 161. — Elongate, slightly convex; black; above blue-green: thorax thickly and coarsely punctate, especially at the hinder angles, each of which has a slight fovea; elytra finely
striated, interstices thickly punctulate; antennae, legs, palpi, and labrum red. (L. 3½-4½ l.) Hertford, 7; Swansea; Norwich; Bottisham; Kimpton, &c.: 4-8.

348 azureus Ill. K. i. 51. — Ste. M. i. 161. — Ca. chlorophanus Pz. F. lxxiii, f. 3. — Pitchy-black; above rich blue, or greenish; thorax sparingly, but deeply and coarsely, punctate, especially towards the base, which is not foveated; the lateral margin reddish; elytra faintly striated; interstices thickly punctulate; legs, antennae, and palpi red; labrum pitchy-red. (L. 3-3½ l.) Darent Wood; Hertford; Kimpton; Leith Hill; Bottisham; Newmarket Heath; Isle of Wight, &c.: 6-10.

349 punctatissimus Ste. M. i. 162. — Ha. rupicola Stu. D. F. iv. 105. pl. 94. f. b.? — Pitchy-testaceous: head and thorax rusty-red above; the latter somewhat heart-shaped, thickly punctured throughout, especially near the hinder angles, which have a slight fovea; elytra with a greenish hue, finely striate, interstices minutely punctured; legs, palpi, and antennae pale red. (L. 3½-4½ l.) Near London; abundant at Southend: 4-6.

350 puncticollis Pk. F. i. 120. — Ste. D. F. iv. pl. 93. f. A. — Ste. M. i. 162. — Black, beneath pitchy: head sparingly punctate; thorax glossy black, disc slightly, and the base thickly and deeply, punctate; hinder angles with an obscure fovea; elytra striated; interstices finely punctulated; legs, antennae, and palpi pale red. (L. 2½-4½ l.)


351 subpunctatus Ste. M. i. 163. — Pitchy-black; shining; thorax with the disc impunctate, and faintly wrinkled, the hinder margin towards the angles slightly punctured; elytra faintly striate, interstices obscurely punctulated; legs and antennae pitchy. (L. 3½ l.) Near Dover, and at Dorking.: 5-6.

352 puncticeps Ste. M. i. 163. — Narrow, elongate, pitchy-black: head deeply and thickly punctured; thorax somewhat heart-shaped, the disc thickly and coarsely punctate, with a deep dorsal line; legs, palpi, and antennae testaceous-red. (L. 3½ l.) Near Dover: 6-7.

353 cribellum Leach. — Ste. M. i. 163. — Pitchy-black, paler beneath: thorax transverse, sides rounded, disc convex, thickly and deeply punctate, especially at the hinder angles, which have each a slight fovea adjoining; elytra rather dilated on the sides, faintly striate, the interstices thickly and coarsely punctate; legs and antennae clear red. (L. 2½-3½ l.) Near London, Dorking, and Dover.

354 levicollis Ste. M. v. 383. — Pitchy-black, paler beneath, thorax transverse, rounded on the sides; disc obscurely, but the sides thickly, deeply, and coarsely punctate; elytra faintly striated; interstices minutely punctulated; antennae and legs pale testaceous. (L. 2½ l.) On banks of Thames, below Gravesend: 5-6.

355 pubescens Pk. F. i. 124. — Ste. M. i. 164. — Pale rust-colour, or ochreous, very thickly punctured: head and thorax mostly with a black central line or blotch; elytra faintly striated, the striae obscurely punctate; the disc with a large common black patch, tinted in certain lights with blue; breast and abdomen pitchy-black; legs rust-colour, thighs sometimes pitchy at the base; antennae reddish, tip dusky. (L. 2½-3½ l.) Beneath rejectamenta of the Thames, at Gravesend, Southend, &c.; also on shores of the Tees; near Swansea, &c.: 4-7.

356 obsoletus De J. S. iii. 232. — Oblong-ovate; slightly pubescent; punctate; testaceous: thorax slightly heart-shaped, with an impression
on each side; elytra striated, with a large oblong pitchy-black patch; antennae and legs very pale testaceous. (L. 3-3½ l.) On the Kentish and Essex coasts: 5-6.

69 Diachromus Erichson.

357 germanus L. ii. 671. — Ste. M. i. 164. pl. 9. f. 1. — Pubescent; punctate; black: head, legs, and elytra testaceous, the latter striated, and with a large blue or violet patch towards the apex; thorax blue-black; antennae testaceous. (L. 14-4½ l.) Very rare: Kingsbridge, Devon: 6.

70 Stenolophus Ziegler.

358 vaporariorum Fab. E. i. 206. — Ste. M. i. 165. pl. 9. f. 2. — Oblong, black: thorax red: elytra faintly striated; testaceous; with a large common blue-black patch occupying the hinder portion; legs, palpi, and 2 basal joints of the antennae pale testaceous. (L. 2½-3¼ l.) Battersea Fields; Wandsworth Common; Brompton; and Fakenham, Norf.: 2-4.

359 Skrimshiranus Ste. M. i. 166. — Pitchy-black, above dusky-testaceous: head black; elytra slightly striated, testaceous-brown, darkest towards the apex; legs, palpi, and 3 basal joints of the antennae pale testaceous. (L. 3 l.) Near Fakenham; and Madingley Wood, Camb.: 3-4.

360 vespertinus Ill. K. i. 197. — Ste. M. i. 166. pl. 9. f. 3. — Oblong, pitchy-black: thorax with a large punctate fovea on each side at the base, the lateral margins testaceous; elytra testaceous-brown, the disc posteriorly and interiorly black; legs and basal joints of antennae pale. Var. St. Ziegleri. Pz. F. viii. f. 8. — Ste. N. ed. 2. col. 11. — Longer; elytra black, with the margin pale. (L. 2½-3 l.) Damp places near London, as Battersea: also Whittlesea Mere; Norwich, &c.: 2-4.

71 Masoreus Ziegler.


72 Trechus Clairville.

A. Mentum with an obsolete tooth: — Trechus pr.

362 dorsalis Fab. E. i. 208. — Ste. M. i. 167. pl. 9. f. 4. — Pitchy-black, shining: thorax with an obscurely punctate fovea on each side at the base, hinder angles obtuse; margins pale, disc sometimes the same; elytra striated, pale testaceous, with a broad glossy black or bluish dash on each near the suture; antennae with basal joint pale. (L. 1½-2 l.) Copenhagen fields and Wandsworth Common, in spring; Fakenham, Norfolk, &c.: 3-6.

363 parvulus Steu. D. F. vi. 77. pl. 150. f. B? — Ste. M. i. 167. — Black; margins of the thorax (the base of which is obtuse, and has a small fovea on each side), elytra, legs, palpi, and 3 basal joints of the antennae pale testaceous. (L. 1½ l.) Near London, in damp places: 3-4.

364 flavicollis Steu. D. F. vi. 87. pl. 151. f. C. — Ste. M. i. 168. — Black: thorax testaceous-yellow, with a simple fovea on each side at the base; the hinder angles obtuse; elytra faintly striated, pale tawny-yellow, with a broad black dash; legs, palpi, and basal joints of antennae pale testaceous. (L. 14-1½ l.) Near London; Ripley; and in Norfolk: 3-5.

365 ruficollis Ste. M. i. 168. — Ac. exiguis De J. Lc. 201. f. 2.? — Pitchy-black: thorax pale tawny, with a slightly punctate fovea at each angle, the
latter scarcely obtuse; elytra rather deeply striated; legs, palpi, and basal joint of antennæ pale or pitchy-testaceous. (L. 1 ½ l.) Near London and Hertford: Bottisham.

366 nitidus Ste. M. v. 384. — Pitchy-black, very glossy: thorax pitchy, with its margin all pale yellow, the hinder angles obtuse; elytra finely striated, with a slight black tint; antennæ pitchy; the basal joint, palpi and legs pale yellow. (L. 1½ l.) Swansea: 6.

367 aquaticus Pz. F. xxxviii. f. 10. — L. minutus Ste. M. i. 169. — Pitchy-black; very glossy: thorax transverse; its sides rounded and hinder angles slightly acute, each with a small fovea; elytra chestnut, with 4 or 5 impunctate dorsal striae, not reaching the apex; legs, palpi and antennæ rust-coloured, the former palish. (L. 1 ½-1⅓ l.)


368 laevis Waterhouse. Ste. M. v. 334. — Pitchy, glossy: thorax transverse, with the sides rounded and hinder angles slightly acute; elytra striated on the back, the striae smooth and faint, and not reaching to the apex; legs and antennæ tawny. (L. 2-2½ l.) Near London.

369 suturalis Leach.— Ste. M. i. 168. — I'pitchy-black: thorax with a faintly punctate fovea on each side at the base, hinder angles slightly acute; disc sometimes fulvescent; elytra deeply striated, suture and margin tawny; legs and palpi pale testaceous. (L. 1¼-2¼ l.) Hampstead; Wandsworth; Banks of Tees; Swansea; &c. 3-5.

370 brunipes Steu. D. F. vi. 88. pl. 151. f. B. — pallipes Ste. M. i. 168. — Black, beneath pitchy: thorax with a distinctly punctate fovea near each hinder angle, the latter rather acute; elytra deeply striated, the striae slightly punctate; interstices rather convex; legs, palpi and antennæ at base, very pale tawny. (L. 2¾-2½ l.) Near Hertford and in Devonshire: 4-7.

371 fulvus Mant. i. 456. — Ste. M. i. 169. — Tawny-pitchy: thorax rusty-red, disc sometimes wrinkled transversely, with a shallow coarsely punctured fovea on each side near the base; elytra rather faintly striated; striae not punctured; interstices slightly convex; legs testaceous; antennæ tawny, with tip dusky. (L. 2-2½ l.)

Var. ? Tr. pallidus Ste. M. i. 169. — Pale testaceous: suture, margins of the elytra, antennæ and legs paler: eyes black; thorax punctate behind.


372 meridianus L. ii. 673. — De J. i. iv. pl. 200. f. 5. — Ste. M. i. 170. — Shining black: thorax a little elongate, narrow and punctate behind, with a large punctured fovea on each side; hinder angles obtuse; margin sometimes testaceous; elytra faintly striated, base and suture pale ochreous; legs and base of antennæ testaceous. (L. 1¾-1⅔ l.) Common near London.

373 cognatus Gyll. iv. 455. ? — Ste. M. i. 171. — Black: thorax obliquely narrowed behind, the angles obtuse; hinder margin dull rust-colour, with a deep punctate fovea on each side; elytra striate, ferruginous, with a broad bluish-black elongate patch; thighs black, tibiae and tarsi pale testaceous. (L. 1⅔ l.) Near London: 5.

374 consputus Dufì. ii. 148. — Ste. M. i. 173. pl. 9. f. 6. — Elongate; black; thorax red, with a deep impunctate fovea on each side at the base; the hinder angles straight; elytra testaceous, moderately striated; with a broad black patch, tinted with bluish, on each, not reaching the suture; legs, tip of the abdomen and base of the antennæ pale testaceous-yellow. (L. 2-2½ l.) Gravel pits, Windsor; Old Brompton; Battersea fields, &c.: 3-5.
B. Mentum with an obtuse tooth: — Bradycellus Erichson.

375 placidus Gyll. ii. 162. — Ste. M. v. 384. — De J. Le., iv. pl. 199. f. 4. — Oblong: black, or pitchy: thorax somewhat 4-drate, narrowed behind, with a punctate fovea on each side, the hinder angles obtuse; the disc mostly clouded; elytra striated, testaceous, with a lanceolate pitchy-black patch towards the suture, the outer margin slightly pubescent; legs and base of antennaæ pale. (L. 2-2½ l.) Rare; on the banks of the Thames and of the Tees: 3-5.

376 collaris Ph. F. i. 146. — Stu. D. F. vi. pl. 150. f. A. — Oblong-ovate: rusty-red, shining: thorax somewhat 4-drate, narrowed behind and with obtuse angles; base on each side with 2 elongate, punctate foveæ; elytra striated deeply, but impunctate, interstices flat, the 3d with a distinct impression; legs and 3 basal joints of antennaæ pale. (L. 1½-2 l.) Rare; near London: 4-6.

73 Blemus Ziegler.

377 paludosus Gyll. ii. 34. — Ste. M. i. 171. — Stu. D. F. vi. pl. 151. f. D. — Broad; pitchy-black, shining: head dusky; thorax with a deep transverse fovea on each side at the base; elytra with the disc punctate striated, the margin and apex faintly striated; abdomen rather pale at the tip; legs and antennaæ pale testaceous. (L. 3 l.) Norwich; Hull; Carlisle; Grampian Hills; Zetland and Swansea: 4-7.


379 micros Herbst. A. 142. — Cur. vii. pl. 310. — Tr. rubens. — Ste. M. i. 172. — Narrow; rusty-testaceous: head dusky, with a curved impression on each side; thorax reddish, with a deep fovea on each side near the hinder angles; elytra faintly striated, pale, with a bluish tinge towards the apex; legs and antennaæ pale rust-colour. (L. 2½ l.) Lambeth; Chelsea; Hackney; Windsor; Thrushton, Hants; Carlisle: 3-6.

380 discus Fab. E. i. 207. — unifasciatus Pz. F. xxxviii. f. 7. — Ste. M. i. 172. — Narrow; rusty-red: eyes black; thorax obcordate, rather convex, with a simple depression on each side at the base; elytra obscurely striated, with a bluish-black transverse band towards the apex; legs and antennaæ, or ochreous; head sometimes black. (L. 2-2½ l.) Sparsely near London; also near Southend; in Norfolk and Suffolk; and near Manchester: 3-6.

381† louticornis Stu. D. F. vi. 83. pl. 151. f. A. — Ste. M. i. 172. — Elongate: head black; thorax somewhat orbiculate-heart-shaped, truncate behind, brown; elytra pale brown, paler on the sides, bluish towards the suture, faintly striated; legs, palpi and antennaæ pale brownish-yellow; the latter rather long. (L. 2½ l.) Under rejectamenta, Broughton, Lanc.: 6.

74 Epaphius Leach.

382 Secalis Ph. F. i. 146. — Stu. D. F. vi. 71. pl. 149. f. A. — Ste. M. i. 172. — Bright shining rust-colour; eyes black; thorax very glossy, smooth, with a small fovea on each side at the base; elytra with 5 distinctly punctate short striae at the base; the outer margin and apex smooth; except a few impressions at the base of the former; legs, palpi and antennaæ pale. (L. 2 l.) Coasts of Norfolk; shores of Humber; near Aberystwith: 3-6.
583 fulvescens Leach. — Cur. v. pl. 203. — Ste. M. i. 174. — Flat: pale ochreous, pale beneath: head rather tawny; eyes black; thorax with an obscure fovea on each side near the hinder angles; elytra pale, irregularly and rather faintly punctate; legs pale ochreous; antennae tawny.

(L. $\frac{3}{4}$-1$\frac{1}{4}$ l.) Mouths of the rivers Tamar and Yealm; at Tamarton, Bantham and Kingsbridge, Devon; Ballybuich Ferry, Scotland; Berwick-upon-Tweed, below high-water mark: 3-7.

Fam. 6. BEMBIDIIDE Stephens.


Ixxix. PHILOCHTHUS Body ovate, slightly convex: tho. transverse, hinder angles rounded and deeply notched: ant. with the 2d joint shorter than the 4th: palpi rather short: labrum entire: mand. broad, short, rather obtuse: anterior tarsi of $\delta$ with the basal joint dilated.


Ixxxii. NOTAPHIUS Body elongate-ovate, slightly depressed: tho. truncate, heart-shaped, hinder angles acute: ant. with 3d and 4th joints shorter than the 5th: palpi rather long and slender: labrum 4-drate, entire: mand. stout, acute: anterior tarsi of $\delta$ with the basal joint dilated.

Ixxxiii. LOPHA Body elongate-ovate, rather flat: tho. truncate, heart-shaped, gibbous in front, flat and narrowed behind, with deflexed angles: ant. with 3d and 5th joints of equal length, and longer than the 4th: palpi short: labrum short, entire: mand. slender, long, acute: eyes moderate: anterior tarsi of $\delta$ with the basal joint dilated.

Ixxxiv. TACHYPUS Body elongate-ovate, rather convex: tho. truncate, heart-shaped, flat, sessile; hinder angles deflexed: ant. with the 3d joint longest, 8th to 10th very short: palpi shortish: mand. long, acute: labrum entire: eyes moderate: anterior tarsi of $\delta$ with 2 basal joints dilated.


76 LYMNÆUM Stephens.

384 nigropiceum Marsh. i. 468. — Ste. M. ii. S. pl. x. f. 1. — Pitchy-black,

f 2
with a rusty hue: thorax faintly tinged with blue; its base faintly punctate; elytra flat, deeply striated, interstices convex, with two deep impressions on the 4th; legs rusty; antennae, palpi and labrum tawny-red. (L. 2 l.) Herefordshire; banks of Esk.

385 areolatum Cretz. E. V. 115. pl. 2 f. 19. — depressum Ste. M. ii. 3. — Flat: pitchy-black: thorax sparingly punctured on disc, thickly at base; elytra faintly striated; interstices flat, sparingly punctulate, disc pitchy, or reddish; legs and basal joint of antennae tawny-red; 2d and 3d joints of the last reddish. (L. 14 l.) Dudden Sands, near Broughton, Lanc. : 6-7.

77 Cillenum Leach.

386 laterale Leach — Cur. v. pl. 200. — Ste. M. ii. 4. — Greenish-copper, or brassy, shining: head and thorax minutely punctured; elytra ochreous, with a greenish tinge, faintly punctate striate, the 3d stria with 3 or 4 impressions; legs and base of antennae testaceous; tip of the latter and the mouth pale tawny. (L. 1 l-2 l.) Sea coasts: Portobello Sands; Southend; Cromer: 4-6.

78 Tachys Ziegler.

387 scutellaris Ste. M. ii. 5. — Rather flat; black: disc of thorax slightly convex; base with 2 foveae; elytra pale, region of scutellum dusky, hinder half with a tinge of the same; base with 3 short faintly punctate striae; disc with a deep impression: legs and base of the antennae pale; mouth tawny. (L. 1½ l.) Christchurch. Hants, on coast: 4-5.

388 binotatus Ste. M. ii. 5. — Brassy or greenish-black: thorax with a deep fovea on each side at the base; elytra rather convex, punctate striate, outer edge smooth; near the apex a round pale spot; thighs pitchy; tibiae and tarsi pale tawny; antennae brown, basal joint reddish. (L. 1¼-1½ l.) Common; near London, Southend, &c. *.

389 vittatus Ste. M. ii. 5. — Brassy-black; thorax with a small impression on each side at the base; disc faintly wrinkled; elytra deeply punctate striate, obsolete at the tip, which bears an undefined pale streak, or is entirely pale; legs pale tawny: antennae with basal joints reddish. (L. 1¼ l.) Common in banks, &c. in the London district: O, *.

390 immunis Kirby. — Ste. M. ii. 6. — Brassy-black, or violet: thorax with a small fovea on each side at the base; elytra dilated in the middle, bluish, suture reddish; very obscurely punctate striate; apex concolorous, and spotless; legs pitchy-red; base of thighs pitchy; antennae reddish at base. (L. 1½ l.) Abundant near London; also at Cork; Milford Haven; Dartmoor, &c.


392 pusillus De J. S. v. 165. — Ste. M. ii. 6. — Pitchy-brass, or greenish: thorax with a punctured fovea on each side at the base; elytra faintly punctate striated, the tip pitchy; legs pitchy-red; antennae with basal joint reddish. (L. 1½ l.) London district, Netley, &c.

393 gracilis Ste. M. ii. 6. — Slender, pitchy-black: thorax with a small impunctate fovea on each side at the base; elytra with the suture and apex reddish, the disc faintly punctate-striate; legs tawny-red; antennae reddish at base. (L. 1¼ l.) Sand hills, near Swansea: 4-6.

394† maritimus. — Rather ovate, pitchy-black: thorax paler, slightly narrowed behind, with a deep fovea on each side at the base, which is depressed;
elytra with a faint bluish tinge, the back striated, the striae rather indistinct and impunctate; legs dull tawny; mouth, 3 basal joints of antennæ, and base of palpi tawny-red. (L. \( \frac{3}{4} \) l.) Ryde, Isle of Wight: 5-6.

395 minutissimus Leach. — Ste. M. ii. 7. — Pitchy-rust-colour, rather opaque: head dusky; thorax with a simple 3-gonal fovea on each side at the base; elytra narrow, pale, with 2 obscure impunctate striae on each near the suture, the rest smooth; legs and mouth pale tawny; antennæ pitchy; tip dusky. (L. \( \frac{4}{5} \) l.) Glamorganshire coast: 4-6.

79 Philochthus Stephens.

396 aeneus Spence. — Ste. M. ii. 7. — Brassy, shining: thorax with 2 smooth foveæ at the base; elytra punctate-striate, the striae not reaching to the apex, which is concolorous, and has on each side near the margin an elevated line; body beneath, antennæ and thighs black; tibiae and tarsi pitchy. (L. 2½ l.) In Yorkshire, and Netley, Salop: 3-6.

397 fusicipes De J. Cat. 17.? — Ste. M. ii. 8. — Above shining brassy-black: thorax faintly wrinkled transversely, its base with a transverse impression terminating on each side in a small fovea; elytra punctate-striate, the striae not reaching to the apex, which is pale testaceous, and has a slight elevated line; body bluish beneath; legs rusty-brown, or tawny; antennæ with basal joints reddish. (L. 2-2½ l.) London; Devonshire; Swansea; Netley; &c.: 3-6.

398 subfenestrata De J. Cat. 17.? — Ste. M. ii. 8. — Above brassy, or greenish black: thorax with a small fovea on each side at the base; elytra broad, punctate-striate, the apex smooth, with a small, round, testaceous spot towards the outer margin, and sometimes the extreme tip pale; body pitchy beneath; legs tawny; antennæ reddish at the base. (L. 2-2½ l.) Near London; Netley; and Waterford, Ireland: 3-6.

399 biguttatus Ill. K. i. 230. — Ste. M. ii. 8. — Above brassy-black: thorax with a depression on each side at the base; elytra deeply punctate-striate nearly to the tip, which has a strongly elevated line and a tawny round spot; the 3rd interstice with 2 deep impressions; basal joint of antennæ and legs pale red. (L. 1½-2 l.) Near London: Sandy Lane, Richmond: 4-6.

400 guttula Ill. K. i. 229. — Ste. M. ii. 9. — Above black, or greenish-brass: thorax with a faint oblong slanting fovea on each side at the base; elytra striated, the stria punctate at the base, vanishing at the apex, the lateral striae very obscure; the apex with a pale reddish dot; legs reddish; basal joints of the antennæ pitchy red. (L. 1½-1⅓ l.) Common near London; also Southend; Isle of Arran; Reek Mountains, Ireland, &c. O.

401 hæmorrhous Kirby. — Ste. M. ii. 8. — Above brassy-black: thorax with a small oblique fovea on each side at the base, the disc rather convex; elytra faintly punctate striated, the striae not reaching to the apex, which is pale pitchy-red; legs deep pitchy; antennæ black. (L. 1½-1⅓ l.) Near London, and in Norfolk: 3-6.

80 Ocys Kirby.

402 currens Kirby. — Ste. M. ii. 10. — Brassy-black, sometimes with a greenish or olive tinge: thorax with a fovea on each side at the base; elytra light-blue, or greenish; deeply punctate-striate on the back, the 2 satural striae alone extending to the tip, which is at times reddish; legs and antennæ pale red. (L. 2-2½ l.) Rare: Ockham Park, near Ripley; Battersea fields; Norfolk and Suffolk: 1-5.

403 melanocephalus Leach. — Ste. M. ii. 10. pl. 10 f. 2. — Rusty-red: head dusky; thorax bright red, the base with a deep stria on each side; elytra
dull or dusky, sometimes bluish, faintly striated on the back; legs and antennae pale red. (L. 2½-3 l.) Also rare: Ripley, Hertford; Lawrence Waltham, Netley; and in Norfolk and Suffolk: 4-6.

404 tempestivus Pz. F. lxxiii. f. 6. ? Ste. M. ii. 11. — Rusty-red: thorax brightest, with an oblique stria on each side at the base; elytra obliquely punctate-striated on the back, and with an undefined longitudinal black patch towards the margin; legs and antennae pale red. (L. 2½ l.) Also rare: near London: in Norfolk, and in Devon: 4-6.

81 Peryphus Megerle.

A. Elytra with pale spots.

405 femoratus Stu. D. F. vi. 117. pl. 155. f. B. — Ste. M. ii. 12. v. 384. — Rather flat; green: thorax with a broad fovea on each side at the base; elytra with 2 reddish spots, punctate-striate, the striae vanishing on the sides and apex; terminal joint of the palpi and thigs black; their base, tibiae, tarsi, and basal joints of antennae rusty-red. (L. 2½-3 l.) Common near London; Battersea fields. *

406 concinnus Kirby. — Ste. M. ii. 12. and v. 385. — Rather flat; brassy-green: thorax as in No. 405; elytra pale, with a brassy-black cross on the back, punctate-striate, the striae vanishing on the sides and apex; antennae at the base, palpi and legs entirely pale rusty. (L. 2-2½ l.) Also common near London, and in Suffolk. *

407 maritimus Rudd. — Ste. M. v. 385. — Rather flat; brassy-green: thorax as in No. 405; elytra pale, with a broad common brassy-black cross; punctate-striate, the striae vanishing on the sides and apex; antennae and legs entirely rusty; palpi rusty, with terminal joint pitchy-black. (L. 2½ l.) Banks of Tees, common: 3-8.

408 tetraspilotus Rudd. — Ste. M. v. 385. — Rather flat, brassy-green: thorax as in No. 405; elytra with 2 distinct reddish spots, the disc punctate-striate, the sides and apex smooth; base of the antennae and of the palpi, and legs entirely rusty; tip of palpi pitchy. (L. 2½ l.) Kensington Gardens, and in Yorkshire.

409 littoralis Olie. E. iii. 110. pl. 9. f. 103. — Ste. M. ii. 13. and v. 385. — Rather flat; brassy-green: thorax as in No. 405; elytra with 2 large pale-reddish patches, punctate-striate, the striae vanishing on the sides and apex; antennae rusty, with the tips of the joints more or less pitchy; legs and palpi entirely rusty. (L. 23½-3 l.) In abundance near London; *

410 saxatilis Gyll. iv. 407. ? — Ste. M. ii. 12. and v. 385. — Flat; greenish-black: thorax longish, with 2 basal foveae; elytra with 2 small and rather obscure red spots; punctate-striate, the striae extending to the apex, obscure on the sides; antennae and legs dull rusty. (L. 2½ l.) Occasionally near London; North of England.

411 elegans Ste. M. v. 386. — Flat, greenish-brass: elytra with 2 large bright red blotches, punctate-striate, the striae extending to the apex, but the lateral ones obscure; legs and antennae pitchy-black; palpi pitchy. (L. 13½-2½ l.) Near London: *

412 lunatus Duft. ii. 24. — Ste. M. ii. 13. pl. x. f. 3. — Slightly convex; rich shining, green-brass: thorax with a large round fovea on each side at the base; elytra with a large, transverse, crescent-shaped, pale rusty-red spot towards the apex; deeply punctate-striate, the striae extending to the apex; legs, palpi, and 3 or 4 basal joints of antennae pale testaceous. (L. 3-3½ l.) Rare; near Swansea, and Carlisle: 3-6.

413 ustus Schön. S. i. 221. — Ste. M. i. 14. — Rather convex; brassy-green: thorax with 2 large punctate foveae at the base; elytra crenate-striated, the
apex smooth and pale rusty-brown; body beneath rusty, or brassy-black; legs, antennae, and palpi pale rust-colour. (L. 3-3 1/2 l.) Rare: in Norfolk and Yorks. : 4-6.

414 decorus Pe. F. Ixxiii. f. 4. — Ste. M. ii. 14. — Rather flat; greenish: thorax with a shallow stria on each side at the base; elytra crenate-striate; the striae vanishing at the sides and apex, the sutural one excepted; which is carried to the tip itself, and which is pale pitchy rust-colour; body black beneath; legs and basal joint of antennae rust-coloured. (L. 2 1/2-3 l.) Damp gravel pits, Wandsworth; Richmond : 3-6.

B. Elytra not spotted.

415 rufipes Ill. K. i. 63. ? — Pe. affinis Ste. M. v. 386. — Rather flat; greenish, very glossy: elytra punctate-striated, the striae scarcely extending to the apex, immaculate; antennae, palpi and legs entirely bright rusty-red. (L. 3-3 1/2 l.) Marton, Yorks. : 3-6.

416 nitidulus Marsh. i. 454. — Ste. M. ii. 14. — Rather flat; above deep blue or greenish, shining: thorax with the hinder margin punctate, and bearing a fovea on each side near the angles; elytra punctate-striate, apex rather smooth; femora dusky, their tips, tibiae, tarsi, and base of antennae and palpi reddish; tip of palpi dusky. (L. 2-2 1/2 l.) In plenty in gravel pits on Wimbledon Common; Wandsworth; Netley : 3-6.


419 viridi-aneus Ste. M. ii. 15. — Flat; brassy-green: thorax with a deep rugged impression on each side at the base; elytra punctate-striate, the striae extending to the tip; the disc with 2 or 3 deep impressions; legs pale red; basal joint of antennae, and of the palpi, reddish; tips of both dusky. (L. 2 1/2-3 1/2 l.) N. of England, and in Scotland; Carlfin, Lanarks. : 3-6.

420 agilis Spence. — Ste. M. ii. 15. — Flat, brassy-green: thorax with the disc obscurely wrinkled transversely; the base with a shallow fovea on each side; elytra punctate-striate, the striae not reaching to the apex, the 3d interstice with 2-3 impressions; legs, basal joints of the antennae and of the palpi pale red; terminal joints dusky. (L. 2 1/2-3 l.) N. and W. of England; N. Wales; and Scotland : 3-6.

421 enenerythus Ste. No. ed. 2. col. 13. — Pe. tibialis Leach. — Ste. M. ii. 15. — Flat; brassy-black: thorax green, with a deep impunctate fovea on each side of the base; elytra obsolescently punctate-striated, the striae extending to the tip, the 2d interstice with 2 or 3 impressions; femora brassy-black; their tip, coxae, tibiae, tarsi, and basal joint of antennae reddish. (L. 2 1/2 l.) Also N. of England, and in Scotland; Swansea, &c. : 5-7.

422 Leachii Spence. — Ste. M. ii. 16. — Flat; brassy-black: thorax with a large deep impunctate fovea on each side at the base; elytra wide, striated, the striae not punctate, the 3d with 2 or 3 impressions attached; legs and palpi black; basal joint of antennae beneath pitchy-red. (L. 2 1/2 l.) Loch Lomond; rare: 4-6.
423 olivaceus Gyll. iv. 408? — Ste. M. ii. 16. — Flat; greenish-brass; elytra faintly striated, the strig not punctate, the 3d with 2 or 3 impressions attached; legs pitchy-brown, thighs at base paler or reddish; basal joint of antennæ pitchy. (L. 2\(\frac{1}{2}\)-2\(\frac{3}{4}\) l.) N. of England, and in Scotland; Carlisle; Carfin, &c.: 5-7.

424 atracreules Ste. M. ii. 17. — Flat; brassy-black: thorax faintly wrinkled transversely, with a slight fovea on each side at the base; elytra deep blue-black, faintly striated, the strig obscurely punctate, and extending to the tip, the 3d with 2 impressions; femora brassy; tibie, tarsi, and basal joint of the antennæ pitchy-rust-colour; rest of the latter and palpi dusky. (L. 2\(\frac{1}{2}\) l.) Halifax: 4-6.

425 tibialis Megerle. — Duft. F. ii. 209. — Ste. M. v. 387. — Flat; brassy-green above: thorax with a large smooth fovea on each side at the base; elytra punctate-striated; the strig nearly extending to the apex, the 3d with 2 or 3 impressions; tibie, tarsi, and basal joint of antennæ pale reddish-yellow. (L. 2-2\(\frac{3}{4}\) l.) Yorkshire: 5-7.

426 Fellmanni Gyll. iv. 409.? — Ste. M. v. 386. — Flat; above dull-green: thorax with a fovea on each side at the base and an obscure striga; elytra striated, the strig impunctate, the 3d with 2 impressions attached; antennæ and legs entirely black, with a greenish gloss. (L. 3 l.) Scotland and Yorks.: 4.

82 Notaphus Megerle.

427 undulatus Stu. D. F. vi. 156. pl. 160. f. D. — Ste. M. ii. 17. pl. x. f. 4. — Head and thorax brassy-green; shining: elytra punctate-striate, brassy-brown, with a transverse pale waved band near the tip, and 2 deep impressions on the 3d interstice; legs and basal joint of the antennæ brown. (L. 2\(\frac{1}{2}\)-3\(\frac{3}{4}\) l.) Earl's Court; Walham Green, &c.; Netley; S. Wales: 3-6.

428 ustulatus L. ii. 673. — Pz. F. xl. f. 7.? — Ste. M. ii. 18. — Head and thorax green or coppery-brass, shining: elytra faintly punctate-striate, livid, with a brassyl gloss, with various irregular brown streaks and patches, leaving a pale waved band towards the apex; 3d interstice with 2 impressions; legs and basal joint of antennæ reddish-brown. (L. 2\(\frac{1}{2}\)-2\(\frac{3}{4}\) l.) Isle of Sheppey; Deal; Netley; near London, &c.: 3-5.

429 nebulosus Ste. M. ii. 18. — Ca. ustulatus Pz. F. xl. f. 7.? — Blue-black: head blue; thorax brassy, with a violet tinge; elytra livid, pale griseous, obscurely clouded with fuscous, the suture dark blue; striated; the strig faintly punctate, and dark brown; legs pitchy-brown, tinged with bluish; basal joint of antennæ reddish. (L. 2-2\(\frac{1}{2}\) l.) Near London?

430 bifasciatus Leach. — Ste. M. ii. 19. — Ca. semipunctatus Don. v. pl. 367. f. 2. var.? — Brassy- or greenish-black: elytra punctate-striated, with 2 or 3 impressions on the 3d interstice, brassy-brown, with 2 irregular transverse bands of dusky-ochreous spots; the tip pitchy; legs pitchy-brass; tibie, tarsi, and basal joint of the antennæ brassy-brownish-red. (L. 2-2\(\frac{1}{2}\) l.) Near London; Isle of Sheppey; Swansea; Devon, &c.: 3-6.

431 obliquus Stu. D. F. vi. 160. pl. 161. f. A. — Ste. M. ii. 19. — Brilliant brassy-green; elytra finely punctate-striate, brassy-green, the disc with several scattered ochreous spots, and 2 distinct, irregular, transverse bands; tip spotless; antennæ and legs brassy-black; tibie and tarsi pitchy. (L. 2-2\(\frac{1}{2}\) l.) Banks of Thames and Severn: 3-6.

432 stictus Ste. M. ii. 20. — Brassy- or greenish-black: thorax with 2 smooth basal foveae; elytra faintly punctate-striated, pale brownish-yellow, with several scattered irregular black spots and blotches; legs pitchy rust-colour; antennæ pitchy, basal joint paler. (L. 1\(\frac{3}{4}\)-2 l.) Southend: 3-5.

433 fumigatus Creutzer. — Duft. F. ii. 204. — Ste. M. ii. 20. — Bright
blackish-brass; head green; thorax as in No. 432.; elytra punctate-striated, pale yellowish brown, tinged with brassy, with 2 irregular black bands, and some scattered spots of the same; striae brown; suture bluish; legs rusty-red; antennae pitchy. (L. 1 1/2-2 l.) Swansea: 3-6.

434 ephippium Marsh. i. 462. — Ste. M. ii. 20. — Brassy-black; thorax with 2 rugose basal foveae; elytra pale testaceous, with a brownish cloud common to each near the apex; faintly punctate-striate, the striae brown; abdomen black; legs and antennae testaceous. (L. 1 1/2 l.) Sea-coasts; Christchurch, Hants; Yarmouth, Norf.; Isle of Sheppy, &c.: 3-7.

435 castanopterus Ste. M. ii. 21. — Pitche-black; thorax with 2 impunctate basal foveae; elytra deep chestnut, spotless; striated, the striae faintly punctate and dusky; abdomen pitchy; legs and antennae chestnut. (L. 1 1/2 l.) Near London: 4.

83 LOPHA Meyerle.

436 pceìla Hoffm. — Ste. M. ii. 21. — Ca. articulatus Pz. F. xxx. f. 21. — Blue-black, shining: thorax with a transverse punctate impression behind, and 2 deep foveae; elytra faintly punctate-striated, reddish-testaceous, with a dusky-brown bar in the middle, then a slanting interrupted testaceous one, and a brown band, then a pale tip; legs and antennae testaceous, the latter dusky at the tip. (L. 1 1/2-1 1/4 l.) Damp places near London; Netley; Ben-Lomond, &c.: 4-6.

437 4-guttata Fab. E. i. 207. — Pz. F. xl. f. 5. — Ste. M. ii. 22. — Brassy-black, extremely glossy; elytra punctate-striate at the base, with a large somewhat 3-angled whitish spot on the shoulder, and a smaller round one on the disc; legs pale; tips of thighs dusky; antennae black; basal joint and base of 3 following rusty. (L. 2-2 1/2 l.) Abundant near London; Deal; Devon; Carlisle; .

438 4-maculata L. ii. 658. — Ste. M. ii. 22. — Ca. pulchellus Pz. F. xxxviii. f. 8. — Greenish-brass; very shining; elytra blue-black, punctate-striate; apex smooth; at the base a large angulated pale spot, and a round one towards the apex; legs pale testaceous, femora at times slightly pitchy; antennae testaceous, dusky at the tip. (L. 1 1/2-1 1/2 l.) Also common, London district; Southend; Deal, &c.: .

439 pulchella Marsh. i. 454. — Ste. M. ii. 23. — Shining blue-black; head with 2 parallel frontal striae; thorax with a transverse impression behind, terminating in a simple fovea on each side; elytra bluish-black, faintly punctate-striate on the back; legs entirely reddish; antenna wholly black. (L. 1 1/4 l.) Near London?

440 assimilis Gyll. ii. 26. — Ste. M. ii. 23. pl. x. f. 5. — Bronzed-black, shining: forehead with 2 oblique striae; thorax with a slightly punctate impression at the base, terminating in a simple fovea on each side; elytra greenish, deeply punctate-striate on the back, the apex smooth and pale testaceous; within the margin a round pale dot; legs pale reddish. (L. 1 1/2-1 1/2 l.) Rare: Southend and Isle of Sheppy: 4-6.

441 pusilla Gyll. iv. 403. — Ste. M. ii. 23. — Brassy-black; rather shining: forehead with 2 parallel striae; thorax with a punctured transverse line, terminating in a deepish fovea on each side; elytra punctate-striate on the back; deep chestnut, the tip paler, inclining to pitchy; legs rusty-pitchy; antennae dusky, with basal joints pitchy. (L. 1 1/2 l.) Near London, and in Norf.: 4-6.

442 nigra Wilkin. — Ste. M. ii. 24. — Blue-black, shining: forehead with 2 oblique striae; thorax greenish, with a faint transverse line, and 2 basal foveae; elytra immaculate, punctate-striate on the back; legs and
basal joint of the antennæ reddish; tip of antennæ dusky. (L. 1 ½ l.) Near London and Norwich: 3-4.

443 pulicaria Marsham.—Ste. M. ii. 24. — Brassy-black, shining: forehead with 2 oblique striæ; thorax as in Lo. nigra; elytra flattish, faintly punctate-striate on the back, immaculate, legs, antennæ and palpi black; tibiae and tarsi sometimes pitchy. (L. 1½-1 ½ l.) Battersea Fields; Hertford, &c. ◊.

444 minima Fab. E. ii. 210.? — Ste. M. ii. 24. — Brassy-black, shining: forehead with 2 nearly parallel striæ; thorax flattish, with a fovea on each side at the base, connected by a transverse line of punctures, hinder angles very acute; elytra pitchy-black, spotless, punctate-striate, nearly to the apex; legs, palpi, and antennæ pitchy-black. (L. 1-1¼ l.) London; Liverpool; Falmouth; Southend, &c. ◊.


446 Doris Ill. K. i. 232. — Pz. F. xxxviii. f. 9. — Ste. M. ii. 25. — Shining blue-black: forehead with 2 parallel striæ; thorax flattish, with 2 small basal foveæ, hinder angles very acute; elytra punctate-striate, with a round testaceous spot near the apex; legs and base of the antennæ testaceous. (L. 1½-1 ½ l.) Battersea Fields; common: ◊.

447 Spencii Kirby. — Ste. M. ii. 25. — Shining, blue-black: forehead with 2 parallel striæ; thorax with 2 simple basal foveæ, the hinder angles very acute, disc slightly convex; elytra deeply punctate on the back alone, the apex smooth and pitchy; legs and basal joint of the antennæ bright red. (L. 1½ l.) Battersea Fields, and in Suff.: 2-7.

448 hemorrhoodalis Ste. M. v. 387. — Shining blue-black: forehead with 2 nearly parallel striæ; thorax flattish, with 2 small basal foveæ, the hinder angles very acute; elytra punctate-striate on the back; the apex smooth and testaceous red; tibiae, tarsi, and basal joint of antennæ pale red. (L. 1½ l.) Marly places about London: 3-6.

84 Tachypus Megerle.

449 celer Fab. E. i. 210. — De. J. le. iv. pl. 219. f. 4. — Ste. M. ii. 26. — Glossy brass above, blackish beneath: elytra deeply punctate-striate on the back; legs pitchy rust-colour, with the tibiae palest, or testaceous; tarsi and antennæ dusky; thighs also sometimes dusky. (L. 1½-1 ½ l.) Abundant every where ◊.

450 properans Hoffm. — Ste. M. ii. 26. — Above brilliant coppery brass; beneath black: thorax very glossy, with a distinct line of impressions at the base; elytra faintly punctate-striate on the back; legs pitchy-red; femora sometimes, and antennæ always, dusky. (L. 1½-1¾ l.) Var.? Ca. acutus Marsh. i. 461. — Ste. M. ii. 27. — Black-brass, very glossy: elytra rather narrowed behind, and acute, the back punctate-striate; legs pitchy-brass; tibiae pale testaceous; antennæ fuscos, with the base reddish. Also abundant every where ◊.

451 chaleceus Ste. M. ii. 27. — Above greenish or bluish-brass: elytra finely striated, the striae remotely punctate, not reaching to the apex; legs and antennæ pitchy; tibiae, tarsi, and base of latter palest. (L. 2 l.) Near London: 3-6.

452 orichaleicus Ill. K. i. 228.? — Pz. xxxviii. f. 11. — Ste. M. ii. 27. — Glossy greenish-brass: head coppery; thorax greenish, with 2 deep basal foveæ; elytra coppery, with 2 rather obscure impressions, faintly punctate-striate on the back alone; femora and antennæ pitchy; their base, tibiae, and tarsi testaceous. (L. 2 l.) Near London and Swansea: 3-6.
59 TACHYPUS. — BEMBIDII. 59

453 bipunctatus L. ii. 672. — De J. Ic. iv. pl. 212. f. 2. — Ste. M. ii. 28. — Above brassy, shining: head roughish; thorax very faintly wrinkled transversely: the margin depressed, deeply punctated; elytra flat on the back, faintly punctate-striate, interstices smooth; on the 3d are 2 deep, remote, coppery-brass impressions; abdomen blue-black; legs and antennæ black, with a brassy tinge. (L. 2½ l.) Wandsworth Common; Darenth Wood; Netley: 4-6.

454 chlorophanus Stu. D. F. vi. 187. pl. 143. f. C. — Ste. M. ii. 28. — Brassy-green: head and thorax deeply and coarsely punctate; elytra punctate- striate to the apex; disc not foveated; antennæ and legs brownish-yellow; the tips of the joints of the antennæ and the tarsi dusky. (L. 2½ l.) Coasts of Lancashire and Cumberland: 5-7.

455 striatus Duft. ii. 198. — Stu. D. F. vi. 186. pl. 143. f. B. — Ste. M. ii. 28. — Bronzed-black: head and thorax thickly and finely punctate; elytra punctate-striate to the apex, with deep impressions on the 3d interstice; legs reddish or pitchy, the femora rather brassy; antennæ dusky, the base reddish. (L. 2½ l.) Carlisle; Edinburgh; Midgley Moor; Netley, &c.: 5-7.

456 pallidipennis Ill. K. i. 489. — Ta. Andrææ. Ste. M. ii. 29. pl. x. f. 6. — Greenish-copper, shining: head broad, pale whitish-ochreous, with a waved toothed transverse brassy-brown band behind the middle, tinted in certain lights with greenish; legs and antennæ pale ochreous, with a reddish tinge. (L. 2½-3½ l.) On the coasts of Norfolk, Suffolk, &c.; Figgert Whins, near Edinburgh; also near Dublin: 4-6.

85 BEMBIDIUM Auctorum.

457 paludosum Pz. F. xx. f. 4. — Ste. M. ii. 30. — Brown or coppery-brass: elytra finely punctate-striated, with several remote, smooth, obscure spots in the interstices, and 2 4-drate golden impressions on the 3d from the suture; antennæ fuscous. (L. 2½-2½ l.) Swansea; Carlisle; Banks of Tees; Sheffield, &c.: 4-8.

458 impressum Fab. E. i. 246. — Ste. M. ii. 30. — De J. Ic. iv. pl. 211. f. 2. — Greenish-brass, above opaque; elytra slightly punctate-striate, with 2 somewhat 4-drate pale golden or silvery impressions on the 3d interstice, the space between, before, and behind violet; thorax transverse; legs and base of the antennæ pale red. (L. 2½ l.) Very scarce: locality not known.

459 flavipes L. ii. 658. — Ste. M. ii. 30. — De J. Ic. iv. pl. 223. f. 4. — Brown-brassy; slightly pubescent, and finely punctured: elytra irregularly, thickly, and deeply punctured throughout, clouded with gisoseous, with 2 impressions near the suture; thorax heart-shaped; palpi, legs, and base of the antennæ pale. (L. 2-2½ l.) About London; Netley; Devonsh.; Carlisle, &c. 3-6.

460 pallipes Duft. ii. 197. — Stu. D. F. vi. pl. 155. f. B. — Ste. M. ii. 34. — Coppery-brass, slightly pubescent, very finely punctured: elytra rather smooth, clouded with greenish, faintly striated on the back, with 2 impressions on the 3d interstice; legs and base of the antennæ pale yellow; the basal joint of the latter a little bronzed. (L. 2½-3½ l.) Cromer; Swansea; Aldborough: 3-6.

Fam. 7. ELAPHRIDÆ Stephens.

Ixxxvi. NOTIOPHILUS Body depressed: palpi robust, the terminal joint short, rather swollen: labrum large, rounded: head as wide as the thorax, with the front grooved: eyes large: tho. 4-drate: elytra somewhat parallel, with a brilliant space on the disc: 3 with 3 basal joints of anter. tarsi scarcely dilated.
lxxxvii. Elaphrus Body rather convex, palpi slender, terminal joint elongate, obconic, longer than the preceding; labrum slightly 3-lobed, transverse; eyes very large and prominent; tho. dilated on the sides; elytra wide, mammillated; with 4 basal joints of anter. tarsi slightly dilated.

lxxxviii. Blethisa Body convex; palpi short, terminal joint elongate, obconic, as long as the preceding; labrum somewhat 3-lobed; tho. 4-drate, sides slightly rounded; elytra elongate-ovate, with several deep impressions; with 4 basal joints of anter. tarsi dilated.

lxxxix. Pelophila Body slightly convex; palpi with terminal joint elongate-ovate, truncate; labrum slightly notched, transverse; tho. heart-shaped, truncate; elytra wide, with impressed dots; with 3 basal joints of anter. tarsi dilated.

86 Notiophilus Dumeril.

461 aquaticus L. ii. 658.—Don. viii. pl. 351. f. 2. ? — Ste. M. ii. 32, and v. 388. — Brassy; glossy: forehead more or less striated longitudinally; thorax with the limb punctured; elytra punctate-striate, the striae not reaching to the tip, enclosing a broadish highly polished space towards the suture; legs entirely, and antennae brassy-black. (L. 2\1/2-3 l.) Common everywhere: (*). *

462 tibialis Ste. M. v. 388. — Brassy; glossy: head rather wide, striated in front; thorax punctured on the margin; elytra punctate-striated, the striae vanishing before the tip, and enclosing a narrow highly polished space near the suture; tibiae and antennae at the base pitchy-testaceous. (L. 2\1/2-2\3/4 l.) Also common near London: at Cambridge, &c.: and on Snowden: (\*). 

463 rufipes Cur. vi. pl. 254. — Ste. M. ii. 190. — Brassy-copper above: head very wide; deeply striated in front; elytra punctate-striated, with a very broad longitudinal polished space towards the suture; the apex faintly striated and pitchy; antennae at base and legs entirely red. (L. 2\3/4-3\1/2 l.) Rare: near Carlisle: Gravesend: Windsor: 4-6.

464 biguttatus Fab. E. i. 247. — Ste. M. ii. 33. — No. semipunctatus, Stu. D. F. vii. pl. 183. f. A. — Broad; brassy-black, shining: thorax short, punctured, disc rather smooth; elytra very closely striated on the sides, the striae deeply punctured, and extending to the apex, which is sometimes pale, or ochreous; antennae at the base pitchy. (L. 2\1/2-2\3/4 l.) Abundant near London: also in Scotland: found near Newcastle: Marion: (\*), (*).

465 palustris Duft. ii. 192. — Ste. D. F. vii. pl. 183. f. B. — Ste. M. v. 389. — Rather narrow, brassy-black; shining: thorax short, the margins punctured; elytra rather finely punctate-striated, the striae not extending to the apex, and enclosing a widish polished space towards the suture; antennae and palpi at the base, and tibiae entirely pale-testaceous. (L. 2\1/2-2\3/4 l.) Near London: (\*).

466 4-punctatus Dej. Sp. ii. 280. — Ste. M. ii. 190. — Coppery; shining: head narrow, with the front deeply striated; thorax with the edges punctate, the disc faintly rugged; elytra punctate-striate, the striae not extending to the apex, and enclosing a broad polished space towards the suture, in which are 2 deeply impressed dots; base of the antennae and of the tibiae pale. (L. 2 l.) Near Carlisle, and in Scotland: rare near London: 5-6.

87 Elaphrus Fabricius.

467 uliginosus Fab. E. i. 245.—Cur. iv. pl. 179. — Ste. M. ii. 33. — Brassy-black, green, or bronzed: thorax wider than the head, deeply punctate; elytra with 4 rows of oscillated violaceous circular spots, interrupted with
shining spaces; tibiae and tarsi blue-black. (L. 4-4½ l.) Coombe Wood; Swansea; Devon; Cambridge; Fyfield, Hants, &c.: 4-6.

468 cupreus Dufit, ii. 194. — Ste. D. F. vii. pl. 182. f. A. — Ste. M. ii. 34. — Glossy-brass: thorax as wide as the head; deeply punctate; elytra with 4 rows of ocellated blue or violet-green circular spots, interrupted with polished brassy spaces; tibiae pale testaceous, the external tip bluish-black. (L. 3½-4 l.) Hampstead; Battersea fields; Hertford; Newcastle; Marstow; Carlisle; Whittlesea Mere, Scotland: rare: 3-6.

469 Lapponicus Gyld. ii. 8. — Ste. M. v. 389. — Oblong; coppery or brassy-green, or bluish above: head and thorax very much punctured; the latter slightly foveolated; elytra sparingly punctured, with about 20 violet or bluish ocellated round spots disposed in 4 rows; and some obscurely elevated lines; tibiae bronzed-green. (L. 4-4½ l.) Catlaw, a mountain in Forfarshire: 4-5.

470 riparius L. ii. 658. — Don. ix. pl. 301. — Ste. M. ii. 35. — Brassy-green, or bluish, rarely purpish; very thickly punctulated: thorax slightly foveolated, with a short dorsal channel, and thickly punctured beneath; elytra with 4 rows of brassy-copper, or violet ocellated round spots; tibiae, and sometimes the base of the thighs, testaceous. (L. 3-3½ l.) Common: pond sides, London district; Swansea; Bristol; Devon; Carlisle; Newcastle; Scotland, &c.: 4-7.

88 Blethisa Bonelli.

471 multipunctata L. ii. 672. — Ste. M. ii. 36. — Cur. vii. pl. 326. — Bronzé-black; shining; margins of the thorax and of the elytra bright-green or coppery: the latter punctate-striated, and with 2 rows of deep shining brassy foveæ. (L. 5 l.) London district; Cambridge, common; near Carlisle; in Suffolk; rare in Scotland; Ireland: 3-6.

89 Pelophila De Jean.

472 † borealis Fab. E. i. — Cur. vii. pl. 302. — Ste. M. v. 390. — Brassy-black, shining: thorax on the sides and elytra coppery; the latter punctate-striate, with 2 rows of rather large impressions; tips of thighs, tibiae, and joints of tarsi dusky. (L. 7 l.) Sandy shore of Lough Neagh, Ireland.

§ 1. Stirps 2. HYDRADEPHAGA.

Fam. 8 DYTICIDÆ. Ant. long, setaceous: legs unequal, posterior pair longest, deeply fringed, with broad flat tarsi (also fringed) terminating in a point: \( \overset{\circ}{\text{with \ anter. tarsi more or less dilated: } \overset{\circ}{\text{sometimes with}} \overset{\circ}{\text{elytra sulcated.}} \)

Fam. 9 GYRINIDÆ. Ant. short, clavate, rigid, the 2d joint with a lobate appendage: tho. transverse, waved before and behind: legs unequal, the 2 anterior very long, gressorial, the 4 posterior very short, compressed and formed for swimming: eyes divided, appearing as 4; 2 above and 2 below.

Fam. 8. DYTICIDÆ Leach.

xc. Halipetus Ant. 10-jointed, inserted on the forehead: max. palpi with the terminal joint minute and subulate: post. coxae dilated into a large shield covering the base of the legs, which are somewhat gressorial; claws didactyle.

xci. Cnemidotus Ant. 10-jointed, inserted in front: max. palpi with the terminal joint larger than the preceding, conical: post. coxae dilated as in
Haliphus; with an obscure tooth behind: legs slender, somewhat gressorial: claws didactyle.

xci. Pselphorus Ant. 11-jointed, inserted below the margin of the forehead: scutel. distinct: body somewhat globose: legs gressorial: coxae slender: claws didactyle.

xcii. Hypnites Ant. 11-jointed: max. palpi with terminal joint somewhat acute: scutel. wanting: body nearly globose: legs natatorial; 4 anter. tarsi 4-jointed, nearly equal in both sexes; the last joint short; post. tarsi compressed, with 1 moveable claw.

xciv. Hygrotopus Ant. 11-jointed: max. palpi with terminal joint swollen, ovate-conic: scutel. wanting: body very convex: legs elongate; 4 anter. tarsi 4-jointed, nearly equal in both sexes; post. pair 5-jointed; claws all didactyle.

xcv. Hydroproporus Ant. 11-jointed: max. palpi with terminal joint somewhat cylindric, truncate: scutel. wanting: body depressed: legs slender; 4 anter. tarsi 4-jointed, nearly equal in both sexes; post. pair 5-jointed and slender, with equal moveable claws.

xcvi. Noterus Ant. 11-jointed, fusiform (one or other of the central joints dilated in the ?): labial palpi with terminal joint very broad, notched at the tip: body convex, narrowed behind: thor. produced in the middle behind: scutel. concealed: hinder tibiae short; tarsi all 5-jointed, posterior with equal moveable claws: anter. tibiae of ? short, toothed within.

xcvii. Laccophilus Ant. 11-jointed setaceous, slender: labial palpi with terminal joint elongate, acuminate, bent: body flattish, acute: tho. produced in the middle behind: scutel. concealed: tarsi all 5-jointed, posterior with unequal claws, the upper one porrect and fixed.

xcviii. Colymbetes Ant. 11-jointed, slender, setaceous: palpi filiform; ext. max. with 2d and 3d joints equal, 4th with the tip obtuse: scutel. distinct: tarsi all 5-jointed; claws unequal, porrect, upper one mostly fixed, and larger than the lower; 4 anter. tarsi of ? with the 3 basal joints dilated.

xcix. Agabus Ant. 11-jointed (of the ? with 8th—10th joints compressed, internally dilated and serrated, 11th small, acuminate): ext. max. palpi with 2d and 3d joints equal, the 4th subulate: scutel. distinct: tarsi all 5-jointed; claws unequal; didactyle: anter. tarsi in ? slightly dilated.


ci. Dyticus Ant. 11-jointed, setaceous: ext. max. palpi with 2d and 3d joints equal, the terminal one rather obliquely truncate: scutel. distinct: tarsi all 5-jointed; with 2 equal moveable claws: anter. tarsi of ? patellated, interm. dilated at base: ? with elytra generally sulcate.


ciii. Acilus Ant. 11-jointed, setaceous: ext. max. palpi with 2d and 3d joints unequal; the 4th rounded at the top: scutel. distinct: tibiae short: tarsi all 5-jointed, post. didactyle, the inner claw very minute: anter. tarsi of ? patellated, interm. simple in both sexes: ? with the elytra sulcate.

90 Haliphus Latreille.

473 elevatus Ps. F. xiv. f. 9. — Ste. M. ii. 39. — Elongate, pale testaceous:
eyes dusky; elytra punctate-striated, the striae mostly blackish; suture black; 3d interstice elevated in front; legs pale testaceous; the interstices are more or less suffused with black. (L. 2 l.) Bexley; Cambridge; Thruxton, Hants, &c.: 4-6.

474 mucronatus Leach. — Ste. M. ii. 40. pl. xi. f. 1. — Ovate, acuminate; rusty-red, shining: thorax punctulate throughout, especially at the base; elytra finely punctate-striate, the interstices smooth, spotless, the apex mucronated; legs rusty. (L. 2-2½ l.) Swansea; Bottisham; Hertford; Suffolk: 4-5.

473 parallelus Ent. Tr. (Bab.) ii. 178. pl. xv. f. 5. — Dusky-yellow, shining: thorax punctured, disc smooth; sides nearly straight, not in continuity with the elytra, which are dilated at the base, then straight and parallel about 3/8s of their length; the disc deeply punctate-striate, interstices with a row of minute dots; the large punctures and the suture generally dusky; legs pale. (L. 2 l.) Cambridge, and near London: 5.

476 ferrugineus Gyll. i. 546. — Ste. M. ii. 40. Ent. Tr. (Bab.) ii. 176. pl. xv. f. 2. — Reddish-testaceous; shining: thorax narrowed in front, the sides straight, margins coarsely punctate, disc smooth; elytra not in continuity with the thorax, deeply punctate-striate, the interstices with a row of minute dots; the larger punctures dark; legs pale. (L. 1 1/2 l.) Cambridge; London district; Marton, &c. (c).

477 subnubilus Ent. Tr. (Bab.) ii. 177. pl. xv. f. 3. — Dull red; thorax as in Ha. ferrugineus; elytra much dilated at the base, gradually decreasing in width until past the middle, and then rather suddenly narrowed; they are deeply punctate-striate, the interstices with a row of minute dots, the larger punctures and several blotches dark, the latter forming 2 irregular bands meeting at the suture; legs pale. (L. 1 1/2 l.) Also found at Cambridge, and in London district: 4.

478 fulvus Fab. E. i. 171. — Ste. M. ii. 40. var. β. — Ent. Tr. (Bab.) ii. pl. xv. f. 4. — Reddish-yellow, shining: thorax as before; elytra much dilated at the base, continuing to increase in width for about 1/3 of their length, from that point narrowing in a gradually increasing curve to the apex, punctate in Ha. ferrugineus, the larger punctures, and a few oblong spots between the striae dusky. (L. 2 l.) Cambridge; London district; Carlisle, &c. (c).

479 rubieundius Spence? — Ent. Tr. (Bab.) ii. 178. pl. xv. f. 5. — Oval; dull red, shining; head minutely punctured, vertex smooth; thorax and elytra in continuity at the base; the disc of the former smooth, and of the latter deeply punctate-striate, with a row of minute dots between; the suture, larger punctures and numerous irregular clouds darker; legs dull red. (L. 1 1/2 l.) Cambridge; Hull; London district: 4-6.

480 obliquus Fab. E. i. 270. — Pz. F. xiv. f. 6. — Ste. M. ii. 41. — Somewhat ovate; pale testaceous-yellow; finely punctate; head with a blackish line behind; thorax rather coarsely punctured, especially behind; elytra finely punctate-striate, the base, suture, an irregular interrupted band, and a patch near the apex black; the spots sometimes united. (L. 1 1/2-2 l.) Wimbridon Common; Bottisham; Marton; Kimpton; Newcastle, &c.: 4-6.

481 confinis Kirby. — Ste. M. ii. 41. — Testaceous-red, finely punctured: elytra faintly punctate-striate; the striae dusky, the interstices spotless and impunctate; sometimes the striae are transversely fuscous, and the colours united at the apex. (L. 1 1/2 l.) London district; Norf. and Suff.: 3-6.

482 livicatocollis Marsh. i. 429. — Ste. M. ii. 41. — Ha. bistriolatus Steu. D. F. viii. pl. 202. f. C. — Somewhat ovate; testaceous; thorax with a curved impressed striola on each side at the base, and a black longitudinal line; elytra pale, punctate-striato: interstices with some minute punc-
tures and obscure brownish spots. (L. 1 1/2-1 3/4 l.) London district; Hertford; Bottisham; Carlisle; York; Devon, &c. 

483 ruficolis De Geer, iv. 404. pl. 16. f. 9, 10. — Ha. margin-punctatus Ste. M. ii. 42. — Short, ovate; griseous-yellow, or fuscous; thorax finely punctured, with an impression on each side at the base; elytra punctate-striate, the interstices with a few scattered impressions; on the margin a few dusky spots; legs dusky. (L. 1 1/2 l.) Near London, and in Cambridge: 4-5.

484 fulvicollis Erich. i. 186.? — Ha. ruficolis Ste. M. ii. 42. — Dy. minutus Don. ii. 68. f. 1, 2. — Short, ovate; deep testaceoos-red; crown and base of abdomen pitchy: thorax punctate, with a minute stria on each side at the base; elytra punctate-striate, punctures dusky, the interstices smooth, and more or less spotted with fuscous; sutures dusky. (L. 1 1/2-1 3/4 l.)

Var.? Ha. melanochepalus Ste. M. ii. 43. — Pitchy testaceous, with the head black, elytra deeply punctate-striate, interstices spotted with dusky; legs testaceous. Abounds everywhere. ( , . , .

485 affinis Ste. M. ii. 42. — Aubé, tc. v. 21. pl. i. f. 4.? — Subovate: griseous-yellow: head testaceous, finely punctured; thorax deeply punctate on the margins, the disc obscurely so; the base with a short stria on each side; elytra faintly punctate-striated, the striae dusky; interstices impunctate and spotless. (L. 1 1/2 l.) London, and Cambridgeshire: 3-4.

486 brevis Kirby. — Ste. M. ii. 43. — Short, ovate; testaceoos-red: elytra obtuse, slightly cinerous, punctate-striate, the striae dusky, interstices spotless; thorax punctate throughout, the punctures coarse on the margins; the base with an obscure stria on each side. (L. 1 1/4 l.) Near London, and in Suffolk: 4.

91 Cnemidotus Illiger.

487 casus Duft. i. 284. — Dy. impressus Fz. F. xiv. f. 7. — Ste. M. ii. 39. — Somewhat ovate, convex; pale testaceoos-yellow, shining: thorax yellowish, with a deep transverse impression behind; elytra deeply punctate-striate, interstices impunctate; larger punctures dusky. (L. 1 1/2-2 l.) Near London; Putney; Hertford; Cambridge; Suffolk, &c.: .

92 P. elobius Schonherr.

488 Hermanni Fab. E. i. 255. — Don. xiv. pl. 501. f. 2. — Ste. M. ii. 44. — Dull red; a patch round the eyes; the anterior and posterior margins of the thorax, a large lobate common black spot on the elytra, the breast and apex of the abdomen black. (L. 5-5 1/2 l.) Ditches near London; in Norfolk; Suffolk; Cambridge; near Andover; Newcastle: 4-6.

93 Hyphidrus Illiger.

489 ovatus L. i. 667. — Ste. M. ii. 45. — Dy. ferrugineus, Don. ii. pl. 68. f. 3, 4. — Short, ovate, ferruginous; elytra brown, spotless, the margin paler: of a deeper hue, the thorax and elytra thickly and coarsely punctured, the latter glabrous and shining; in the obscure and silky, and finely punctured. (L. 2-2 1/2 l.) London district; Cambridge; Norfolk; Suffolk; Marton; Newcastle, &c. .

490 variegatus Ill. K. i. 272? — Ste. M. ii. 45. — Elongate-ovate, rather narrowed behind, and a little flattened; pale dull red, thorax with 2 obscure dusky spots at the base; elytra dull rust-colour, with the margin and several spots and streaks pale testaceoos-yellow: coarsely punctate, glabrous and shining; finely punctured and opaque. (L. 2 1/2-2 3/4 l.) Wimbledon Common, and Epping Forest: 3-5.
Hygotus. 65

94 Hygotus Stephens.

491 fluviatilis Leach. — Ste. M. ii. 46. pl. xi. f. 2. — Testaceous-yellow: thorax with a black dorsal line, and on each side with a curved impressed striola at the base; elytra obscurely striated, 2 of the striae distinctly punctated, the disc with an irregular black patch in front, and another behind, united by 3 or 4 black lines. (L. 11/2-1 3/4 l.) River Cawder, near Carlisle; Tavy, Devon; Netley, &c.; rare: 3-6.

492 Stephensii Ruddl. — Ste. M. v. 391. — Black; above testaceous-yellow: thorax with a faint cloud on the disc, the base with an impression on each side; elytra with a large black patch at the base, and 2 smaller ones near the tip, united by black lines, occasionally interrupted and partially confluent; legs and antennae rusty. (L. 1 3/4-1 1/2 l.) Stockton on Tees.

493 assimilis Ph. F. i. 236. — Ste. M. ii. 46. — Pitchy-ferruginous; above dull red, and thickly punctured: thorax with an obscure transverse impression in which are 2 dusky spots, the base with a curved fovea on each side; elytra with 5 more or less confluent longitudinal lines, the 2 outer ones shortest and interrupted by a large pale spot; suture fuscous. (L. 1 1/4 l.) River Plym, Devon; Netley; Aldborough: 3-5.

494 decoratus Gyll. ii. 16. — Ste. M. ii. 47. — Cur. xii. pl. 531. — Rusty-red: eyes black; elytra smooth shining pitchy-brown, with several deep scattered punctures and minute impressions, a large double pale spot at the base, and a transverse crescent of the same, connected with the outer margin. (L. 1 1/4 l.) Ashkam Bryan, Yorks.; and near Cambridge: 4-5.

495 confluentus Ph. E. i. 270. — Pz. F. xiv. f. 5. — Ste. M. ii. 47. — Glabrous; black: head and thorax pale rust-colour; elytra pale, with the suture and 4 abbreviated, more or less united, lines black. (L. 1 1/2-1 3/4 l.) Common near London; Kimpton; Newcastle; Whittlesea Mere; Norfolk, &c.: ☀.

496 collaris Pz. F. xxvi. f. 4. — Ste. M. ii. 47. — Ferruginous: thorax with the hinder margin dusky; elytra with the base and suture black, a short broken line parallel thereto, a 2d bent obliquely outward from the shoulder, and a short irregular double 1, frequently hooked, behind; sometimes united to the other; legs pale testaceous. (L. 1 1/2-1 3/4 l.) Var.? Hy. affinis Ste. M. ii. 48. — Hinder margin of thorax black: elytra with the disc black, with several obscure interrupted lines, and the outer margin rusty. — London district; S. Wales; Devon, &c.: 4-6.

497 reticulatus Fab. E. i. 273. — Ste. M. ii. 48. — Dull-red; thickly punctured; hinder margin of thorax dusky in the middle; elytra coarsely punctured, with minute punctures intermixed; disc black, the lateral margin, an angulated spot near the base, a line near the suture, and some interrupted ones in the middle, dull red; legs testaceous. (L. 1 1/2 l.) London district; Devon; S. Wales; Suffolk, &c.: 4-6.

498 inaequalis Fab. E. i. 272. — Oliv. E. iii. pl. 3. f. 29. — Ste. M. ii. 48. — Dull red; deeply punctured: thorax with the anterior and posterior margins black; elytra black, the lateral margin, and some irregular, more or less united, streaks on the disc dull red; legs pale rust-colour. (L. 1 1/4-1 3/4 l.) S. of England; Bottisham; Marton; Newcastle; Carlisle, &c.: 3-6.

499 seiculatus Spence. — Ste. M. ii. 49. pl. xi. f. 3. — Black; punctate: thorax with the sides dull red; elytra with the lateral margins irregularly pale testaceous, branching off towards the suture near the base, in the middle, and at the tip; near the scutel is a pale red spot; legs ferruginous, the posterior pair pitchy-black. (L. 1 3/4-1 1/4 l.) London district; Cambridge; Kimpton; York; Carlisle; Devon; Ireland, &c.: ☀.
§ A. Thorax with the sides rounded.—a. Elytra with the tip dentate.

501 Frater Spence. — Ste. M. ii. 50. pl. xi. f. 4. — Oblong-ovate, convex, black; above rusty-testaceous, somewhat opaque and very finely punctuolated: thorax pale, with a large bilobed black spot at the base; elytra with the suture and several regular longitudinal lines black; legs and base of antennae dull-red. (L. 1½-2 l.) London district; Carlisle; Camb.; Suff.; Hants; Newcastle; Scotland, &c.: ♀.

95 Hydroporus Claireville.

502 halensis Fab. E. i. 198. — Hy. areolatus Ste. M. ii. 51. — Oblong-ovate, rather flat, beneath pitchy-black; above pale, slightly pubescent: thorax rounded in front, the sides margined, the base impressed and varied with black; elytra with the suture and several irregular lines on the disc black; legs and antennae rusty. (L. 1½ l.) Carlisle; Cambridge; Bottisham; Tradesley and Netley, Salop: 3-7.

503 depressus Fab. E. i. 268. — Ste. M. ii. 51. — Dy. elegans Pz. F. xxiv. f. 5. — Subovate; rather flat; dull-red; above pale testaceous, somewhat opaque and finely punctuolated: thorax with edge of anterior and posterior margins and 2 spots on the latter black; elytra with the suture and several irregular lines on the disc black. (L. 1¾-2 l.) Oxford; Salisbury; Bottisham; Monxton, and Abbot's Ann, Hants; Winterborne Stoke, Wilts; Water of Leith; Esk, &c.: 3-10.

b. Elytra not toothed at the tip.

504 12-punctatus Fab. E. i. 270. — Don. xiv. pl. 496. — Ste. M. ii. 51.— Oblong-ovate; pale rust-colour; minutely stigulatated: thorax rounded on the sides, anterior and posterior margins black in the middle, that colour produced anteriorly into 2 lobes; elytra black, with 6 pale spots, placed 3, 3; legs and antennae pale rust-colour. (L. 2½-3½ l.) Near London; Kimpton; Devon; Carlisle; Netley; Marton; Newcastle, &c.: 3-6.

505 griseostriatus De Geer. iii. 103. — Ste. M. v. 391.— Oblong-ovate; rather flat; black: thorax pale, varied with black in the middle; elytra with the margin and several interrupted lines pale testaceous. (L. 2¼ l.) Near Carlisle and London: rare: 3-6.

506 lineatus Marsh. i. 426. ♀ — Ste. M. ii. 52. ♀ — Dy. parallelo-grammum Ahr. F. ii. f. 2. ♀ — Ste. D. F. ix. pl. 206. f. 1. ♀ — Hy. consobrinus Ste. M. ii. 52. ♀ — Oblong; beneath black; above pale testaceous (♀ shining and sparingly punctured; ♀ opaque and thickly punctured): thorax with a large rhomboid discoidal spot; elytra with the base, suture, and 5 longitudinal lines, black; legs pale testaceous. (L. 2½-2¾ l.) Near London; Norwich; Ipswich; Netley; in profusion at Southend: 3-6.

507 nigrolineatus Schou. S. ii. 33. pl. 4. f. 2. — Ste. M. ii. 52. — Oblong-ovate; beneath black; above pale rust-colour; opaque, finely punctuolated: thorax with a small black spot; elytra with the suture and 4 distinct lines black: legs ferruginous. (L. 2½ l.)

Var. Hy. 9-lineatus Ruddl. — Ste. M. ii. 192. — Smaller, with the base of the elytra, as well as the suture and 4 lines, black. (L. 2 l.) Weyhill and Isle of Bute: 6-9.

508 picipes Fab. E. i. 269. — Ste. M. ii. 52. ♀. — Hy. alternans Kunz. — Ste. M. ii. 53. ♀. — Oblong-ovate; black; above pale dull-red (♀ shining, coarsely and deeply punctured; ♀ opaque and finely punctuolated):
head with a bilobed black spot, or 2 dots behind; thorax with hinder edge dusky or black in the middle; elytra with the suture and 4 parallel lines black, the base in  \( \varphi \) with 6, and in  \( \varphi \) with 4 punctate striae; legs dull-red. (L. 2\( \frac{1}{2} \) l.) London district; Norfolk; Suffolk; Devons.; Swansea; Southend; Weyhill, &c.: 3-7.

509 dorsalis Fab. E. i. 269. — Pz. F. xiv. f. 2. — Ste. M. ii. 53. — Oblong-ovate; rather flat; pubescent; pitchy-red; thorax transversely impressed, its sides, and sometimes a broken band behind, dull-red; elytra with a dot at the base, and the sides irregularly dull-red; legs and base of antennae dull red. The red markings are at times nearly obliterated. (L. 2-2\( \frac{3}{4} \) l.) London district; Ely; Netley, &c.: 3-7.

510 opatrinus De Jean. — Ste. M. ii. 192. — Oblong-ovate; black; rather pubescent: thorax slightly cordate, with a bent transverse impression, the edges punctured; elytra irregularly punctured on the disc, which has several slightly elevated lines; legs and antennæ pitchy-black. (L. 2\( \frac{1}{4} \) l.) Netley, and near London: 7.

511 latus Rudd. — Ste. M. ii. 192. — Hy. ovatus, Stu. D. F. ix. pl. 207. f. c.? — Flat, ovate; broad; black; coarsely punctured: head behind and lateral margins of the thorax dull-red; disc of the latter with an obscure transverse elevation; elytra transversely pitchy-rust-colour at the base, the outer margins, legs and antennae pitchy. (L. 2\( \frac{1}{2} \)-2\( \frac{3}{4} \) l.) Marton; Hebden-bridge; Dorset, &c.: 5-7.

512 alpinus Ph. F. i. 226. — Ste. M. ii. 54. pl. xi. f. 5. — Oblong-ovate; slightly flattened; pitchy-black; above pale, glabrous: thorax somewhat 4-drate, with 2 interrupted black lines on the disc, bounded with a deep striola on each side; elytra rather acute, the suture and about 8 lines black; the latter united by a black patch towards the scutellum; and in some cases confluent. (L. 1\( \frac{1}{2} \)-1\( \frac{2}{4} \) l.) Mountain districts in Devon and N. of England; Tweed; Teviot, &c.; Netley: 5-7.

513 borealis Gyll. iv. 586. — Ste. M. v. 391. — Oblong-ovate; black; above testaceous-yellow: crown with a black crescent on each side; thorax punctured throughout, except an impunctate line on each side; elytra rather acute, with black (sometimes confluent) lines. (L. 1\( \frac{1}{4} \)-2 l.) Scotland: 7.

514 Davisii Cur. viii. f. 343. — Ste. M. v. 391. — Somewhat ovate; broad; black; above testaceous-yellow: crown with 2 black crescents behind; thorax with an impression on each side at the base, which last is more or less varied with black; elytra with 6 somewhat united black lines; and 2 lateral spots; legs pale; tips of tarsal joints black. (L. 2-2\( \frac{1}{2} \) l.) Hebden-bridge, in plenty: 5-7.


516. Cambriensis Davis. — Ste. M. v. 392. — Oblong; pubescent; dull-black; thickly punctured: head rusty, with 2 oblique black lines; thorax with the sides pale; elytra with a pale lateral line incurred at the base and apex. (L. 2 l.) S. Wales and Devon: 5-6.

517 tristis Ph. F. i. 232. — Ste. M. ii. 55. — Stu. D. F. ix. pl. 209. f. D. — Oblong-ovate, rather depressed; sparingly punctured; black: head large, pitchy-red, with a dusky patch between the eyes; elytra pitchy-red or fuscous, slightly pilose; legs dull-red; antennæ darker, with the base reddish. (L. 1\( \frac{1}{4} \)-1\( \frac{2}{4} \) l.) Kensington Gardens, &c.; near London: 5-6.

519. marmoratus Bakewell. — Ste. M. v. 438. — Slightly flattened; black: elytra pitchy-brown, with 4 oblique testaceous spots on each side at the base, the margin also testaceous, with brown lines; the apex with a rounded testaceous spot; legs ferrugineous. (L. 1½ l.) Nottingham.

§ B. Sides of thorax in continuity with those of elytra.

a. Elytra rather truncate at tip.

520 rufifrons Duft. i. 270.—Ste. M. ii. 56.—Sturm, D. F. ix. pl. 207. f. A. — Oblong-ovate, slightly convex; pitchy-black: head pitchy-red, finely punctured; thorax above finely punctured, the margins a little rounded; elytra coarsely punctate; slightly pubescent, the base and outer margin dull rusty-red: legs and base of antennae dull-red, tip of the latter dusky. (K. 2-2½ l.) Wandsworth Common; Netley, &c.: 2-4.

521 marginatus Kunzé, E. F. 67. — Ste. M. ii. 56. — Oblong-ovate; pitchy-black; pubescent: head dull-red, with a dusky spot on each side near the eyes, sometimes united; thorax punctate, the sides dull-red; elytra finely punctate, rusty-black, the margins paler at the base; legs and base of antennae dull-red, tip of the latter dusky. (L. 2 l.) Near London; Ulswater Lake; Cambs., &c.: rare: 3-5.

522 deplanatus Gyll. iv. 391.? — Ste. M. ii. 56. — Ovate, flat, pitchy-black, opaque, finely punctured, slightly pubescent: head dull-red in front, with a dusky line near each eye; thorax transverse, the sides very obscure red; elytra with the shoulders and lateral margin at the base dull-red; legs and base of antennae the same, tip of the latter dusky. (L. 2 l.) Also rare; Surrey and Croydon canals; Oxford: 3-6.

523 ferrugineus 1 crud. — Ste. M. ii. 193. — Flat, deep dull pitchy-red; head and thorax brighter, the outer margins of the latter dilated and red; elytra pitchy, with the base irregularly testaceous, and the apex paler; antennae and legs bright rust-colour. (L. 2 l.) Collingbourne Wood and Kimpton: 4-6.

524 subelongatus Ste. M. v. 392. — Somewhat flat and elongated; shining black, very thickly and coarsely punctured; thorax with the lateral margin and the legs dull-red. (L. 2 l.) North of England.

b. Elytra not truncate at the apex.

525 Scalesianus Ste. M. ii. 57. — Minute, dull rusty-red; black beneath; elytra dull chestnut, the outer margin paler, finely and thickly punctured throughout; legs and antennae testaceous-red, the latter palest. (L. ¾ l.) Norfolk.

526 unistriatus Ill. K. i. 266. — Ste. M. ii. 57. — Dy. parvulus Pz. F. xcix. f. 2. — Ovate, flattish, pitchy-black: thorax transversely testaceous, with a stria on each side at the base, in continuity with 1 on the elytra, these are finely punctated, black, with an obscure reddish patch near the shoulder, and an abbreviated stria parallel with the suture; legs dull-red. (L. ¾ l.) London district; Devon; Norfollk: 3-6.

527 geminus Fab. E. i. 272. — Ste. M. ii. 57. — Dy. trifidus Pz. F. xxvi. f. 2. — Oblong-ovate, flattish; black: head pitchy-red; thorax with a dull-red transverse band, terminated on each side by an oblique, deep stria, which is carried on to the base of the elytra; the latter are glossy black; with a band and some marginal blotches testaceous, and a stria
parallel with the suture extending to the apex; legs dull rusty-red. (L. 1-1 l.) Coombe Wood, in ponds; Appleshaw, &c.: 4-6.

528 minimus Sco1. 297. — Ste. M. ii. 58. — Minute, ovate, black: elytra with a submarginal line, 2 at the base and the apex, pale; legs red; antennæ dusky, the base pale. (L. ½-1 l.) London; Southend; Devon, &c.: 3-6.

529 granularis L. ii. 667. — Ste. M. ii. 58. — Stu. D. F. ix. pl. 211. f. c. — Oblong-ovate, flattish; black: thorax with the lateral margins generally testaceous; the base with a stria on each side; elytra sparingly punctured, and pilose, with 2 pale submarginal lines, and a streak on the margin itself; legs and base of antennæ testaceous. (L. ½-1 l.) Near London; river Cam; Netley; Weyhill; Cardew Mire, &c.: 4-6.

530 concinnus Ste. M. v. 392. — Oblong-ovate, slightly glossy, and finely punctured; very pale ochreous; head and thorax spotless; elytra with the suture broadly fuscous, and each with 5 distinct narrow lines of the same colour, extending to the apex. (L. 1¾ l.) Gravesend: 4.

531 ovalis Fab. E. i. 269. — Ste. M. ii. 58. — Oblong-ovate, slightly convex, dull-red: thorax with base and apex dusky; elytra rather narrowed behind, opaque, pubescent, with the suture red, 4 lines, and an oblique stripe on the margin, fuscous; legs and antennæ pale rusty. (L. 1¼-1¾ l.) London district; Crosby, near Carlisle; Bottisham; Marton, &c. 5.

532 pygmaeus Fab. E. i. 272. ? — Ste. M. v. 392. — Oblong-ovate; ferruginous; opaque; very minutely punctured: elytra fuscous, with 2 faint lines and the lateral margins yellowish-red; legs and antennæ ferruginous, tip of the latter dusky. (L. 1¼ l.) Near London: 5-6.


534 trivialis Spence? — Ste. M. ii. 59. — Ovate, rather convex; black; slightly pubescent: head pitchy; thorax with the hinder margin thickly punctate; the disc smooth; elytra narrowed towards the apex, thickly and coarsely punctured throughout; legs pitchy; antennæ pitchy-red at the base, dusky at the tip. (L. 1½ l.) London; Yorks.; Southend; Braid Hill, Scotland. 6.

535 minutus Ste. M. ii. 59. — Oblong-ovate, flattish; black: thorax with the hinder margin punctate, the sides broadly dull red; elytra slightly pubescent and punctured, with a faint elevated line on each towards the suture; legs and antennæ at base pitchy-red. (L. 1¼ l.) London; Southend and Netley: 5-6.

536 caliginosus Stephens — Dy. planus Marsh. i. 425. — Ste. M. ii. 60. — Oblong-ovate, flat; black: elytra obsolescently punctured, palish pitchy at the base, and a faint abbreviated stria in the middle of the base; body beneath, and legs pitchy; tibiae red. (L. 1¼ l.) Near London: 3-6.

537 memnonius Nicol. C. H. 33. — Stu. D. F. ix. pl. 208. f. A. — Hy. jugularis Babington. — Ste. M. v. 392. — Oblong-ovate, flattish; black; glabrous: crown behind, throat, antennæ and legs dull red; sides of thorax dusky-ferruginous; elytra nearly glabrous, more or less punctate. (L. 2-2½ l.) Boroughbridge, Yorks.; Berwick-upon-Tweed; Cambridge; Copford, Essex: 4-6.

538 melanoccephalus Marsh. i. 423. — Ste. M. ii. 60. — Oblong-ovate; slightly convex; black; glabrous, finely punctured; vertex behind pitchy-red; thorax glossy; elytra immaculate, sparingly punctate; legs pitchy-
black with the joints reddish; antennæ reddish at base, black at the tip. (L. 1½-1⅓ l.) Abundant in England and Scotland; ♀ ♂.

539 erythrocephalus L. F. No. 774.—Pz. F. ci. f. 3.—Ste. M. ii. 60.—Rather ovate, convex, black, shining; head red; thorax with the lateral margins more or less dull red; elytra very pubescent, deeply and thickly punctate; dusky, with the shoulders and lateral margins paler; legs and base of the antennæ dull red; tip of the latter dusky. (L. 1½-1⅓ l.) Also found everywhere; ♀ ♂.

540 planus Fab. E. i. 268.—Hy. flavipes Ste. M. ii. 61.—Ovate, slightly flattened; black; thickly but finely punctured; elytra fuscous, with the base and margin testaceous, densely pubescent; legs and base of the antennæ pale rust-colour. (L. 1⅓-2 l.) London district; Norfolk; Ely, &c.; 5-7.

541 xanthopus Ste. M. v. 393.—Broad, flatish; black; pubescent: lateral margins of thorax pale ochreous: elytra finely punctured, the base with a broad ochreous band, the margin also ochreous and irregularly extending at the apex upon the disc; legs reddish-yellow, the intermediate thighs with a brown belt. (L. 2 l.) Near London: 5.

542 ater Forst. C. i. 54.—Ste. M. ii. 61.—Ovate; flatish; black: antennæ and legs entirely ferruginous; elytra thickly punctured, very pubescent. (L. 2 l.)

Var? Dy. holosericeus Marsh. i. 427.—Ste. M. ii. 61.—Head dull red behind; lateral margin and base of the elytra dull red; apex of antennæ dusky. London; Norfolk; Ely; Hants; Wilts; Yorks.; Scotland, &c. ♀ ♂.

543 pubescons Gyll. i. 536.—Ste. M. ii. 61.—Oval, flat; very pubescent; finely and thickly punctured; head dull red behind; elytra testaceous, the disc with a short stria composed of large punctures; legs dull red, the thighs sometimes dusky; antennæ rusty at the base, black at the tip. (L. 1½-2 l.) London; Norfolk; Scotland, &c.; 3-6.

544 fuscatus Kirby.—Ste. M. ii. 62.—Ovate, black; slightly pubescent; head with a rusty streak behind; elytra flatish, pitchy-brown, finely and thickly punctured, base and lateral margins palish; legs dull red, with the base of the thighs pitchy; antennæ dusky, the base dull red. (L. 2 l.) London; Barham; Norfolk; Scotland, &c.; 3-4.

545 piceus Kirby.—Ste. M. ii. 62.—Hy. nitidus Steu. D. F. ix. pl. 207. f. B?—Oblong-ovate; flat; black; nearly glabrous; head reddish in front; thorax with the lateral margins obscurely reddish; elytra pitchy, with the sides paler, deeply punctate throughout; legs entirely dull red; antennæ dusky, with the base dull red. (L. 2¼ l.) London: Suffolk, &c.; 5-6.

546 oblongus Power.—Ste. M. v. 437.—Linear elliptic, a little narrowed behind; pitchy-black: head, legs and base of antennæ testaceous-red; elytra usually glabrous, lurid pitchy, very minutely and indistinctly punctured, with 3 rows of larger punctures; tip of antennæ dusky. (L. 2¼ l.) Cambridge: 3-5.

96 Noterus Clairville.

547 erassicornis Fab. E. i. 273.—Ste. M. ii. 63.—Pale ferruginous, shining: eyes black; elytra dull rusty-red, with the outer margin paler, the disc with 3 regular lines of punctures at the base; abdomen dusky: ♀ with a black ring towards the tip of the 4 anterior thighs. (L. 2½ l.) Battersea fields; Epping Forest; Whittlesea Mere; Mildenhall Drain, &c., Cambr.; and in Suffolk and Norfolk: 1-6.
NOTERUS. — COLOMBETES.

548 semipunctatus Fab. E. i. 271. — sparsus Cur. v. pl. 236. — Ste. M. ii. 63. — Dark ferruginous, shining: elytra darker, or dusky, with the margins paler, the disc with numerous coarse punctures, placed in 3 somewhat regular lines at the base, but scattered irregularly towards the tip; abdomen pale ferruginous. (L. 2-2½ l.) Near London; Kimpton; Southend; in Norfolk and Suffolk; 3-6.

97 LACCOPHILUS Leach.

549 minutus L. ii. 667. — Dy. interruptus Pz. F. xxvi. f. 5. — Ste. M. ii. 64. — Ovate; slightly convex; pale: head and thorax yellowish; elytra dusky-greenish, with the outer margin, some irregular spots connected therewith, and 1 or 2 faint lines, pale; legs dull red. (L. 2 l.) London district; Cambridge; Norfolk; Suffolk; near Marton, Carlisle, &c.; Duddingston Loch, Scotland; (c) *.

550 hyalinus De. G. iv. 406. pl. 15. f. 21-23. — La. minutus? Ste. M. ii. 64. — Oblong-ovate, flatish: thorax yellow, spotless; elytra greenish-brown, with the outer margin and some spots connected therewith, and at the base paler; legs yellowish. (L. 2 l.) With the preceding; but more frequently. (c) *.

98 COLOMBETES Clairville.

§ A. Lab. palpi with 2d joint longer than 3d: elytra striated transversely: —

Cymatopterus Eschscholtz.

551 Paykulli Erich. K. i. 149. — Co. striatus Clair. ii. 198. pl. 29 f. A.— Oblong; above fuscous: thorax dull red, blackish in the middle, elytra very finely striated transversely; body beneath epipleura and legs pitchy-black. (L. 8-9 l.) London district: 3-6.

552 striatus L. ii. 665.? — Ste. M. ii. 68. — Mart. C. pl. 34. f. 27.? — Oblong; above fuscous: thorax testaceous, with a short black stripe in the middle; elytra transversely strigose; body beneath black, epipleura testaceous; legs and edges of the abdominal segments dull red. (L. 8-9½ l.) London district; Norfolk; Suffolk; Devon; Dorset; Cambridge; Glouc.; Marton; Carlisle; Scotland, &c. (c).

553 fuscus L. ii. 665. — Clair. ii. 200. pl. 29. f. B. — Ste. M. ii. 69. — Oblong-ovate; above fuscous: thorax and lateral margin of the elytra testaceous, and the latter transversely strigose; the former dusky in the middle; body beneath black; epipleura testaceous; and legs fuscous. (L. 8-9 l.) With the preceding; most abundant at Whittlesea Mere: 3-6.


554 pulverosus Knoch. — Ste. M. ii. 69. pl. xii. f. 2. — Oblong-ovate; slightly depressed; above yellowish; beneath black: head behind, and a transverse spot in the middle of the thorax, black; elytra very thickly irrorated with black, leaving the outer edge and a narrow line on the suture spotless; on the disc are 3 punctate lines; 4 anterior legs yellow, hinder pair black with tips of thighs pale. (L. 6-6½ l.) London district; Kimpton; Appleshaw; Cambridge, &c., 3-5.

555 notatus Fab. E. i. 267. — Oliv. iii. pl. 5. f. 47. — Ste. M. ii. 70. — Oblong-ovate, slightly convex; above testaceous; beneath black: crown black, with two pale spots; thorax with the base and a spot in the middle black; elytra thickly irrorated with black, the outer edge and a narrow sutural line pale; tip of sternum testaceous; abdomen of ♀ with edges of
segments yellow, of ♀ yellow with black spots on the sides; legs yellowish. ♀ with the base of the elytra thickly covered with short striae. (L. 5 l.)

Wandsworth Common; Southend; Cambridge; Bottisham; Whittlesea Mere, Aberystwith; Carlisle, &c.: 3-6.

556 exotetus Forst. C. 57.—Ste. M. ii. 70.—Dy. adspersus Pz. F. xxxviii. f. 18. — Oblong-ovate, yellowish: crown with a narrow black stripe, in which are 2 pale dots; thorax immaculate, or with 2 brownish spots on the hinder margin; scutellum black, the tip pale; elytra very thickly irrorated with black, and with 3 irregular punctate striae; 4 anterior legs yellowish, posterior pair darker. (L. 5 l.) Near London; Cambridge; Whittlesea Mere; Netley; Carlisle; Near Edinburgh, &c. 3-5.

557 bistriatias Berg. Nom. i. 42. pl. 8. f. 5. — Dy. agilis Pz. xc. f. 2. — Ste. M. ii. 71. — Oblong-ovate; above yellowish, beneath black: crown and the anterior and posterior margins of the thorax in the middle black; elytra thickly irrorated with black, the outer edge and a line near the suture spotless; the disc with 2 punctate striae; sternum at the tip and legs dull red; thighs with a dusky spot; ♀ with the elytra obscurely strigose. (L. 5-5½ l.) Kensington Gardens; Cambridge; Whittlesea Mere; Exeter; Norfolk; Marton: 9-5.

558 adspersus Fab. E. i. 267. — Ste. M. ii. 71. pl. xii. f. 3. — Oval; above testaceous: crown black, with 2 pale spots; thorax with 2 very faint spots on the hinder edge; elytra thickly irrorated with black, the outer edge and a faint sutural line clear, the disc with 3 punctate striae; breast black; sternum testaceous; abdomen black, with the edges of the segments testaceous; legs yellowish. (L. 5 l.) Cambridge and Whittlesea Mere, and in Norfolk: 3-6.


559 agilis Fab. E. i. 266. — Co. oblongus. Ste. M. ii. 65. pl. xii. f. 1. — Oblong; ferruginous, finely punctulate; crown dusky; thorax with the disc blackish, edges dull red; elytra fuscous, with the margin pale, disc with several irregular striae; breast and abdomen black; legs and antennae dull red. (L. 3½-4 l.) Cambridge; Whittlesea Mere; Horringtons Fen; in Norfolk &c.; rare near London: 3-6.

560 arcticus Pk. F. i. 201. — Ste. M. ii. 194. — Oblong-ovate; finely reticulate-strigose; black: head red in front, with 2 pale spots behind; thorax pale reddish-yellow, with the anterior and posterior margins black (or nearly black, with the sides alone pale); elytra fuscous, with the lateral margins pale; margins of abdominal segments and the legs pale testaceous; sternum dull red. (L. 3½ l.) In Scotland but rare: 6.

§ D. Palpi as in § C. Elytra smooth: body more or less ovate, slightly convex, obscure; crown generally with two red dots; hinder legs in ♀ ciliated on both sides, of the ♀ on one side only: — Agabus Erichson.

a. Post. tarsi with basal joint alone ciliated beneath in ♀.

561 guttatus Pk. F. i. 211. — Ste. M. ii. 66.—Dy. fenestratus Pz. F. xc. f. 1. — Oblong-ovate; flattish; thickly and very finely punctulated throughout; shining black: elytra with 2 rounded pale spots, a row of punctures near the suture, and 3 rows of punctate striae on the disc; legs and antennae rusty-pitchy. (L. 4 l.)

Var. Co. fontinalis. — Ste. M. ii. 66. — More oblong and convex, with the upper surface tinged with brassy; the 2d spot on the elytra nearly obliterated.
London district; Kimpton; Salop; Devon; Newcastle; near Edinburgh, &c. 2-6.

562 chalconotus Ill. K. i. 260. — Pz. F. xxxviii. f. 17. — Ste. M. ii. 76. — Oblong-ovate; slightly convex; very finely reticulate-strigose; above brassy-black; shining; beneath black; sides of thorax and of elytra dull pitchy-red; disc of the latter with 3 rows of scattered impressions; legs pitchy-red; posterior pair darkest. (L. 4 l.)

Var. ? Co. cyanus Ste. M. v. 394. — Elytra blue-black, shaded off towards the margins to pitchy; disc scarcely reticulated; femora dusky. London district; Kimpton; Swansea; Netley; York; Scotland, &c. (L. 3-3½ l.)

563 montanus Leach. — Ste. M. ii. 76. — Ac. neglectus Erich. K. i. 158? — Somewhat ovate; slightly flattened, very finely reticulate-strigose; brassy-black, with the edges of the thorax concolorous; coronal dots obsolete; elytra with the lateral margin dull pitchy; the disc with 3 faint punctate striae; legs pitchy-red. (L. 3-3½ l.) Dartmoor; Netley : 3-6.

564 nigroenaeus Marsh. i. 428. — Ste. M. ii. 77. — Oblong-ovate; rather convex; finely reticulate-strigose; above brassy-black: with the mouth, and margins of the thorax and of the elytra pitchy-brown; the disc of the latter with 5 punctate striae; body beheath, legs and antennae pitchy-red. (L. 4½ l.) London district; Epping Forest; Southend; in Scotland: 3-6.

b. Post. tarsi, with 2 basal joints ciliated beneath in 3.

565 affinis Ph. F. i. 211. — Ste. M. ii. 78. — Stu. D. F. viii. pl. 197. f. A. — Oblong-ovate, slightly convex; finely punctate-strigose; black: elytra with 2 slender pale pellucid streaks, and 3 rows of irregular punctures; base of antennae and legs red. (L. 3 l.) Near London; Netley; and in Norfolk: 3-4.

566 paludosus Fab. E. i. 266. — Ste. M. ii. 74. — Oval; flattish; smooth, glossy-black: sides of thorax broadly ferruginous; elytra with 2 regularly and 1 irregularly punctate striae; fuscous, with the base and margins testaceous-yellow; legs dull ferruginous; posterior pitchy; abdomen sometimes testaceous beneath. (L. 3½ l.) Running streams; near London; Bottisham, Bristol, Swansea, Netley; in Devon, Hants, Wilts, &c. : 3-9.


c. Post. tarsi with 3 basal joints ciliated beneath in 3.

568 congner Ph. F. i. 214. — Ste. M. ii. 73. — Oval; flattish; very finely punctulate, substrigose; black: elytra fuscous, with the outer margin paler, the disc with 3 irregular punctate striae: legs dull red; thighs pitchy, with dusky spots. (L. 3½ l.) Suffolk and Norfolk; rare near London: 6.

569 femoralis Ph. F. i. 215. — Ste. M. ii. 77. — Co. assimilis Stu. D. F. viii. pl. 196. f. C. — Oblong-ovate; flattish; punctulated; brassy-black, with the sides of the thorax and of the elytra paler; legs reddish; anterior thighs thickened, of the 3 with a dense pale fringe of hairs beneath, of the 2 with a slighter one. (L. 2½-3 l.) Kensington Gardens; Southend; Cambridge; S. Wales; Longnor, Salop; Parley Heath, &c. : 3-9.

570 uliginosus L. ii. 667. — Ste. M. ii. 78. — Stu. D. F. viii. pl. 196. f. B. — Oval; convex; slightly punctulated; shining black, or with a brassy tinge; with the sides of the thorax and of the elytra, and the legs and antennae, rusty-red. (L. 3½ l.) Windsor; Southend; Winterborne Stoke, Weyhill; Edinburgh; and Aberdeenshire: 4-9.

571 abbreviatus Fab. E. i. 265. — Pz. F. xiv. f. 1. — Ste. M. ii. 75. —
Oval; finely punctulate; head dull red; sides of thorax obscurely ferruginous; elytra with a short waved band near the base, a double spot (sometimes divided) towards the outer margin, beyond the middle, and at a minute dot near the apex pale-testaceous; legs and margins of abdominal segments reddish. (L. 3½ l.) Windsor; Larden, Salop; Norfolk; Whittlesea Mere in plenty: 4-7.

572 maculatus L. ii. 666. — Don. xiv. pl. 501. f. 1. — Ste. M. ii. 74. — Oval; finely punctulated; above black; thorax pale yellowish, its anterior and posterior margins black; elytra with pale longitudinal lines, and spots (more or less united, or sometimes interrupted, or nearly obsolete), and a pale margin; legs reddish. (L. 3½-4 l.) Devonshire; Cherwell, Oxon; Buxton; Bottisham; Kimpton; Glanville's Wootton; near Edinburgh, &c.: 3-9.

d. Post. tarsi with 4 basal joints ciliated beneath in the 3.

573 vitreus Pk. F. i. 217. — Ste. M. ii. 75. — Dy. didymus Oliv. E. iii. pl. 4, f. 37. — Ovate; smooth; black: head reddish in front; thorax with the extreme sides dull rusty; elytra brassy, with a double whitish transparent spot near the outer margin, and a smaller one towards the apex; the disc with 3 regular punctate striae; legs reddish, the thighs beneath and base of tibiae dusky. (L. 4 l.) London district; Dartmoor; Bristol; Swansea; Netley, &c.: 4-7.

574 nebulosus Forst. C. 56. — Ste. M. ii. 72. — Dy. 2-punctatus Don. ix. pl. 303. — Ovate, flattish; above yellowish; beneath pitchy-black; thorax with 2 round approximating black spots; elytra irrorated with black, with a line down the suture; the outer margin and a spot in the middle of the latter clear: tip of abdomen and the legs dull red. (L. 4-4½ l.) London district; Norfolk; Hants; Yorkshire; Devon; Newcastle; Edinburgh, &c.: 3-9.

575 subnebulosus Hope. — Ste. M. ii. 72. — Ovate; above yellowish; breast pitchy-black; abdomen testaceous; thorax spotless, middle of its hinder margin dusky; elytra irrorated with dusky, the outer margin, suture, and spot on the edge, clear; legs testaceous. (L. 4 l.) Aldborough, Suffolk: 5-6.

576 conspersus Marsh. i. 427. — Ste. M. ii. 72. pl. xii. f. 4. — Oblong-ovate; grisaceous yellow above; black beneath: crown broadly black, with 2 distinct red spots; thorax spotless; elytra very obscurely irrorated with dusky; abdominal segments edged with testaceous; legs pitchy-rust colour; thighs dusky. (L. 4-4½ l.) Near London; in plenty at Southend: 4-6.

577 vittiger Gyll. iv. 379. — Ste. M. ii. 81. — Oblong-ovate; faintly reticulate-stribose; brassy-black; elytra with 3 irregular rows of punctures, and a reddish rather oblique, and sometimes obsolete, line towards the middle of the outer edge: legs pitchy-red. (L. 4½ l.) Pits at Weyhill; Dartmoor, &c.: 5-9.

578 striolatus Gyll. i. 508. — Ste. M. ii. 77. — Oblong-ovate; flattish; finely striated longitudinally, the striae sometimes anastomosing; black: mouth, labrum and edge of the forehead dull red; elytra with 3 very irregular rows of punctures; anterior edge of thorax and margins of the abdominal segments dull red; legs rusty-red, with the thighs pitchy. (L. 3½ l.) Near London: 5-6.

579 brunneus Fab. E. i. 266. — Co. ferrugineus Ste. M. ii. 79. — Ovate; convex; testaceous-red or ferruginous above, shining; very smooth, spotless; elytra rather darker, with the base and outer edge a little paler; plura and abdomen black; 4 anterior legs pitchy-red; hinder pair pitchy-black; antennae short, reddish. (L. 4-4½ l.) Dartmoor, and near Caernarvon: 5-6.
e. *Post. tarsi* with all the joints ciliated beneath in the ♂.

580 confinis *Gyll*. i. 511. — *Ste. M.* ii. 80. — Oval; flattish; black; head and thorax finely punctulate: elytra very smooth, the outer edge indeterminately pitchy-testaceous, the disc with 3 irregular rows of punctures at the base; hinder segments of the abdomen edged with dull red; legs pitchy-black; anterior tibiae and tarsi reddish. (L. 4 l.) London district, and Netley: 5-6.

581 Sturmi *Gyll*. i. 493. — *Ste. M.* ii. 78. — *Stu. D. F.* viii. pl. 195. f. G. — Oval; very delicately reticulate-strigose, black: sides of thorax, antennæ and legs dull red; elytra fusaceous, with the outer margin pale or yellowish; the disc with 3 obscure rows of punctures. (L. 4-4½ l.) London district; Cambr.; Abbots' Ann; Newcastle; Edinburgh, &c.: (♀). 582 aterrimus *Ste. M.* ii. 79. — Somewhat ovate; very obscurely striated; black, with a brassy tinge and slightly shining: crown immaculate; elytra immaculate, with 3 very obsolete rows of punctures at the base, and some rather distinct ones towards the tip; legs pitchy-black; antennæ red. (L. 4 l.) London district: 6.

583 bipustulatus *L.* ii. 667. — *Oliv.* iii. pl. 3. f. 26. — *Ste. M.* ii. 80. — Ovate; rather flattened behind; the entire surface thickly and distinctly covered with slender longitudinal anastomosing striae; black: crown with 2 very distinct red spots; legs pitchy; elytra variable in tint, more or less pitchy, or testaceous, with 3 rows of punctures. (L. 4½-5½ l.) Var. Co. Snowdonius *Ent. M.* (Newm.) i. 55. — *Ste. M.* v. 394. — Blackish; elytra with 3 obscure elevated lines. Common everywhere: (♀). *.* Var. Snowdon.

584 Grapi *Gyll*. i. 505. Akr. F. vi. 1. — *Ste. M.* ii. 67. — Oblong-ovate; flat; finely punctulate; black; crown with a dull red crescent; thorax short, waved behind, the hinder angles acute; elytra with 3 faint punctate striae; mouth, antennæ and anterior legs dull red; hinder legs pitchy-black. (L. 5½-6 l.) Ditches, Bireh Wood; Whittlesea Mere; Norfolk: 4-6.

(585) citius *Fab. E.* i. 262. — *Ste. M.* ii. 67. note. — *Co. consobrinus* Cur. v. pl. 207. — Oblong-ovate; smooth; shining black: crown with a rusty spot; thorax with its outer margin and an obscure central line dull rusty-red; elytra yellowish, irroration with black, with 3 yellow lines, and 3 obscurely punctate striae; legs dusky-testaceous. (L. 8 l.) Said to be taken at Snaresbrook; but a native of the Cape of Good Hope.)

§ E. *Lab. palpi* with 2d joint nearly equal in length with 3d; body very convex; narrowed behind: elytra not striated transversely: — *Ilybius Erinuch.*

586 fuliginosus *Fab. E.* i. 263. — *Ste. M.* ii. 67. — Dy. lacustris *Pz.* F. xxxviii. f. 14. — Oblong-ovate; above obscure brass, or bronzed, with the lateral margins broadly yellowish, or testaceous; beneath rusty-brown: elytra with an obscure punctate stria; legs and antennæ pale reddish. (L. 4½-5 l.) Clear streams, London district; Bottisham; Andover; Bristol; West of England; Swansea; Norfolk; Scotland, &c.: 3-7.

587 subaneus *Erich. K.* i. 116. — Oval, convex; above obscure brassy, opaque: thorax and elytra with a narrow brown margin; the latter with 2 minute whitish spots; beneath brown; legs reddish. (L. 5 l.) London district: 3-5.

588 fenestratus *Fab. E.* i. 264. — *Ste. M.* ii. 82. — Dy. aneus *Pz.* F. xxxviii. f. 16. — Oblong-ovate; convex; brassy-black; slightly shining: thorax and elytra with a rather broad rusty-brown margin, the latter with 3 rows of punctures placed rather irregularly, and with 2 whitish pellucid
streaks; body beneath and legs rusty-red. (L. 5-6 l.) Croydon Canal; Mildenhall Drain, Cambridgeshire; Parley Copse, &c.: 4-6.

589 guttiger Gyll. i. 499. — Ste. M. ii. 81. — Oblong-ovate, slightly convex; black, pitchy beneath: thorax with anterior angles slightly tinted with dull red; elytra with a reddish-yellow transparent streak near the outer margin about the middle, and a round spot of similar hue within the tip; 4 anterior legs dull red, 2 hinder pitchy. (L. 4-4½ l.) London district; ponds, Netley; Bewdley Forest; Longnor, Salop, &c.: 4-7.

590 angustior Gyll. i. 500. — Ste. M. ii. 80. — Rather narrow; oblong-ovate, slightly convex, brassy black; beneath pitchy: elytra with 2 small (sometimes obliterated) yellowish transparent spots, 1 of them towards the middle of the outer margin, the other near the tip; mouth and antennæ dull red; legs pitchy. (L. 4 l.) London district; Whittlesea Mere: 4-6.

591 4-notatus Ste. M. ii. 83.— Rather oblong-ovate; convex; shining black: crown with two very conspicuous red spots; elytra with a round white spot near the outer edge behind the middle, and a smaller one near the tip; legs black; 4 anterior tarsi and antennæ rusty-red. (L. 4½ l.) London district; Ashburton, Devon: 4-6.

592 ater De G. iv. 401. — Pz. F. xxxviii. f. 15. — Ste. M. ii. 82. — Oblong-ovate; convex; black with a brassy tinge: beneath pitchy: elytra with 2 transparent pale testaceous streaks, 1 placed near the middle of the sides, the other towards the tip; antennæ and 4 anterior legs reddish. (L. 6-7 l.) London district; Sundridge, Kent; Norfolk; Currie, Scotland: 6-7.

593 obscurus Marsh. i. 414. — Ste. M. ii. 82. — II. 4-guttatus Erich. K. i. 154. — Oblong-ovate; convex; black, rather obscure; beneath pitchy-brown: elytra with 2 minute whitish transparent spots, placed as in Co. ater; legs and antennæ pitchy. (L. 4½-5½ l.) With the preceding species; and in Roxburgshire: 4-6.

99 Agabus Leach.

594 † serricornis Ph. F. iii. 443. — Ahr. F. v. f. 3. — Ste. M. ii. 84. — Ovate, convex, obtuse; pitchy-black, smooth; sides of the thorax and of the elytra, the body beneath and the legs pitchy-red: anterior thighs of the ♀ compressed, toothed beneath, the tarsi slightly patellate; ♀ with the antennae and legs simple. (L. 5½-6 l.) Netley; rare: 8.

100 Hydaticus Leach.

§ A. Body oblong-ovate, rather convex; intern. tarsi of ♀ patellate: — Hydaticus.

595 transversalis Fab. E. i. 265. — Pz. F. lxxvi. f. 6. — Ste. M. ii. 85. — Black: thorax with its anterior and lateral margins broadly ferruginous; elytra with the outer edge broadly yellowish, and with a slender waved pale yellowish transverse stripe near the base, neither touching the suture nor the margin; body rarely dull red beneath; legs dull red. (L. 6-6½ l.) Ponds, Battersea fields; Yaxley Fens; Whittlesea Mere; Cambridge: 4-7.

596 Hybneri Fab. E. i. 265. — Oliv. iii. pl. 4. f. 33. — Ste. M. ii. 85. — Black: thorax with the anterior lateral margins dull red; elytra with a broad yellowish margin; 4 anterior legs pale testaceous, hinder pair pitchy-black. (L. 6½-7 l.) With the preceding species, but less abundantly: 4-7.

597 stagnalis Fab. E. i. 265. — Ste. M. ii. 85. pl. xii. f. 5. — Black: head yellow; the crown black, with two red dots; thorax reddish yellow, with a black patch in the middle behind; elytra with the outer margin broadly
yellowish, and 5 or 6 slender parallel lines of the same colour on the disc. (L. 6-6½ l.) Near Exeter and Netley: 5-6.

§ B. Body obovate, rather depressed, broad; intern. tarsi of ♂ slightly dilated: — Graphoderus Esch.

598 cinereus L. ii. 666. — Cur. ii. pl. 95. — Ste. M. ii. 86. — Dull yellowish: crown and 2 frontal lines black; thorax with the anterior and posterior edges also black; elytra dusky, irrorated with yellow, the outer margin testaceous; legs pale testaceous. (L. 6 l.) Whittlesea Mere: 5-7.

101 Dyticus Geoffroy.

§ A. Elytra smooth in both sexes: — Leionotus Kirby.

599 conformis N. A. Hall (Kunze) ii. 58. — Stu. D. F. viii. pl. 188. f. e. f. — Ste. M. ii. 87. — Olive-black; beneath testaceous, with the sutures of the breast black: margins of the thorax and outer edge of the elytra luteous, the disc of the latter finely punctulatuated; hinder coxae lanceolate-acuminate; legs and antennae testaceous. (L. 1 in. 4 l.) Near Ipswich; Cambridge; Whittlesea Mere; Devon: 5-8.

600 circumcinctus N. A. Hall. (Ahr.) i. 55. — Ste. M. ii. 87. pl. xii. f. 6. — Olive-black, beneath testaceous, spotless: margins of the thorax unequally, and outer edge of the elytra, luteous; the disc of the latter with 3 continuous punctate striae, with some remote impressions between each; hinder coxae very acute; legs testaceous. (L. 1 in. 3-4 l.) Dykes in Yaxley Fens, in plenty; Netley; Lawrence Waltham, &c.: 6-7.

§ B. Elytra of ♂ sulcate at the base: Dyticus pr.

601 angustatus Ste. M. ii. 88. — Oblong-ovate; black or olive, testaceous beneath, with the sutures of the breast black; thorax with the margins narrowly, and outer edge of the elytra broadly testaceous-yellow; scutellum black; hinder coxae very acute. (L. 1 in. 2-3½ l.) Yaxley Fens; Bottisham; Boreme, Salop: 6-7.

602 circumflexus Fab. E. i. 258. — Ste. M. ii. 88. — Stu. D. F. viii. pl. 188. f. a. b. — Oblong-ovate; olive-black; testaceous-yellow beneath; with the sutures of the breast and margins of the abdominal segments black: edges of the thorax and sides of the elytra broadly testaceous-yellow; middle of the scutellum yellow; hinder coxae very acute. (L. 1 in. 1-4 l.) Battersea fields; Camberwell; Kimpston; Lawrence Waltham; rare near Edinburgh: 3-6.

603 marginalis L. ii. 665. — Dom. v. pl. 161. — Ste. M. ii. 89. — Oblong-ovate, elytra dilated behind the middle; above dusky-olive; beneath testaceous-yellow: margins of the thorax and outer edge of the elytra testaceous, within the tip of the latter a yellowish crescent; hinder coxae somewhat obtuse. (L. 1 in. 1-4 l.) Var. Dy. submarginalis Ste. M. ii. 90. — With the outer edge of the elytra yellowish at the base only. Common in ponds, &c. throughout England; rather scarce in Scotland. ☒ *.

604 punctulatus Fab. E. i. 259. — Dom. xv. pl. 540. — Ste. M. ii. 90. — Oblong-ovate; above olivaceous-black, beneath black: outer margins of the thorax and of the elytra yellow; hinder coxae rounded. (L. 11-14 l.) Battersea fields, &c. near London; Hants and Wilts; Camb.; Marton, sparingly; Cardew Mire; not rare in Scotland: 3-6.

605 dimidiatus Berg. N. i. 33. 7. f. 1. — Cur. iii. pl. 99. — Ste. M. ii. 90. — Oblong-ovate; above dull olive-black, beneath testaceous-yellow; with the sutures of the breast black; the outer margins of the thorax and
of the elytra yellow; hinder coxae rounded. (L. 1 in. 5-6 l.) Yaxley Fens; Botanic Garden, Cambridge; Bottisham; Elsemere and Bomere, Salop: 3-6.

(606) latissimus L. ii. 665. — Pz. F. lxxxvi. f. 1 ♂ f. 2 ♀. — Ste. M. ii. 91. note. — Ovate, rather flat; outer margin of the elytra dilated; black; the margins of the thorax, a streak on the outer edge of the elytra and body beneath luteous; hinder coxae acuminate. (L. 1 in. 8 l.) Improperly given as British.

102 Cybister Curtis.

607 † Roeselii Fab. E. i. 259. — Cur. iv. pl. 151. — Ste. M. ii. 92. — Ovate, flattish; above olivaceous; the mouth, lateral margins of the thorax, and a submarginal streak on the elytra yellow; elytra obscurely striated: body beneath, legs and antennae, pale testaceous. (L. 1 in. 1 l.) Near Walton, and Colchester, in Essex: 8-9.

103 Acilius Leach.

608 sulcatus L. ii. 666. — Don. ii. pl. 68. f. 5. ♀ — Ste. M. ii. 93. — Short, ovate; fuscous: mouth, 4 frontal crescents, margins of the thorax, and a short transverse fascia in the middle, dilated at each end, luteous; body beneath black, sides of the abdomen spotted with yellow; hinder legs black, tip of the thighs yellow. ♀ with 2 foveae on the thorax, and 4 broad hairy channels at the base of the elytra. (L. 7-9 l.)

Var. ? Ac. scepticus Curtis? — Ste. M. ii. 93. — Thoracic band interrupted in the middle; outer margin of elytra clouded with fuscous; abdomen with small yellowish spots on the sides, its segments edged with dull red. Most abundant everywhere in England; also common in Scotland:

609 fusciatus De. G. iv. 297. ? — Ac. canaliculatus Ste. M. ii. 94. — Ac. caliginosus Cur. ii. pl. 63. — Ovate; fuscous: head in front and crown with a transverse line, the margins of the thorax and a short band in the middle (dilated into a roundish spot at each end) yellow; abdomen and legs yellow; the former sometimes striped with black: ♀ with 4 hairy channels at the base of the elytra. (L. 6½-7 l.) Stilton, and Yaxley Fens; and near Edinburgh: 5-7.

Fam. 9. GYRINIDÆ Leach.

civ. Gyrinus Body moderately convex, very glossy: internal max. palpi distinct; labrum short, transverse; elytra glabrous, striated, not reaching to the apex of the abdomen, the last segment of which is flat, and rather acute.

cv. Orectocheilus Body convex: internal max. palpi obsolete; labrum projecting: elytra pubescent, punctate, not striated, covering the apex of the abdomen, the terminal segment of which is conical.

104 Gyrinus of Authors.

610æneus Leach. — Ste. M. ii. 95. — Oblong-ovate; above very glossy blue-black; beneath dull brass; head, edges of the thorax and of the elytra, the reflexed margin of the latter, and the antennae, brilliant brass; elytra deeply punctate-striate; legs red; 4 hinder femora rather dusky. (L. 3-3½ l.) Ditches near the Surrey Canal; River Dart, near Spitchwick; Bottisham; Duddingston Loch, &c.: 3-9.

611 marinus Gyll. i. 143. — Ste. M. ii. 96. — Oblong-ovate, blue-black, shining; beneath brassy: elytra deeply punctate-striate, the suture and outer margin greenish-brass; the reflexed margin glossy-brass; legs pale-red: disc of elytra sometimes dull-red. (L. 2½-3 l.) Carlisle; Lochend; Saltcoats, Devonshire; Bottisham; Scotland, &c.: 4-6.
612 minutus Fab. E. i. 276. — Ste. M. ii. 96. pl. xiii. f. 1. — Oblong-ovate; greenish-blue, shining; beneath dull red, with the base of the abdomen black: elytra regularly punctate-striate, the reflexed margin and legs pale testaceous. (L. 1½-2½ l.) Bristol; Swansea; Ashburton; Netley; Water of Leith, &c.: 3-6.

613 eratus Ste. M. v. 395. — Oblong-ovate; above shining brassy-black; beneath bright brassy: elytra deeply punctate-striate, the reflexed margin brassy; femora pitchy; tibiae and tarsi testaceous. (L. 2 l.) The Cam, near Cambridge: 6.

614 natator L. ii. 567. — Samm. pl. 2. f. 2. — Ste. M. ii. 97. — Ovate; bluish-black, very glossy: elytra very finely punctate-striate, the reflexed margin, apex of the abdomen, and the legs pale rust-colour; base of the abdomen brassy-black; mouth reddish. (L. 2½-3½ l.) Abundant everywhere in England; also in Scotland: 3-9. *.

615 substratius Ste. M. ii. 97. — Gy. mergus Ahr. F. ii. f. 6.? — Somewhat ovate; above bluish-black, shining, and obscurely tinged with green on the outer edges: elytra very faintly punctate-striate, the striae composed of remote punctures, the reflexed margin bright ferruginous; apex of abdomen and legs dull red. (L. 3 l.) Near London; Yaxley Fens; Bottisham; Kimpton; Yorkshire, &c.: 3-9.

616 lineatus Hoffmansegg? — Ste. M. ii. 97. pl. xiii. f. 2. — Ovate; above shining brassy-black, beneath rusty-pitchy: elytra very faintly striated, the dorsal striae nearly obiterated, and their places indicated by obscure reddish lines, visible in certain lights; outer margin greenish-brass, the reflexed one dull red: legs pale red. (L. 3-3½ l.) Slapton Ley, near Dartmouth: 6.

617 bicolor Fab. E. i. 274. — Cur. ii. pl. 79. — Ste. M. ii. 97. — Oblong; somewhat cylindric, or linear; blue-black, extremely glossy: elytra elongated, slightly narrowed behind, finely punctate-striated, the outer edge brassy, the reflexed one dull red; body brassy beneath, with the tip of the abdomen pitchy; middle of the breast and the legs dull red. (L. 3-4 l.) Salt-marshes in Devonshire; Southend; Tenbury; Norfolk; Covehithe, Suffolk: 4-7.

105 Orectocheilus Eschscholtz.

618 villosus Ill. K. i. 271. — Pz. F. ci. f. 7. — Ste. M. ii. 98. — Oblong; above black, or dull brass, clothed with a griseous pile; beneath pale ferruginous: elytra thickly punctured, the reflexed margin reddish; legs pale; antennae black, the base and apex pale. (L 2½-3½ l.) Rare near London; Netley; Dart, and rivulets near Dartmoor; Slapton Ley: 4-7.

§ 2. RYPOPHAGA Stephens (p. 2.)

Stirps 1. PHILHYDRIDA MacLeay.

Fam. 10 Heteroceride. Ant. 11-jointed, 2 basal joints large, the rest forming an obscurely serrated mass thickened towards the apex: body flattish; head elongate, deeply inserted into the tho., which is transverse; tibiae compressed, spinous; tarsi 4-jointed.

Fam. 11 Parid. Ant. 9-jointed, the 2d with a lobate appendage, the rest forming a clavate serrated mass: body rather cylindric, convex: head deeply inserted into the tho., which is somewhat 4-drately, slightly narrowed in front: tibiae cylindric, unarmed; tarsi filiform, long, 5-jointed.

Fam. 12 Limnide. Ant. 9-, 11-jointed, somewhat filiform, the terminal joints rather largest, and forming a club: body ovate, or subglobose, convex: head inflexed, deeply inserted into the tho., which is rather 4-
Fam. 13 Helophoridae. Ant. 9-jointed, rather abruptly perfoliate-ellate, the club somewhat serrated: mand. not toothed at the tips: max. palpi very long; body oblong, flattish: tho. rather 4-drade, rarely orbicular: tibiae slightly spinous; tarsi 5-jointed, filiform, not ciliated, basal joint minute.

Fam. 14 Hydrophilidae. Ant. 6-, 9-jointed, perfoliate-ellate, club distinctly cleft: mand. 2-dentate at the tip: max. palpi very long, usually filiform; body oval, frequently globose: tho. short, transverse: tibiae slightly spinous; tarsi 5-jointed, filiform, the basal joint minute, the 2d longest; hinder pair often ciliated.

Fam. 15 Sphærididae. Ant. short, 9-jointed, basal joint very long, 4 next short, the rest forming a compressed perfoliated club: max. palpi as long as ant., 2d joint thickened: head round in front: tho. transverse: body more or less hemispheric: tibiae compressed, spinous; tarsi 5-jointed, filiform, basal and terminal joints long, last with 2 unequal claws.

Fam. 16 Anisotomidae. Ant. 11-jointed, longish, slender at base, terminating in a club, of a variable number of joints: palpi short: head small, ovate: tho. more or less gibbos; body convex, orbicular or globose, never linear: tibiae often spinous and compressed; tarsi various 4- (rarely 5-) jointed, or heteromorous.

Fam. 10. Heteroceridae MacLeay.

cvi. Heterocerus Ant. with the 7 terminal joints forming a serrated club: palpi short, 3-jointed: body ovate, pubescent.

106 Heterocerus Bosic.

619 marginatus Fab. E. i. 355.—Sam. pl. 3. f. 11. — Ste. M. ii. 100. — Dusky; pubescent; finely punctured: elytra with the margin and several irregular spots on the disc, more or less united, or wanting, pale dull-red; tarsi testaceous; antennae pale, with the club dusky; anterior angles of the head sometimes reddish. (L. 1¼-2½ l.) Near London, and N. West coasts of England; Aberystwith, &c.: 4.

620 flexuosus Ste. M. ii. 101. — Fuscous; pubescent; finely punctured: elytra yellowish, with a longitudinal flexuous stripe, composed of irregular black spots, a black streak at the shoulder, and a faint one near the suture, towards the apex, which last is spotless; tarsi pitchey. (L. 2 l.) Near Gravesend: 5.

Var.? He. Marshami Ste. M. ii. 101. — Dusky-black; very pubescent: thorax with a small obscure yellowish spot in the middle of the base; elytra with a similar spot near the tip; legs yellowish. (L. 1² l.) Banks of Humber? 6.

621 lavigatus Fab. E. i. 356. — Pz. F. xxii. f. 11. — Ste. M. ii. 101. — Fuscous, shining; finely punctured, and slightly pubescent: elytra with the outer edge and several large, squarish, pale yellowish spots, disposed in 3 irregular bands on the disc; legs pale-testaceous; tibiae dusky: thorax sometimes with a pale spot at the anterior angle; the abdomen at times testaceous, and the spots on the elytra more or less united, or obscured. (L. 1½-2¼ l.) Wandsworth Common; and in Norfolk and Suffolk.

622 obsoletus Curtis, v. pl. 224. — Ste. M. ii. 102. — Black; shining; finely punctured and pubescent: thorax with a yellowish spot on each side at the anterior angle; elytra with about 7 or 8 pale ochreous or reddish spots, placed 1 (sometimes wanting) near the scutellum, 3, 1 curved, and
Heterocerus.

3 at the tip: legs black; tibial spines and tip of tarsi reddish. (L. 2-3 l.)

Shores of Thames and Medway: 4-5.

623 pusillus Hope. — Ste. M. v. 395. — Very narrow, elongate, convex, fuscous, with a golden pubescence; elytra with very obscure reddish spots and fasciae; antennae and legs dull testaceous. (L. 14^-2 l.)


Fam. 11. Parnidae Leach.

evii. Parnus Ant. with the lobe of the 2d joint very large, and much produced within, the mass of the club compact, and serrated on one side, joints indistinct: tho, with a longitudinal impression on each side: legs short; anter, and intern. of nearly equal length.

eviii. Dryops Ant. with club rather sharply serrated within, the joints not very compact: tho. without any longitudinal impressions; legs rather long; intern. longer than anter.

107 Parnus Fabricius.

624 prolefericornis Fab. E. i. 332. — Pz. F. xiii. f. 1. — Ste. M. ii. 103. — Elongate, olivaceous, clothed with a griseous pubescence; minutely punctured: elytra very obscurely striated, the striae almost obliterated on the sides and apex; legs dull red, with the tibiae dusky. (L. 2-2^1 l.)

Var. Pa. sericeus Leach. — Sam. pl. 3. f. 10. — Clothed with a rich golden greenish pubescence. Pond sides, &c., Battersea fields; Ockham Heath; Epping; Netley; Near Carlisle; Edinburgh, &c.: 4-5.

625 impressus Cur. ii. pl. 80. — Ste. M. ii. 104. — Olive-brown, minutely punctured, villose: thorax with a fovea on each side, near the base; elytra with 7 or 8 obscure punctured striae; base of thighs, and tips of tibiae, tarsi and antennae, and the claws dull red. (L.2-2^1 l.) Near London; Battersea fields; and in Norfolk: 4.

626 auriculatus Oliv. E. iii. pl. 1. f. 1. a. e. — Ste. M. ii. 104. — Ovate, black, pubescent; thickly punctured: scutellum clothed with tawny pubescence; elytra rather shining, deeply punctured, and clothed with rather distinct, erect, fuscous hair; body pitchy-black beneath; legs pitchy-red; tibiae dusky. (L. 2-2^-1 l.) Wandsworth Common; Kimpton; Marton; Pentland Hills, &c.: 4-5.

627 bicolor Curtis. — Ste. M. ii. 104. — Minutely punctured, with coarse, imperfect striae at the base of the elytra; head and thorax black; elytra, legs, and antennae ferruginous. (L. 2 l.) Norfolk.

108 Dryops Olivier.

628 † Dumerillii Lat. J. ii. 56. — Ste. M. v. 396. — Elliptic, somewhat cylindric; dusky; with a golden-yellow pubescence, and covered with minute elevated points: elytra with very obscure elevated lines, producing the appearance of being striated; tarsi reddish. (L. 2-1 l.) Banks of Wandle, near Garrat Green; and in Yorkshire.

Fam. 12. Limniidae Stephens.

cix. Elmis Ant. 11-jointed, as long as the tho., slightly thickened at the tip: body ovate, convex.

ex. Stenelmis Ant. 11-jointed, scarcely so long as the tho., slender: body narrow, linear, flattish; terminal ventral segment notched.

exi. Georyssus Ant. 9-jointed, short, terminated by a large ovate 3-articulate club: body subglobose.
629 Volkmari *Pz. F. viii. f. 4. — *Ste. M. ii. 106. — Oblong-ovate; black, tinged with brassy or greenish; thorax rather 4-drate, convex, punctured, with a raised longitudinal line on each side, remote from the lateral margin and approaching to each other in front; elytra deeply punctate-striate. (L. 1¼-1½ l.) Mill stream, near Hatfield; in Norfolk; Hebden Bridge; in Scotland; near Bristol, and Manchester; Edinburgh, &c.: 5-6.

630 tuberculatus Ill. M. (Müller) v. 199. — *Ste. M. ii. 106. — Oblong; fuscous or pitchy-brass: thorax shining, with 2 elevated longitudinal lines approximating in front; elytra slightly tuberculated at the base, and transversely impressed, punctate-striate, the 3d stria from the margin slightly raised; antennae and legs reddish. (L. ½-3 l.) Clengre, Gloucees.; Hull; and in Norfolk and Suffolk: 5-6.

631 variabilis Leach. — *Ste. M. ii. 107. pl. xiii. f. 4. — Narrow, rather oblong and flat: black or pitchy-brass; thorax slightly shining, with 2 very much approximating lines on the disc, which is faintly punctated; elytra not tuberculated at the base, the disc sometimes pitchy, faintly punctate-striate, the 3d marginal interstice slightly elevated and punctulate; body pitchy beneath; legs and antennae reddish. (L. ½-3 l.) Carlisle; Spitchew; Netley; Edinburgh: 5-6.

632 laeustris *Spence. — *Ste. M. ii. 107. — Short, ovate; red, or pitchy-brass: thorax wide and glossy, with 2 elevated lines slightly approaching in front; elytra not tuberculated at the base; punctate-striated, the 3d marginal interstice elevated; disc glossy, margin opaque; legs and antennae reddish. (L. ½-3 l.) Near Hull; Norwich; banks of Teviot: 5.

633 fluvialitis *Ste. M. ii. 107. — Short, ovate, brassy-black; thorax with 2 approximating lines, the disc flatish; elytra not tuberculated at the base, brassy, faintly punctate-striate, the 3 lateral striae elevated; body pitchy; antennae, tibiae, and tarsi reddish. (L. ½ l.) Norfolk: 5.


635 annexus Ill. M. (Müll.) v. 202. — *Ste. M. ii. 108. — Ovate; blackish-brass, or bronzed; shining: thorax somewhat 4-drate, with a slight elevated line on each side, and a raised fold behind, connected with the lateral lines: elytra wider than the thorax, very convex, deeply punctate-striate, the alternate interstices slightly elevated, the 6th acute: antennae and tarsi reddish. (L. 1-1½ l.) Surrey Canal; near Hatfield; Netley; on Menyanthes 3-foliata, Abbots’ Ann.; Water of Dryfe, &c.: 5-6.

636 Maugettii Lat. G. ii. 50. ? — *Ste. M. ii. 108. — Ovate; black; shining; thorax with an elevated line at the base and on each side; elytra scarcely wider than the thorax, each with 3 raised lines and 8 punctate striae; tarsi and antennae reddish. (L. 1-1¼ l.) Clengre; near Norwich, &c.: 6.


Stenelmis. — Georyssus.

110 Stenelmis Dufour.

639 paralleliypedus Ill. M. (Müll.) v. 200. — Ste. M. ii. 108. pl. xiii. f. 5. — Oblong, linear; flat; shining black; antennæ and legs reddish: thorax 4-drate, disc very glossy, with a curved line on each side, and a central impressed dot, margin much raised; elytra punctate-striate, the lateral striae elevated, the 2d especially; interstices impunctate, and very glossy. (L. $\frac{3}{8}$ l.) Exeter; Manchester; Scotland: 5-7.

111 Georyssus Latreille.

640 pygmaeus Fab. E. i. 133. — Ste. M. ii. 105. pl. xiii. f. 3. — Black; head opaque, front unequally rugged; thorax glossy, narrowed in front, dilated on the sides, disc with a transverse impression; elytra more glossy than the thorax, very convex, the shoulders prominent, the disc with large deep punctate striae; interstices coriaceous; antennæ fuscous. (L. $\frac{3}{4}$-1 l.) Damp places near London, and in Suffolk and Norfolk; in the Annan, near Moffat: 5-6.

Fam. 13. Helephoridæ Leach.

cxii. Hydrochus Ant. 7-jointed, the 3 terminal joints forming an elongate compressed club, of which the last joint is long: max. palpi elongate, apical joint rather short; lab. moderate: tho. elongate 4-drate: eyes very prominent: body narrow: legs long and slender.

cxiii. Helophorus Ant. 9-jointed, 3 terminal joints forming a short club, with the last joint short: palpi all elongate, terminal joint of max. ovate; tho. transverse with longitudinal channels: eyes sessile: body somewhat ovate: legs moderate.

cxiv. Enicocerus Ant. 11-jointed, the basal joint long, 2d cup-shaped, 2 next minute, the 5 terminal ones forming a club: labrum large, notched, max. palpi shorter than the head, which is 3-angular; eyes slightly prominent: tho. somewhat heart-shaped: elytra wide, ovate.

cxv. Ochtbeius Ant. 9-jointed, the last 5 composing a club: max. palpi rather long, terminal joint minute, conic; lab. short: head large: eyes scarcely prominent: tho. short, entire, rather dilated on the sides: body elliptic: legs short.

cxvi. Amphibolus Ant. 7-jointed, the last 5 composing an elongate club: max. palpi shorter than the thorax, the apical joint short: head large: eyes prominent: tho. dilated on the sides: elytra ovate, large, covering the abdomen: legs short.

cxvii. Hydræna Ant. 7-jointed, the last 4 forming an oval club: max. palpi very long, longer than the head and thorax together; terminal joint fusiform; lab. moderate, apical joint subulated: labrum notched: tho. somewhat 4-drate: elytra short, not covering the abdomen: legs rather long.

112 Hydrochus Germar.

641 elongatus Fab. E. i. 277. — Ste. M. ii. 110. — Cur. viii. pl. 359. — Pitchy-black, sometimes tinted with brassy: head advanced, roughly punctate; thorax deeply punctured, with 5 foveæ; elytra deeply punctate-striate, interstices narrow, the 2d and 3d partly, and the 4th, 6th and 8th entirely elevated, the 2d and 4th most acutely; legs and antennæ pitchy. (L. 1$\frac{3}{4}$-2 l.) Battersea fields; Wandsworth, &c.: 4-5. Netley; Spitchweek; Norfolk and Dumfriesshire, &c.: 4-6.

642 angustatus Müller. — Hy. crenatus Ste. M. ii. 110. — Brassy, or greenish-black, shining: head advanced, with 3 deep frontal sulci; thorax thickly punctured, with 5 foveæ; elytra much wider than the thorax, deeply
crenate-striated, the intermediate interstices slightly elevated; legs and antennae pitchy-red. (L. 1\textsuperscript{\frac{1}{2}-1\frac{3}{4}} l.) Ripley; Ockham Heath; Hertford; banks of Orwell; Netley, &c.: 4-5.

643 brevis Herbst C. v. 141. pl. 49. f. 10. — Ste. M. ii. 110. — Short, somewhat ovate; deep glossy black: head broad, truncate; thorax wider in front than behind, roughly punctate and with 5 foveae; elytra dilated on the sides; deeply punctate-striate; the alternate interstices, the suture, and the margin elevated; legs and antennae pitchy-black. (L. 1\frac{1}{4}-1\frac{3}{4} l.) Near Bristol; Netley; Whittlesea Mere; near Craigerook: 5-7.

113 Helophorus Illiger.

644 grandis Ill. K. i, 272. — He. aquaticus Ste. M. ii. 111. — Stu. D. F. x. pl. 219. f. A. — Oblong: head and thorax brassy; the latter narrowed behind, with its lateral margins waved, and its disc with 5 grooves; elytra griseous, with a few obscure dusky spots, punctate-striate, the interstices somewhat equal, the alternate ones being very obscurely striated, the 2d stria short; legs yellowish; palpi and antennae testaceous. (L. 2-3 l.) Common in ponds, &c. everywhere: *.

645 aquaticus Lin. ii. 575. — Herbst. v. pl. 49. f. 7. — Oblong-ovate: head and thorax brassy; the latter with 5 grooves, the inner lateral ones flexuous; elytra dull testaceous, rather brassy, deeply punctate-striated; legs and antennae pale reddish. (L. 1\frac{1}{2}-1\frac{3}{4} l.) London district: *.

646 granularis L. ii. 663. — Ste. M. ii. 111. — Oblong-ovate: head and thorax brassy, the latter with 5 grooves, the inner lateral ones flexuous; elytra dull testaceous, with obscure black spots, disc very deeply punctate-striate; legs, palpi, and antennae pale testaceous. (L. 1\frac{1}{4}-1\frac{3}{4} l.) London district, and in Scotland: *.

647 griseus Herbst. v. 143. pl. 49. f. 12. — Ste. M. ii. 112. — Oblong: head and thorax coppery-green, shining, the latter with the sides nearly straight and oblique, the disc with 5 grooves, the inner lateral ones flexuous, the anterior margin and the sides whitish; elytra punctate-striate, pale testaceous, clouded with fuscous; legs, palpi, and antennae pale. (L. 1\frac{1}{4}-1\frac{3}{4} l.) London district; Edinburgh, &c.: *.

648 dorsalis Marsh. i. 410. — Ste. M. ii. 112. pl. xiv. f. 1. — Oblong: head and thorax brassy-green, the sides of the latter straight, palish, the disc with 5 grooves, of which the inner lateral one is curved outwardly; elytra dilated behind the middle, punctate-striate, pale testaceous, with a large common dusky patch behind, in which are 2 reddish spots; legs, palpi, and antennae pale. (L. 1\frac{1}{4}-2\frac{1}{4} l.) London district; Norf.; Suff.; Devon; Kimpton; Marton: 3-6.

649 viridicollis Kirby. — Ste. M. ii. 112. — Short, broad: shining brassy-brown; thorax brassy-green, the sides rounded, disc with 5 irregular grooves; elytra brassy-black, very deeply punctate-striate, interstices faintly elevated; antennae, legs, and palpi pale reddish. (L. 1\frac{1}{4} l.) Near London, and in Norf. and Suff.: 4-6.

650 pumilio Erich. K. i. 197. — Oblong-ovate; convex: head and thorax brassy, the sides of the latter rounded, the disc with 5 grooves, the inner lateral one slightly flexuous; elytra dull testaceous, punctate-striate, the interstices slightly elevated; antennae, legs, and palpi pale reddish-yellow. (L. 1\frac{1}{4}-1\frac{3}{4} l.) London district, rare: 5.

651 nanus Stu. D. F. x. 40. pl. 219. f. 6. — Oblong-ovate; convex: head and thorax brassy; the latter with 5 straight grooves; elytra dull testaceous, and deeply punctate-striate; interstices convex: legs and antennae pale. (L. 1\frac{1}{4} l.) Rare, near London: 5.
§ B. Empleurus Hope.

652 tuberculatus Gyll. i. 129. — Ste. M. ii. 113. — Dull-black: thorax slightly convex, with 5 very obscure grooves, rather widest in front, sides nearly straight, oblique; elytra blackish, punctate-striate, the 3 alternate dorsal interstices with several shining elevated tubercles; legs black; palpi and antennae brown. (L. 1 1\(\frac{1}{4}\)-1 \(\frac{3}{4}\) l.) Near Southend: 4-6.

653 nubilus Oliv. E. iii. 6. pl. 1. f. 2. — Ste. M. ii. 113. — Ovate; testaceous brown: thorax widest in front, the disc rather convex, punctate, and with 5 grooves, the sides nearly straight and oblique; elytra with scattered brown clouds, punctate-striate, the alternate interstices elevated, the ridges obscurely crenulated; antennae, legs, and palpi testaceous, tip of the latter dusky. (L. 1\(\frac{2}{3}\)-2 l.) London district; Dorset; Hants; Carlisle; near Edinburgh, &c.: 3-6.

654 fennicus Pk. F. i. 243. — Ste. M. ii. 113. — Cur. x. pl. 466. — Dusky-rust-colour: thorax with the lateral margins waved, the disc ruggedly punctured, with 5 grooves, the 4 outer ones more or less flexuous; elytra griseous, punctate-striate, 2d stria abbreviated, the alternate interstices elevated, smooth, with some raised black spots on the ridges behind: legs, palpi, and antennae pale. (L. 2\(\frac{1}{4}\)-2\(\frac{3}{4}\) l.) Battersea fields; Leith Hill; Ripley; Hatfield; Netley; Dover; Isle of Thanet; Carlisle; Pentland Hills; Norfolk, &c.: 3-6.

114 Enicocerus Stephens.

655 viridiaeneus Ste. M. ii. 196. pl. xv. f. 6. — Coppery or greenish, shining: head and thorax slightly punctured; the former with a frontal groove and 2 impressions on the crown; the latter with 2 small foveae and an oblique stria on each side; elytra deeply punctate-striate; legs dusky-pitchy; joints and tarsi sometimes black. (L. 1\(\frac{1}{4}\)-1\(\frac{1}{2}\) l.) Near Halifax; and in Whiteadder River, near Berwick-upon-Tweed; Water of Leith, &c.; under stones: 3-9.

656 Gibsoni Cur. vii. pl. 291. — Ste. M. v. 379. — Like En. viridiaeneus, but the thorax more depressed, and much more strongly punctured, with 6 anterior impressions and the oblique striae broad and oval. (L. 1\(\frac{1}{4}\)-1\(\frac{3}{4}\) l.) With the preceding species.

657 tristis Cur. fo. 291. — Ste. M. v. 379. — Also like En. viridiaeneus, but black, the thorax less punctured, and the anterior impressions scarcely visible. (L. 1-1\(\frac{1}{4}\) l.) Taken with the 2 foregoing insects, of 1 of which it is probably a var.

115 Ochthebius Leach.

658 marinus Pk. F. i. 245. — Ste. M. ii. 114. — Glossy, brassy-green: head and thorax punctured; the latter with 2 transverse curved impressions on the disc, which is rather high, and an obscure bent fovea on each side; elytra punctate-striate, slightly tinted with greenish-brass, the tip paler; body black; legs and antennae pale. (L. 2\(\frac{1}{4}\)-1 l.) Brackish waters, Hull; Southend, &c.: 5-6.

659 dilatatus Leach. — Ste. M. ii. 114. — Dusky-brass: head and thorax punctured; the latter with the sides very much dilated anteriorly, the disc with a longitudinal channel, terminating behind in 2 rather faint impressions placed transversely, the hinder angles with a curved fovea; elytra rather convex, somewhat deeply punctate-striate; body dusky beneath; legs pitchy; antennae and palpi pale. (L. 2\(\frac{1}{2}\)-1\(\frac{1}{4}\) l.) London; Spitchweek; Woodlands; Swansea; Netley; Parley Heath, &c.: 5-7.

660 pygmeus Fab. E. i. 278. — Ahr. F. viii. f. 7. — Ste. M. ii. 115. — Brown-brass; head with a transverse line and 2 frontal foveae; thorax 1
truncate in front, sides rounded, deeply punctured, with a short dorsal channel, and a bent fovea on each side; elytra ovate, brassy-brown, with the tip reddish, finely punctate-striate: legs rusty-red; antennae and palpi pale, with dusky tips. (L. ½-1 l.)

Var. Hy. impressus Marsh. i. 408. — Ste. M. ii. 115. — Black; thorax with a very deep and large impression on each side at the base; legs testaceous. London district; Bottisham; Southend, &c.: 3–6.

661 bicolon Kirby. — Ste. M. ii. 115. — Brassy-black: head punctured, with 2 or 3 fovea on the crown; thorax with a deep dorsal channel, 2 deepish fovea on each side near the base, the margins flatish, rough, and reddish; elytra rather convex, coarsely punctate-striate; legs and antennae pale testaceous. (L. ¼-1 l.) Near London; W. of England; Norfolk; Suffolk; and Scotland: 4–6.

662 rufimarginatus Ste. M. ii. 116. — Wide, broad; pitchy-black: head faintly punctured, with 2 or 3 fovea on the crown; thorax with a bent impression on each side near the base, the lateral margins broadly red; elytra convex, deeply crenate-striate; legs, antennae, and palpi red, or reddish. (L. ¼-1 l.) Near London and Netley: 4–6.

663 nanus Ste. M. ii. 116. — Black, obscure: head and thorax slightly glossy, the former smooth in front, with 2 fovea on the crown; thorax with a faint dorsal channel, and 2 minute fovea on each side near the base; elytra slightly punctate-striate, punctures remote; legs, antennae, and palpi testaceous. (L. ¼-1 l.) Southend: 5.

664 varus Ste. M. ii. 116. — Brilliant glossy coppery-brass: crown rough, with 3 fovea; thorax smooth, with several fovea on each side of the dorsal channel, the margin flat, with a fovea anteriorly; elytra obscurely punctate-striate; legs testaceous; antennae and palpi pale, the tips dusky. (L. ¾ l.) Near London and Swansea: 5–6.


667 punctatus Ste. M. ii. 117. pl. xiv. f. 2. — Rather elongate; glossy brass; pubescent: crown with 2 deep foveae; thorax with a central channel and 4 impressions on each side, the two lateral ones connected by an arched stria; the anterior and posterior margins whitish; elytra minutely punctured, not striate; legs, antennae, and palpi testaceous, tips of latter and the tarsi dusky. (L. 1½ l.) Near Bristol, and Netley: 5.

668 hibernicus Cur. vi. pl. 250. — Dull copper, sometimes with a blackish tinge, slightly pubescent: crown with 3 foveae; thorax with the anterior margin and posterior angles membranous and transparent, with a deep dorsal channel between 2 long foveae on the back, and a large depression on each of the angles; elytra with deep scattered punctures, not striated. legs dull red, tips of tarsi pitchy. (L. 1 l.) Near Belfast; Liverpool; and London: 5–6.

116 Amphibolus Waterhouse.

669 † atricapillus Ent. M. (Water.) i. 292. — Ste. M. v. 398. — Pitchy-testaceous, with a metallic tinge: head black, punctate behind; thorax densely punctured, with 4 larger impressions; elytra punctate-striate; antennae, palpi, and legs pale tawny. (L. ½ l.) Hebden Bridge.
HYDRAENA.

117 HYDRAENA KUGELAN.

670 elongata Curtis. — Ste. M. v. 398. — Narrow; shining black: antennae and palpi pitchy-red; legs black, the joints and tarsi red; elytra very narrow, punctate-striate, the suture slightly elevated. (L. 1 1/4 l.) Near London: 4-6.


672 riparia Kugellan. — Ste. M. ii. 117. and v. 399. — Somewhat linear, shining black; head rather elongate, punctate between the eyes, the latter not very prominent; thorax thickly punctured, with a longitudinal impression on each side towards the outer margin; elytra linear-elongate, pitchy, distinctly punctate-striate; antennae, palpi, and legs pitchy. (L. 1 1/4 l.) London and Hebdon Bridge; plentiful in Scotland: 4-6.

673 melanocephala Ent. M. (Water.) i. 294. — Ste. M. v. 399. — Rather broad, testaceous: head black, deeply punctured; thorax very short, the sides densely punctured, the disc with 4 foveae; elytra rather wide, ovate, delicately punctate-striate; antennae, legs, and palpi pale testaceous, the tips of the latter black. (L. 1 l.) Near London and Netley: 4-6.

674 concolor Ent. M. (Water.) i. 292. — Ste. M. v. 399. — Somewhat linear; pale testaceous; head rather small, punctate between the eyes, which are not very prominent; thorax broad, densely punctate; elytra elongate, distinctly punctate-striate. (L. 1 1/4 l.) Near London: 4-6.

675 pulchella Müller. — Germ. I. N. i. 94. — Ste. M. v. 399. — Somewhat linear; black: thorax with the anterior and posterior margins pitchy, the disc with an obscure channel, and the sides each with a longitudinal groove; elytra oblong-ovate, pitchy; punctate-striate; antennae and legs pitchy. (L. 1 1/4 l.) Near London: 4-6.

676 nigrita Ent. M. (Water.) i. 294. — Ste. M. v. 399. — Pitchy-black: head densely punctate; thorax short, also densely punctate, and with 4 foveae; elytra oblong-ovate, somewhat truncate at the tip, punctate-striate, the striae rather confluent; antennae, legs, and palpi testaceous-red. (L. 1 l.) Near Epping and London: 4-6.

677 testacea Cur. pl. 307. — Ste. M. v. 400. — Pale pitchy-testaceous; head black, densely punctate; thorax rather narrow, deeply and coarsely punctate, and depressed towards the angles; elytra deeply punctate-striate; palpi pale testaceous, and very slender and long, with the tip black. (L. 3/4 l.) Battersea Fields; near Epping and Halifax: 4-6.

678 nigrita Müller. — Ste. M. v. 400. — Hy. pusilla Ste. M. ii. 118. pl. xiv. f. 3. — Black; opaque: thorax short, densely punctured, and with a longitudinal groove on each side towards the margin; elytra short, ovate, very delicately punctate-striate; antennae, palpi, and legs pale testaceous-red. (L. 3/4 l.) Near London; Netley; Carlisle: 4-6.


681 minutissima Gyll. i. 136.? — Ste. M. ii. 118. — Ovate, pitchy-black: thorax convex, with a slight channel in the middle, and a minute fovea on each side; elytra convex, ovate, smooth, glossy, the apex pale; legs, antennae, and palpi pale. (L. 1 1/4 l.) Near London: 4-6.
Fam. 14. HYDROPHILIDÆ Leach.
cxvii. Limnebius Ant. 8-jointed, the 6 terminal joints forming a club: max. palpi much longer than the antennæ: eyes not prominent: body slightly depressed: elytra truncate at the apex: sternum simple: tibiae and hinder tarsi not ciliated.
cxix. Hydrophilus Ant. 9-jointed, 2d joint conic, 4 terminal joints forming a club, of which the last joint is acuminated: labrum entire: mand. toothed within: sternum much elevated, acute behind: elytra narrowed behind: 4 hinder tarsi greatly compressed and ciliated: claws bifid: ]& with last joint of anter. tarsi dilated.
cxx. Hydralchus Ant. 9-jointed, 2d joint conic, 3 terminal joints forming a club, of which the last joint is obtuse: labrum notched: mand. bifid at the apex and ciliated within: sternum terminating in an acute spine, not extending beyond the insertion of the hinder legs: elytra wide behind: 4 hinder tarsi compressed and ciliated: ]& with anter. tarsi single.
cxxi. Spercheus Ant. 6-jointed, the 5 terminal joints forming a cylindrical club: elytræ notched: labrum transverse 4-drate: maxillæ with outer lobe very long, slender, setose at tip: body wide, very convex: sternum simple: tibiae angulated, smooth; tarsi with 4 basal joints short, apical one very long.
cxxii. Berosus Ant. 8-jointed, the 3 terminal joints forming an obtuse club: labrum entire: eyes very prominent: tho, convex: elytra globose, much wider than the thorax, striated: sternum simple: post. tibiae and tarsi ciliated, the latter compressed.
cxxiii. Hydrobius Ant. 9-jointed, 2d joint conic; the 4 terminal joints forming a club, with its tip acute: max. palpi with terminal joint longer than the preceding: labrum faintly notched: eyes sessile: tho. as wide at the base as the elytra; the latter obtuse, striated: sternum simple, carinated: body concolorous: post. tarsi ciliated.
cxxiv. Philhydrus Ant. 9-jointed, 2d joint somewhat conic, the 4 terminal joints forming a rather acute club: labrum entire: max. palpi much longer than the antennæ, with the terminal joint shorter than the preceding: body oblong, convex: tho. as wide as the elytra, which are not striated: scutellum small: post. tarsi ciliated.
cxxv. Laccobius Ant. 8-jointed, 2d joint conic, the 3 last forming an acute club: max. palpi with the 2 terminal joints a little elongate, and nearly equal: body somewhat globose: elytra rather glabrous, their sides nearly in continuity with those of the thorax; punctate: post. tibiae not ciliated; tarsi slender, ciliated.
cxxvi. Cletaethria Ant. 9-jointed, 2d joint globose; with a rigid bristle on one side, 2 next minute, setose, the 3 terminal ones forming an elongate ovate, pilose club, with the penultimate joint large: palpi short; the terminal joint large, obtusely conic, preceding joint small: body very gibbous; sternum simple: post. tarsi ciliated.

118 Limnebius Leach.

682 aterior Ste. M. ii. 119. pl. xiv. f. 4. — Ovate-obtuse: deep glossy black, with the lateral margins of the thorax and of the elytra paler, or reddish; thighs pitchy, tibiae and tarsi paler: immature specimens are chestnut above. (L. 1-13 l.) London district; Swansea; Devon; Halifax; Dorset; &c. (6).

683 affinis Ste. M. ii. 120. — Oblong-ovate, slightly narrowed behind; glossy black, with the margins of the thorax and of the elytra concolorous; the apex of the latter rounded; thighs black; tibiae and tarsi reddish. (L. 14-1½ l.) Near London: 4-6.
684 truncatellus *Fab. E.* i. 255. — *Ste. M.* ii. 120. — *Hy.* parvulus *Herbst.* viii. pl. 114. f. 10. — Short, ovate, obtuse behind; deep black, very smooth and glossy, with the lateral margins of the thorax and of the elytra concolorous; legs pitchy; palpi reddish. (L. 1-1\(^\frac{1}{4}\) l.) London; Netley; Norfolk; Suffolk: 4-6.

685 marginalis *Ste. M.* ii. 120. — Short, ovate: glossy black; with the hinder angles of the thorax and lateral margins of the elytra pitchy-testaceous; the tip of the latter sometimes reddish; legs pitchy. (L. 1 l.) London; Netley; Devonshire: 4-6.

686 nigrinus *Marsh.* i. 77. — *L.* nigricans *Ste. M.* ii. 121. — Oblong-ovate, obtuse: black, slightly glossy, smooth; the lateral margins of the thorax and of the elytra concolorous; legs and antennæ pitchy: sometimes pitchy-testaceous, with the legs and antennæ paler. (L. 3\(^\frac{1}{2}\)-1\(^\frac{1}{2}\) l.) Near London; Kimpton; Bottisham; Dorset; &c.: 4-6.

687 lutosus *Marsh.* i. 407. — *Ste. M.* ii. 121. — Oblong-ovate; dusky black, or brown, shining; elytra very obsoletely punctate-striate; legs pitchy; thorax rough, with transverse flexuous elevated lines. (L. 3\(^\frac{1}{2}\) l.) Near London? 4-6.

688 mollis *Marsh.* i. 407. — *Ste. M.* ii. 121. — Ovate, slightly narrowed behind; rather convex, black, shining: elytra, thorax, and legs testaceous-brown, the lateral margins of the former palest. (L. 1\(^\frac{1}{2}\) l.) Near London; Bottisham: 4-6.

689 picinus *Marsh.* i. 407. — *Ste. M.* ii. 121. — Ovate, narrowed behind, slightly convex, shining piceous; the margins of the thorax rather paler; legs pale testaceous or reddish. (L. 1\(^\frac{1}{2}\) l.) Near London?

690 nitidus *Marsh.* i. 407. — *Ste. M.* ii. 122. — Ovate, flattened; glossy black, with the margins of the thorax, and the legs pale red, or pitchy. (L. 3\(^\frac{1}{2}-3\) l.) Near London: 4-6.

119 **Hydrophilus Geoffroy.**

691 piceus *L.* ii. 664. — *Cur.* v. pl. 239. — *Ste. M.* ii. 122. — Olive-black, the edges of the elytra with a purplish or greenish tinge: the disc of the latter with 8 simple striae, the alternate interstices with a continuous row of irregular punctures, deepest towards the apex; abdomen deep black, with dull testaceous marginal spots; legs pitchy; antennæ reddish, club dusky. (L. 1 in. 4-8 l.) Ponds in brick-fields, Chelsea; Copenhagenfields; Camberwell; at Ealing; Paddington; Croydon Canal; Bottisham Fen; Whittlesea and Yaxley Meres; Newcastle; Dorset; &c.: 3-6.

120 **Hybræchus Stephens.**

692 caraboides *L.* ii. 664. — *Cur.* iv. pl. 159. — *Ste. M.* ii. 123. — Ovate; shining black; sometimes tinted with violet or greenish: head punctured on the sides; thorax the same, and with 2 oblique punctate foveæ on the disc in front; elytra with 5 punctate striae, the 2 lateral ones somewhat confluent, and between each stria 2 obtuse lines of punctures; tibiae and tarsi pitchy; antennæ and palpi dull-red, the club of the former black. (L. 8-10 l.) London district; Whittlesea Mere, &c.: ☒, *. 123

121 **Spercheus Fabricius.**

693 emarginatus *Fab. E.* i. 248. — *Ste. M.* ii. 124. — *Cur.* ix. pl. 394. — Dusky; rather opaque: head blackish, flat; thorax pitchy-brown, the sides pale; elytra coarsely and irregularly punctate-striate, the alternate interstices somewhat elevated, especially behind; ashy-brown, with scattered dusky spots; body dusky beneath; legs dull red, or pitchy, tibiae and tarsi paler; palpi and antennæ pale testaceous, club of the latter
dusky. (L. 3-3½ l.) Kensington Gardens; Windsor; York; Yaxley Fen; adhering to roots of aquatic plants: 6-7.

122 Berosus Germar.

694 luridus L. ii. 665. — Pz. F. vii. f. 3. — Ste. M. ii. 125. — Oblong-ovate; griseous-yellow; punctate: head brassy-green; thorax with a brassy-green spot on the disc of a squarish form, rather narrowed in front; elytra crenate-striate, some dots on the striae, and spots on the interstices, blackish; legs pale, the base of the 4 hinder thighs and the tips of the tibiae and tarsi dusky. (L. 2½-2 l.) London district; Southend; Cambridge; Norfolk; Suffolk; Devonshire; Swansea, &c.: 4-6.

695 aericeps Spence. — Cur. pl. 240 9. — Ste. M. ii. 126. — Ovate; convex; ochreous-yellow; punctulated: head brassy, or coppery-black; thorax with 2 parallel brassy-lines on the disc (rarely united), divided by a dull red streak; elytra very globose, deeply crenate-striate, the interstices punctured, and more or less spotted with dusky, or black: legs pale, the 4 hinder dusky at the base. (L. 2½-3 l.) Windsborough Common; Southend; Bottisham; Norfolk, and Devonshire: 4-6.

696 globosus Curtis fo. 240. — Ste. M. ii. 126. pl. xiv. f. 5. — Rather oblong-ovate, obtuse; greenish-yellow; deeply punctured: head brassy-black (sometimes with a dull red frontal spot); thorax with an irregular, outwardly toothed, greenish- or brassy-black spot on the disc, having a short longitudinal dull red ridge in front; elytra deeply crenate-striate, stria dusky, the interstices more or less spotted with black; legs dull red; 4 hinder dusky at the base. (L. 2½ l.) Hertford; Whittlesea Mere; Bottisham: 4-7.

§ B. Enoplurus Hope.

697 spinosus Ahr. F. iii. f. 5. — Ste. M. v. 400. — Black, above griseous; punctured: thorax sometimes with 2 obscure dusky clouds, placed transversely: elytra with irregular blackish clouds, punctate-striate, the outer margin towards the apex with an acute, short, straight-spine. (L. 2½-3 l.) Salt marshes near Lyndhurst: 4-6.

123 Hydrobius Leach.

698 oblongus Herbst. vii. 300. pl. 113. f. 10. — Hy. piecipes Ste. M ii. 127. — Hy. chalcenotus Cur. vi. pl. 243. — Oblong; deep pitchy-black, or slightly brassy; shining, and very thickly punctured: thorax with 2 shallow foveæ on the disc; elytra very obsoletely punctate-striate, punctures remote; legs pitchy; tibiae and tarsi reddish. (L 3½-4 l.) Banks of Thames below Gravesend; Whittlesea Mere; Lake of Killarny: 4-6.

699 fusiceps L. ii. 664. — Pz. F. lxvii. f. 13. — Ste. M. ii. 128. — Oval; pitchy-black; very glossy, very thickly punctured, sides of the head and thorax with some large punctures: elytra punctate-striate, the alternate interstices with deeper punctures; legs pitchy-brown; tarsi red: legs sometimes pale red, with base of the thighs dusky. (L. 3½-3½ l.) London district; Bristol; Southend; Dorset; Scotland: 4-6.

700 chalcenotus Leach. — Ste. M. ii. 128. — Oval; coppery- or brassy-black, sometimes purplish, or green-brass; coarsely punctured: elytra crenate-striate; legs pitchy-testaceous, tarsi paler, and base of the thighs dusky. (L. 3-3½ l.) London district; Spitchillweek; Bottisham, &c.: 4-6.

701 subrotundus Ste. M. ii. 128. — Short, somewhat globose; pitchy-black; coarsely and thickly punctured: elytra deeply punctate-striate, the alternate interstices with deeper punctures; body beneath dull black; legs pitchy-black. (L. 2½-2½ l.) Near London: 4-6.

124 Philhydrus Solier.

702 melanocephalus Fab. E. i. 253. — Ste. M. ii. 129. — Hy. 4-punctatus
Herbst. vii. pl. 114. f. 4.? — Oval, convex; above testaceous, finely punctured: head and disc of thorax black, the former with a pale crescent before each eye, the latter with 2 small black spots towards the margin; elytra with a dusky spot on the shoulder, and a deep sutural stria; legs pale dull red, thighs mostly pitchy-black. (L. 2-3 l.) London district; Bottisham; Southend; Norfolk; in Scotland, &c.: 4-5.


Var. Hy. ochropterus Marsh. i. 409. — Ste. M. ii. 130. — Black, with the sides of the thorax and the elytra lurid-ochreous; and a lurid spot before each eye. London district; Southend; Norfolk; in Scotland, &c.: 4-6.

704 fulvus Marsh. i. 408. — Ste. M. ii. 130. — Oblong-ovate; black; punctured: head tawny, crown sometimes dusky; eyes black; thorax tawny, disc cloudless; elytra spotless, with obscure longitudinal dusky lines, and a deep sutural stria; legs testaceous; thighs dusky. (L. 2J-21 l.) London district; Southend; Dorset, &c.: 4-6.

705 lividus Forst. C. i. 52. — Ste. M. ii. 130. — Hy. chrysomelinus Pz. F. lxvii. f. 15. — Oblong-ovate, flattish; above pale griseous-yellow, very thickly and finely punctured: crown rather dusky; disc of thorax sometimes clouded with the same; elytra without a sutural stria; body dusky-black beneath; legs reddish; thighs dusky; palpi very long; tips black. (L. 2J-3 J l.) London district; Bottisham; Kimpton; Southend; Norfolk: 4-6.

706 marginellus Fab. E. i. 252. — Herbst. viii. pl. 114. f. 2. — Ste. M. ii. 131. — Oblong-ovate, flattish; very thickly punctured: shining black, with the outer margins of the thorax and of the elytra dull testaceous, the latter with a sutural stria; body beneath and legs dull black; tarsi reddish; palpi and antennae pale testaceous, club of the latter dusky. (L. 1-2 l.) London district; Southend; Kingston-upon-Hull; Suffolk: 4-6.

707 affinis Ph. F. i. 185. — Ste. M. ii. 131. — Oblong-ovate, flattish; black; very thickly punctulated: thorax black, the lateral margins broadly testaceous-brown; elytra obscure testaceous-brown, the suture darker, and with a single stria; thighs dull black; tibia and tarsi dull red: sometimes the thorax and elytra are wholly pale testaceous. (L. 1-2 l.) London district; Southend; 4-6.

708 atricapillus Marsham. — Ste. M. ii. 131. pl. xiv. f. 6. — Somewhat globose; black; very thickly punctulated: head with a bent tawny spot on each side; thorax and elytra spotless lurid testaceous, the latter with a deep sutural stria, and very obscurely punctate striate towards the tip; palpi and antennae testaceous, club of the latter dusky. (L. 2-2 l.) Hertford; Ripley; Wandsworth Common; Copenhagen fields; Norwich; Southend; Lawrence Waltham: 4-5.

125 Laccobius Erichson.

709 minutus L. ii. 505. ? — Hy. bipunctatus Fab. — Pz. F. lxvii. f. 14. — Ste. M. ii. 132. — Somewhat globose; finely punctulated; black: head and disc of thorax brassy, the former with 2 pale spots in front; elytra pale griseous, obscurely irrated with fusc; and thickly punctate-striate: legs pale. (L. 1J-1J l.) Var. Hy. striatulus Fab. E. i. 254. — Ste. M. ii. 133. — Rather larger (1J l.), the punctures and the striae in the elytra less deep, and the latter
searcely clouded with dusky. London district; Bottisham; Southend; Norfolk; Suffolk; Scotland, &c.:

710 Colon Ste. M. ii. 133. — Somewhat globose; black; finely punctulated; head with 2 minute pale spots; thorax with the lateral margin pale yellowish; elytra dusky, or pale brownish, faintly punctate-striate, the disc darkest, with 2 round whitish spots towards the apex, the outer margins and sometimes the base pale; legs pale. (L. 1½-1½ l.) Near London; New Forest; Bottisham: 4-6.

711 bipustulatus Marsh. i. 406. — Ste. M. ii. 133. — Somewhat globose; glossy black: head with 2 tawny spots; thorax testaceous, with 3 more or less united dusky spots on the disc, the sides pale yellowish; elytra testaceous, clouded with obscure black lines, with a single sutural stria; legs red. (L. 1½-1½ l.) London district; Andover; Bottisham; Norfolk: 4-6.

712 Marshami. Hy. minutus Marsh. i. 406. — Ste. M. ii. 133. — Somewhat ovate; glossy pitchy-black, finely punctulated: margins of the thorax and of the elytra pale testaceous, the disc of the latter with a single sutural stria; body beneath and legs pitchy-black. (L. 1½-1½ l.)

Var.? ochraceus Ste. M. ii. 134. — Thorax deeply punctured; elytra pale immaculate ochreous; body beneath and legs pale griseous. London district; Norfolk; Suffolk; Devons; Bottisham, &c.: 4-6.

713 luteseens Ste. M. ii. 134. — Somewhat ovate; pitchy-black; head black; thorax with the anterior angles above (rarely the entire margin) pale testaceous; elytra obscurely punctured, with a faint sutural stria, the outer margins lutescent; body beneath and legs pitchy. (L. 1½-1½ l.) Near London, and in Suffolk: 4-6.

714 foveolatus Ent. Tra. (Haw.) i. 86. — Ste. M. ii. 134. — Somewhat globose; glossy-black: head immaculate; thorax with the sides pale, the disc with several minute foveolat, sometimes united; elytra pitchy-black, finely punctulated, with a faint sutural stria; legs dull red. (L. 3½-4 l.) Hampstead Heath, and London district: 4-6.

715 euneus Steven. — Ste. M. ii. 135. — Oval, convex; above densely and deeply punctured, of an obscure greenish-brass, rather glossy; beneath black: thighs pitchy; tibiae, tarsi, and palpi dull red; antennæ pitchy-red. (L. 1½ l.) Wimbledon Common: 4.

716 limbatus Fab. E. i. 97. — Hy. minutus Herbst. vii. pl. 114. f. 8. — Hyg. globulus Ste. M. 135. — Somewhat hemispheric; above dusky-black, very finely punctulated: thorax with the lateral margins broadly pale griseous; elytra gibbous, with the lateral margins and the apex more or less pitchy, and a simple sutural stria; legs brownish-red, or pitchy. (L. 1½-1½ l.) Hampstead Heath; Wandsworth Common; Bottisham, &c.: 4-6.

126 CHÆTARTHRIA Waterhouse.

717 Seminulum Ph. F. i. 190. — Herbst. vii. pl. 114. f. 11. — Ste. M. ii. 135. and v. 401. — Somewhat globose; black, shining, smooth: thorax with the lateral and hinder margins rounded; elytra with a faint sutural stria, the apex acute and dull pitchy; body beneath pitchy; legs pitchy-red; tibiae compressed; ciliated with spines. (L. 3½ l.) Wimbledon Common; in Norfolk and Suffolk: 4-6.

Fam. 15. SPHÆRIDIIDÆ Leach.
Cyclnotum. — Cercyon.

cxxvii. Cercyon Ant. 9-jointed, club large, compact, imbricated: maxillae with the lobes membranaceous: palpi slender, the terminal joint shorter than the 3d, narrowed at the apex: mentum broad, flat: body very convex: scutellum short: elytra striated: tibia compressed, setose.
cxxviii. Sphæridium Ant. 8-jointed, club rather elongate, solid: maxillae with their lobes membranaceous: palpi slender, the terminal joint as long as the 3d, slightly acuminate: mentum flat: body slightly convex: scutellum long: elytra not striated: tibia compressed, spinose: Φ with anter. tarsi dilated.

127 Cyclnotum Erichson.

718 orbiculare Fab. E. i. 252. — Pz. F. lxvii. f. 13. — Ste. M. ii. 132. — Deep glossy black; thickly and regularly punctured throughout: lateral margins of the thorax sometimes a little pitchy; elytra with a single sutural stria; body clothed with an ashy pile beneath, legs pitchy-black. (L. 2-2½ l.) London district; Southend; Dorsetshire; Norfolk: 4-7.

128 Cercyon Leach.

719 ruficorne Kirby. — Ste. M. ii. 137. — Flat; black above and finely punctured: sides of thorax dilated, sometimes pitchy; elytra faintly punctate-striate, the lateral margins pitchy, the tip pale red; legs pitchy-black; tarsi paler; antennae and palpi rusty-red. (L. 1½-1¾ l.) Damp meadows, London district; Southend; banks of Orwell; Suffolk; Portobello: 4-6.

720 litorale Gyll. i. 111. — Ste. M. ii. 145. — Rather flat; pitchy-black, very minutely punctured above: thorax pitchy, the margins dilated and paler; elytra finely striated, the striae punctate, the tip pale, margins and an obscure spot near the scutel. reddish; legs chestnut; palpi and antennae pitchy-red, club of latter dunce (1½ l.)

var. Ce. dilatatum Ste. M. ii. 145. — Elytra of a pale lurid testaceous, or ochreous, with a brown spot near the suture towards the apex; or in addition a brown cloud at the base, and the suture dusky. Var. Ce. dilatatum Ste. M. ii. 146. — Thorax and elytra pale testaceous, or ochreous. Damp meadows, London district; Barham; Southend; South Creek; Figglet Whins, &c.: 4-8.

721 depressum Ste. M. ii. 146. — Flat; pitchy-black; finely punctured: thorax very glossy; its sides dilated and chestnut; elytra faintly punctate-striate, the striae vanishing on the sides, which are pitchy-chestnut; the tip pale ochreous; antennae and palpi reddish; club of former dusky. (L. 1-1½ l.) Brockenhurst; Southend, in damp places, &c.: 4-6.

722 aquaticum Kirby. — Ste. M. ii. 146. — Convex; deep glossy black: head and thorax smooth; elytra obscurely punctate-striate, the tip dull rust-colour; legs pitchy-black or red; tibiae rust-colour; palpi and antennae reddish; club of latter dusky. (L. ½-¾ l.) In water; near London and in Suffolk: 4-6.

723 flavipes Fab. E. i. 97. ? — Ste. M. ii. 139. — Convex; deep glossy black, minutely punctured above: elytra faintly striated, the sides reddish and tip broadly yellowish; legs bright chestnut-red; antennae and palpi red. (L. ½-1 l.) Near London; Norfolk and Suffolk: 4-6.

724 terminatum Marsh. i. 70. — Ste. M. ii. 139. — Rather convex; glossy black: elytra striated, the striae prettily and thickly punctate, the tip with a large pale rusty spot, extending laterally almost to the base; antennae and legs pitchy-red. (L. 1-1½ l.) Near London: 4-6.

725 acutum Kirby. — Ste. M. ii. 139. — Convex, acute behind; deep glossy black: elytra faintly striated, the apex mostly concolorous, or with a minute reddish spot; legs, palpi, and antennae pitchy-chestnut; club of the
726 Calthae Scop. No. 18. — Ste. M. ii. 139. — Slightly convex, obtuse behind; deep glossy-black; faintly punctured: elytra distinctly punctate-striate, the tip obscurely rust-coloured; legs, antennae, and palpi pitchy-red. (L. 1 l.) Near London, and in Suffolk (in Boleti): 4-6.
727 boltiophagum Marsh. i. 72. — Ste. M. ii. 140. — Very convex, smooth, deep glossy-black; elytra faintly and delicately striated, the interstices finely punctured, dusky, with the apex fusceous; antennae and legs pitchy-red. (L. 1½ l.) Near London (in Boleti): 4-6.
728 immune Kirby. — Ste. M. ii. 140. — Convex, shining-black, smooth: elytra very obsoletely striated, the stria composed of minute punctures; interstices smooth; apex slightly pitchy; antennae and legs rusty-red. (L. ¾ l.) Near London, and in Norfolk and Suffolk: 4-6.
729 levigatum Kirby. — Ste. M. ii. 140. — Very convex, glossy black, smooth; elytra faintly striated, the striae obscurely punctate, interstices smooth; apex pitchy or palish; legs and antennae pitchy-red; club of the latter and palpi dusky. (L. 1-1½ l.) London; Hertford; Ripley; Norfolk; Suffolk; Newhaven, Scotland: 4-6.
730 apicale Ste. M. ii. 140. — Ovate, slightly convex; deep shining black; prettily and thickly punctured throughout: elytra deep pitchy, the apex chestnut; finely punctate-striated; femora black; tibiae and tarsi chestnut-red; palpi pitchy. (L. ¾ l.) London: 4-6.
731 obsolatum Gyll. i. 107. — Ste. M. ii. 141. — Rounded-ovate, slightly flattened, deep black, finely punctured throughout: elytra faintly punctate-striate, the interstices flat; lateral margins towards the tip, and the tip itself, obscurely pitchy-red; legs reddish, thighs pitchy; palpi and antennae pitchy; club of the latter Atiy (L. 1 l-1½ l.) Hampstead Heath; Hertford; Ripley; Bottisham; Netley: 4-6. In dung, like all the following species.
732 piecum Marsh. i. 69. — Ste. M. ii. 141. — Ovate, head and thorax black, very smooth and glossy: elytra pitchy, paler at the apex, minutely punctulated, the disc obscurely striated; legs wholly pitchy. (L. 1½ l.) Common near London; also in Norfolk; Suffolk; Cambridge; Scotland, &c.: 3-5.
733 piecinum Marsh. i. 69. — Ste. M. ii. 141. — Somewhat ovate, very smooth and glossy: head and thorax black and spotless; elytra pitchy, with the apex concolorous, striated, the stria composed of distinct punctures; abdomen testaceously-black; legs pitchy; antennae black. (L. 1½ l.) Var. Co. simile Marsh. i. 68. — Ste. M. ii. 141. — Elytra entirely red; the legs chestnut-red; sides of thorax palish. Near London; in Suffolk and Cromond: 4-6.
734 suturale Ste. M. ii. 142. — Somewhat ovate, glossy, minutely punctured: head and thorax black; elytra slightly punctate-striate, interstices rather convex; disc chestnut-red, suture deep black, nearly to the apex; abdomen deep glossy black; legs reddish; thighs with a dusky cloud. (L. 1½ l.) London and Norfolk; Scotland: 4-6.
735 laterale Marsh. i. 69. — Ste. M. ii. 142. — Rather ovate; very smooth: glossy pitchy, with the sides of the thorax paler, and tip of the elytra reddish; the latter obscurely punctate-striate, and deeply punctured; abdomen black; legs pitchy-red. (L. 1½ l.) London; Bottisham; Netley; Southend; Scotland, &c.: 4-6.
736 hæmorroidale Fab. E. i. 96. — Ste. M. ii. 142. — Rather ovate, convex; deep glossy black, finely punctured: elytra rather faintly punctate-striate, the apex above bright chestnut-red; abdomen, antennae, and legs black. (L. 1½ l.) Near London; in Suffolk; and in Scotland: 4-6.
737 femorale Kirby. — Ste. M. ii. 143 — Very convex; deep shining black; finely punctured: elytra pitchey-black, with the sides chestnut-red; the disc punctate-striate; thighs black; tibiae and tarsi red. (L. 1 ½ l.) Near London; and in Suffolk: 4-6.

738 haemorrhoum Gyll. i. 107. — Ste. M. ii. 143. — Very convex, ovate, obtuse; deep glossy black: head, and especially the thorax, thickly punctured, the latter very gibbous; elytra punctate-striate, the interstices obscurely but thickly punctured; the tip with a distinct large pale red patch; suture at tip black; legs pitchy-black; tibiae and tarsi paler. (L. 1 ½ l.)

Var. Ce. xanthorhœum Leach. — Ste. M. ii. 143. — Smaller, of a deeper black, with the apex of the elytra brighter; legs pitchy-black, with red tarsi. Common: London District; Norfolk; Suffolk; Devon; Bottisham; Netley; Southend, &c.: 4-6.

739 xanthoecephalum Kirby. — Ste. M. ii. 143. — Very convex, ovate, finely punctured; deep shining black: head red; elytra faintly striated, the apex pitchy-red; legs pitchy-black; tibiae and tarsi paler. (L. 1 ½ l.) Near London; and in Norfolk and Suffolk: 4-6.

740 infuscatum Ste. M. ii. 144. — Convex; deep obscure black: head and thorax thickly punctured, the latter gibbous; elytra faintly striated, interstices sparingly and finely punctured, and flattish; dull pitchy-black, the apex paler; legs wholly chestnut-red. (L. 3 ½ l.) Near London: 4-6.

741 impressum Stu. D. F. ii. 9. pl. 22. f. A. — Ste. M. ii. 144. — Ovate, shining deep black: elytra deep chestnut-red, with a large triangular black patch at the scutellum; disc rather deeply punctate-striate, interstices thickly punctured; legs bright chestnut-red; antennæ pale testaceous; palpi dusky. (L. 1 ½-1 ¾ l.) Near London; and in Hants: 4-6.

742 melanoecephalum L. ii. 563 — Herbst. iv. pl. 37. f. 10. — Ste. M. ii. 144. — Oblong-ovate, shining: head and thorax deep black, punctured; elytra testaceous-red, with a large triangular black spot at the base, and another on each side on the outer angle, the disc finely and thickly punctured, and faintly punctate-striate; legs testaceous-red; antennæ and palpi dusky: thighs sometimes black. (L. 3 ½-1 l.) Abundant in meadows and pastures everywhere: 3-7.

743 conspuratum Stu. D. F. ii. 15. pl. 22. f. B. — Ste. M. ii. 145. — Oblong-ovate; shining black: elytra pale testaceous-red, the base with a large common triangular black spot, and the lateral margin with an elongate black streak; the disc delicately punctate-striate, with the interstices finely punctured; legs, antennæ, and sometimes the palpi chestnut-red. (L. 1 ½ l.) Rare near London; common near Lyndhurst: 4-5.

744 creatum Pz. F. xxiii. f. 3. — C. atomarium Ste. M. ii. 145. — Ovate; black; obscure; thickly punctured: palpi and antennæ pitchy; elytra broad, dilated on the sides, slightly flattened, striated, the striae deeply crenate-punctate, interstices thickly punctated, the tip slightly reddish; legs rusty-red; thighs sometimes pitchy. (L. 1 ½ l.) Abundant in London district: 4-6.

745 sordidum Marsh. i. 69. — Ste. M. ii. 145. — Ovate; dull pitchy: head black; thorax pitchy-black, punctulated; elytra pitchy-red, punctate-striate, interstices finely punctured; breast black; abdomen rusty-red; legs pitchy; antennæ black; red at the base. (L. 1 l.) London district: 4-6.

746 convexus Kirby. — Ce. convexum Ste. M. ii. 145. — Rounded, ovate; deep obscure black, punctured: elytra opaque, the tip slightly edged with pitchy; finely punctate-striated, interstices impunctate; legs and antennæ pitchy-chestnut; palpi dusky. (L. 1 ½-7 l.) London district: 4-6.
convexior *Marsham.* — *Ste. M.* ii. 146. — Oblong-ovate; deep glossy black; finely punctured; elytra deeply punctured, striate, interstices slightly elevated, the apex chestnut-red; thighs and tibiae pitchy, the latter palest, or reddish; tarsi, antennae, and palpi red. (L. $\frac{3}{4}$ l.) Near London, and Scotland: 4-6.

convexiusculum *Marsham.* — *Ste. M.* ii. 146. — Oblong-ovate, slightly convex; deep shining black; head and thorax finely punctured; elytra faintly punctate-striate, interstices flat and obsoletely punctured, apex pitchy; legs dull red, femora dusky; club of antennae and the palpi black. (L. $\frac{3}{4}$ l.) Near London: 4-6.

nigrum *Marsham.* — *Ste. M.* ii. 146. — Slightly convex; black, with a brassy tinge above: elytra very faintly striated, the interstices obsoletely punctured, the tip concolorous; antennæ and legs dull black. (L. $\frac{3}{4}$ l.) Near London: 4-6.

immaculatum *Kirby.* — *Ste. M.* ii. 147. — Ovate; convex; glossy pitchy-black: thorax pitchy, thickly punctured; elytra immaculate pitchy-black, obscurely striated, interstices faintly punctulated; legs pitchy; antennae and palpi reddish. (L. $\frac{3}{4}$ l.) Near London, and in Suffolk: 4-6.

stercorator *Kirby.* — *Ste. M.* ii. 147. — Minute: oblong-ovate; deep glossy-black: elytra pitchy at the tip, very obsoletely striated, interstices thickly punctulated; thighs pitchy-black; tibiae, tarsi, and base of antennæ reddish; club of latter and palpi dusky. (L. $\frac{1}{2}$ l.) Near London, and in Suffolk: 4-6.

merdarium *Stu. D. F.* ii. 26. pl. 22. f. 8.? — *Ste.'M.* ii. 147. — Oblong-ovate; rather shining; head and thorax deep black, spotless; elytra the same, with the tip pitchy, rather faintly striate, the interstices obsoletely punctured; legs, antennæ, and palpi entirely deep black. (L. $\frac{1}{2}$ l.) London district, and Roxburghshire: 4-6.

pygmeum *Ill. K.* i. 104. — *Ste. M.* ii. 148. — Minute: ovate, black, shining; head and thorax punctulated; elytra thickly punctured, and rather faintly striated, dull chestnut with the base darkest; thighs pitchy; tibiae and tarsi red. (L. $\frac{3}{4}$ l.) Near London; common: 4-6.

erythropum *Kirby.* — *Ste. M.* ii. 148. — Minute: ovate, black; head and thorax pitchy-black, minutely punctured; elytra pitchy-chestnut, the apex red; faintly striated, interstices finely punctured; legs wholly red. (L. $\frac{1}{4}$ l.) Near London, and in Norfolk and Suffolk: 4-6.

lugubre *Fab. E.* i. 96.? — *Ste. M.* ii. 148. — Very minute: ovate, black: thorax with lateral margins faintly pitchy; elytra glossy pitchy-black, the apex more or less reddish, convex, punctate-striate, interstices nearly smooth; legs, palpi, and antennæ dull red. (L. $\frac{3}{4}$ l.) London district, Norfolk; Suffolk, &c.: 4-6.

minutum *Fab. E.* i. 98. — *Ste. M.* ii. 148. — Ovate; black; thorax with sides concolorous; elytra faintly punctate-striate, the apex smooth and pitchy, interstices very faintly punctulated; legs pitchy or deep black; sometimes reddish. (L. $\frac{3}{4}$ l.) Common near London: 4-6.

obscurn *Marsh.* i. 72. — *Ste. M.* ii. 149. — Ovate; dull pitchy, shining; thorax with the sides reddish; elytra flattish, very obsoletely striated, pitchy with the tip red; legs pitchy; palpi dusky; antennæ pale red, the club dusky. (L. $\frac{7}{10}$ l.) Near London: 4-6.

contaminatum *Kirby.* — *Ste. M.* ii. 149. — Ovate, very convex, slightly narrowed behind; head pitchy-black; thorax rather glossy, pitchy-black, with the sides dull reddish in front; elytra very obsoletely striate, interstices impunctate, deep pitchy-chestnut, with the tip paler; legs, antennae, and palpi chestnut-red. (L. $\frac{7}{10}$ l.) Near London; in Suffolk and Norfolk: 4-6.
759 concinnum Marsh. i. 74. — Ste. M. ii. 149. — Ovate, shining: head and thorax black, anterior and lateral margins of the latter testaceous; elytra deep pitchy-testaceous, faintly punctate-striate, interstices impunctate; legs, antennae, and palpi red. (L. $\frac{3}{4}$ l.) Near London; and in Suffolk and Norfolk: 4-6.

760 ferrugineum Marsh. i. 74. — Ste. M. ii. 149. — Ovate, glossy; entirely of a deep rusty-red: elytra punctate-striated; legs, antennae, and palpi pale testaceous-red. (L. $\frac{3}{4}$-1 l.) London district: 4-6.

761 stercorarium Marsham. — Ste. M. ii. 150. — Ovate, very convex; deep glossy black: head and thorax spotless; elytra gibbous, faintly punctate-striated, interstices punctate, deep black, with the apex concolorous; legs, antennae, and palpi red. (L. $\frac{3}{4}$ l.) London; Suffolk; Norfolk; Devon, &c.: 4-6.

762 fusescens Ste. M. ii. 150. — Oblong-ovate, slightly depressed and shining: head black; thorax pitchy-black, the sides broadly testaceous; elytra somewhat fusaceous, the outer edge pitchy, apex pale, faintly punctate-striate, interstices smooth; antennae, palpi, and legs pale. (L. $\frac{1}{2}$ l.) Near London: 4-6.

763 immundum Stu. D. F. ii. 25. pl. 22. f. E. — Ste. M. ii. 150. — Ovate, convex, broad, glossy chestnut-brown: margins of the thorax paler; elytra pale chestnut, faintly striated, the interstices very obsoletely striated transversely; antennae, legs, and palpi pale chestnut-red. (L. $\frac{1}{3}$-3 l.) Near London: 4-6.

764 nigriceps Marsh. i. 72. — Ste. M. ii. 151. — Ovate, shining: head black; thorax with the disc black, margins entirely pitchy, or dull-red; elytra pale rust-colour, faintly punctate-striate, the interstices convex, punctured; body deep black beneath; antennae and legs dull-red; palpi luteous. (L. $\frac{1}{2}$ l.)

Var. atricapillus Marsh. i. 72. — Ste. M. ii. 151. — Disc of thorax immaculate testaceous-red; abdomen the same.


765 laeve Marsh. i. 73. — Ste. M. ii. 151. — Ovate, slightly shining, deep chestnut, with the head nearly black; elytra punctate-striate, interstices slightly elevated and impunctate; antennae, legs, and palpi pale chestnut. (L. $\frac{7}{12}$ l.) Near London?: 4-6.

766 testaceum Kirby. — Ste. M. ii. 152. — Minute: ovate, slightly glossy; the entire body deep pitchy-testaceous, with the head rather darkest; elytra obsoletely striated; legs, palpi, and base of antennae pale testaceous, club of the latter dusky. (L. $\frac{1}{2}$ l.) Suffolk and Norfolk: 4-6.

767 inustum Marsh. i. 76. — Ste. M. ii. 152. — Ovate, shining: head black; thorax black, with red margins; elytra striated, testaceous, with a 3-angular common brown patch at the base, and a large brown spot on the disc behind the middle; legs and antennae testaceous. (L. 1 l.) Near London; and South Creak, Norfolk: 4-6.

768 ustulatum Kirby. — Ste. M. ii. 152. — Oblong-ovate, shining black: head and thorax immaculate; elytra striated, testaceous, each with an irregularly defined ustulated cloud on the disc towards the apex; legs pitchy-black; antennae testaceous. (L. 1 l.) Near London; in Suffolk, and Scotland: 4-6.

769 bimaculatum Ste. M. ii. 152. — Oblong-ovate, shining: head black; thorax the same, with concolorous margins; elytra testaceous, striated, interstices slightly convex and faintly punctulated, each with a round deep black spot near the suture towards the apex; body pitchy-black beneath; legs black; antennae and palpi pale testaceous. (L. 1 l.) London: 4-6.
PHILHYDRIDA. — ANISOTOMIDÆ.

770 quisquiliaum L. ii. 558. — Herbst. iv. pl. 37. f. 10. — Ste. M. ii. 153. Oblong-ovate, shining black, punctured; thorax with the sides pale, the border evident in the ♀; elytra pale yellowish, faintly punctate-striate, spotless in the ♂; with a large common somewhat heart-shaped black patch on the suture a little beyond the middle in the ♀; legs pale rust-colour. (L. ¾-1¾ l.)

Var. ♀? — Ce. flavus Marsh. i. 71. — Ste. M. ii. 153. — The elytra pale spotless yellow. (L. 1½ l.) London district; Norfolk; Scotland, &c.; 3-6. *

771 scutellare Ste. M. ii. 153. — Minute: short; ovate, slightly glossy; head and thorax black; elytra pale testaceous, with an elongate-triangualar black spot at the base on the suture, common to both, punctuate-striate; legs, palpi, and antennæ pale yellowish; club of the latter dusky. (L. ¾ l.) Near London: 6.

772 nubilipenne Ste. M. v. 401. — Pitchy-red, glossy, faintly punctured; elytra obscurely punctate-striate, paler than the thorax, with a round brown cloud in the centre of each; legs and antennæ pale pitchy-red. (L. ¾ l.) Near London: 6.

129 Sphæridium Fabricius.

773 Scarabæoides L. ii. 563. — Pz. F. vi. f. 2. — Ste. M. ii. 154. — Black, shining; finely and thickly punctulated; thorax with its lateral margins concolorous; elytra with a blood-red terminal spot, and a yellowish one at the apex; legs testaceous, variegated with fuscous. (L. 2½-3½ l.)

Var. Sp. lunatum Fab. E. i. 93. — Ste. M. ii. 156. — Elytra without the anterior red spot; the outer edge red.

Var.? Sp. Daltoni Kirby. — Ste. M. ii. 156. — Elytra spotless, the outer margin slightly edged with reddish towards the apex; legs pitchy; thighs with a black patch. Throughout the South of England; in Suffolk, and in Yorkshire: 4-7.

774 marginatum Fab. E. i. 93. — Ste. M. ii. 156. — Cur. xi. pl. 518. — Black, shining; punctulated; outer margins of the thorax and of the elytra testaceous-yellow; legs dull red, with a black band on the thighs. (L. 2-2½ l.)

Var. De. 4-maculaturn Marsh. i. 66. — Ste. M. ii. 155. — Elytra with a round pale red spot at the base, and a paler one at the apex; thighs with a black spot.


775 bipustulatum Fab. E. i. 93.? — Ste. M. ii. 155. — Deep shining black; finely punctulated; elytra with a more or less obscure rounded reddish humeral spot, and a fainter lunate one at the apex, the outer margin very finely edged with testaceous, and the disc at the base very obscurely striate; legs pitchy, with the thighs testaceous at the base. (L. 2½-3 l.) London district: 4-7.

Fam. 16. ANISOTOMIDÆ Stephens.

cxx. Phalacrus Ant. remote, club 3-jointed, tip acute: palpi short, filiform; head small: tho. gibbous; body broadly ovate, very convex: elytra entire: tibiae not spinous; tarsi slender, 3d joint bilobed.

cxxi. Ephistemus Ant. approximating at the base; club 3-jointed, tip obtuse; palpi not filiform; max. with terminal joint elongate, subulate; head exposed, minute: tho. slightly gibbous: elytra entire: body elongate, ovate, narrowed at each end: tibiae not spinous: tarsi simple.
cxxxii. **Alexia Ant.** with basal joint large, swollen without; club 3-jointed, obovate, villose: *palpi* with terminal joint thick, obtuse: head large, deflexed: *tho.* short, deeply notched in front: *elytra* ample, narrowed behind, entire: *body* very convex: legs short.

cxxxiii. **Leodes Ant.** long, remote; club 5-jointed, its 2d joint minute, terminal large: *palpi* nearly filiform: head small, exposed: *tho.* transverse: *body* ovate, convex, glabrous: *elytra* margined, entire: *tibia* compressed, spinous externally: *4 anter.* tarsi 5-jointed, slightly dilated in *d*, 2 poster. 4-jointed: hinder *thighs* deulate, and *tibia* bent in *θ*.

cxxxiv. **Agathidium Ant.** short; club 3-jointed, subovate: *palpi* filiform: head very broad, inflexed: *body* globose, hemispheric; contractile into a ball: *elytra* entire, the sides inflexed; *tibia* setose; *tarsi* 4-jointed, simple.

cxxxv. **Clamhus Ant.** slender, pilose, the 2 last joints large, oblong, forming a club: *head* very wide, rounded in front: *tho.* transverse, the sides expanded: *body* broadly ovate, depressed behind, contractile into a ball: *elytra* rounded at the apex: *tibia* slightly pilose; *tarsi* 4 or 5-jointed.

cxxxvi. **Corylophus Ant.** slender; club 3-jointed, ovate, compressed: head small, concealed beneath the anter. margin of *thorax*, the latter semi-oval, pubescent: *elytra* obtusely rounded at the tip: *body* ovate, somewhat flat: *tarsi* 6-jointed, the hinder pair with last joint long.

cxxxvii. **Orthoperus Ant.** short, club 2-jointed: *head* minute, narrow, exposed: *tho.* ample, subovate, slightly convex: *elytra* rather convex, somewhat ovate, slightly truncate at the apex: *tibia* simple.

cxxxviii. **Sericoderus Ant.** elongate, slender; club 3-jointed, elongate: head small, concealed beneath the anter. margin of the *thorax*, which last is wide, somewhat 3-angular and silky: *body* somewhat convex, a little depressed behind, silky: *elytra* distinctly truncate at the apex.

130 **Phalacrus Paykull.**

776 aeneus *Pk. F.* i. 65. — *Pz. F.* iii. f. 3. — *Ste. M.* ii. 159. — Oblong-ovate; greenish-brass, extremely glossy, rather narrowed behind; *elytra* with 2 faint striae towards the suture, not reaching to the base; *body* beneath pitchy; legs pitchy-black; *antennae* dusky, the base dull red. (L. 3^1/2 l.) Near London, common; Scotland: £, *.*

777 ovatus *Marsh.* i. 76. — *Ste. M.* ii. 160. — Oblong-ovate; shining brassy-black; narrowed behind: *thorax* obscurely punctured; *elytra* with 2 deep striae parallel with the suture, and several faint ones on the rest of the surface, interstices finely punctured; *antennae*, *palpi*, and *legs* pitchy. (L. 3^1/2 l.) Var.? *Ph. cognatus* *Ste. M.* ii. 160. — *Ovate*; not narrowed behind; *deep black*, with a brassy tinge: *legs*, *antennae*, and *palpi* pitchy-black. Near London, and South of Scotland: 4-6.

778 corticalis *Ill.* K. i. 40. — *Stu. D.* F. ii. pl. xxx. f. *A.* — *Ste. M.* ii. 160. — Oblong-ovate; *pitchy-testaceous*: the head, *thorax*, suture, apex, and lateral margins of the *elytra* pitchy-black; *disc* of *elytra* faintly punctulated, and with 2 short faint striae near the suture; *eyes* black; *antenna* reddish. (L. 1-1 3^1/2 l.) London district; Ravelstone Wood, near Edinburgh; Kimpton, &c.: 4-6.

779 striatus *Ste. M.* v. 402. — Oblong-ovate, narrowed behind; brassy-black, shining: *elytra* distinctly striated; the *disc* pale chestnut behind; *antennae*, *palpi*, and *legs* reddish. (L. 3^1/2 l.) Kimpton: 4-6.

780 coruscus *Pk. F.* iii. 438. — *Ste. M.* ii. 161. — Short, ovate, very convex; deep glossy black: *head* and *thorax* obscurely punctured; *elytra* nearly impunctate, with a stria near the suture, not reaching to the base; *legs* black, clothed with ashy pile; *antennae* with terminal joint very acute: *head* pitchy beneath. (L. 1-1 3/4 l.)
Var.? Ph. picipes Kirby. — Ste. M. ii. 161. — Striae on the elytra extending from base to apex; legs and antennae pitchy-black. London district.

781 substratius Gyll. iii. 428. — Ste. M. ii. 161. — Short, ovate, very convex; deep glossy black; elytra impunctate, regularly but faintly punctate-striate, the striae not reaching to the base; legs pitchy-black, with an ashy pile; antennae black, the terminal joint obtuse. (L. 1 l.) London; Suffolk; Swansea; Norfolk: 4-6.

782 nigrinus Ste. M. ii. 162. — Rather elongated, and depressed; black, slightly shining and tinged with brassy; impunctate; elytra with a very obscure short stria near the suture; legs black. (L. 1 l.) Near London; New Forest; Swansea: 4-6.

783 Caricis Stu. D. F. ii. 80. pl. xxi. f. D.? — Ste. M. ii. 162. — Ovate; slightly depressed, rather obtuse behind; very deep glossy black; impunctate; elytra obscurely striated, the striae composed of delicate punctures; body beneath, legs, and antennae deep black. (L. 4-1 l.) On Carex acutus, near London, and in Devonshire: 4-6.

784 Millefolii Ph. F. iii. 439.? — Ste. M. ii. 162. — Short, ovate, slightly convex; deep glossy black, beneath pitchy: head and thorax impunctate; elytra very slightly narrowed behind, finely punctate-striated, the striae rather deep; legs pitchy-black; antennae black, the terminal joint rather acute. (L. 4-1½ l.) On Achillea millefolium (fl.) near London, and Halesworth: 4-6.

785 Achilleae Marsham. — Ste. M. ii. 162. — Oval; pitchy-black, with a brassy tinge: head and thorax extremely smooth and glossy; elytra with a single stria near the suture; body dusky-pitchy beneath; legs pitchy; antennae black. (L. 3½ l.) On Achillea millefolium (fl.) near Barham; at Bristol, &c.: 6.

786 eneo-piceus Kirby. — Ste. M. ii. 163. — Short, ovate, convex; pitchy-brass; very glossy; head and thorax impunctate; elytra with a faint sutural stria; body dull pitchy beneath; legs and antennae pitchy-red. (L. 7½-3 l.) Near London, and in Norfolk and Suffolk: 5.

787 bicolor Ph. F. iii. 439. — Ste. M. ii. 163. — Oblong-ovate; very glossy black: head and thorax smooth; mouth reddish; elytra narrowed at the apex, with 2 stria near the suture, uniting near the tip; a little within the latter is a dull red spot, sometimes very large, at others almost vanishing; body beneath, legs, and antennae dull testaceous-red. (L. 3½-1 l.) Near London, on flowers: 5-6.


789 Leachiellus Ste. M. ii. 163. — Oblong-ovate; deep fuscous, very glossy: head and thorax smooth, nearly black; elytra blackish brown, with the apex testaceous, with a single obscure stria near the suture; antennae and legs testaceous; body pitchy-red beneath. (L. 1 l.) Near London and Bristol: 4-6.

790 flavicornis Stu. D. F. ii. 78. pl. 21. f. B. — Ste. M. ii. 164. — Ovate; glossy black, shining: head and thorax smooth; elytra with a single stria near the suture, the apex concolorous, or faintly pitchy; body beneath and legs dull red, the latter with a chestnut tinge; antennae pale reddish yellow. (L. 1-½ l.) London and Bristol: 4-6.

791 Stephensii Leach. — Ste. M. ii. 164. — Rather elongate-ovate, of a deep shining brown, tending to chestnut, and slightly tinted with brassy;
the under parts pitchy: head and thorax smooth; elytra with the apex pale, or pitchy-red, with a very faint short stria near the suture; antennae and legs pale testaceous. (L. $\frac{3}{4}$-12 l.) London; Lambeth; Hertford, &c.: 4-5.

792 rufipes Ste. M. ii. 164. — Short, ovate, somewhat obtuse; shining testaceous-brown; thorax pitchy-brown, the margin pale testaceous; elytra short, broad, pitchy-brown, with the tip pale testaceous, near the suture a faint stria; legs pitchy-red; antennae and body beneath pale testaceous. (L. $\frac{3}{4}$ l.) Near London and Bristol, and in Scotland: 4-6.

793 geminus Sta. D. F. ii. 75. — Ste. M. ii. 165. — Ovate; testaceous-brown, very glossy: head reddish-chestnut, mouth pale; eyes black; thorax chestnut, with pale sides; elytra with the apex more or less yellowish, with a faint stria near the suture, and one or more very obscure rudimentary ones towards the shoulders; antennae and legs pale testaceous. (L. $\frac{3}{4}$-1$\frac{1}{4}$ l.) In Scotland: 4-6.

Var. ? De. consimilis Marsh. i. 75. — Ste. M. ii. 165. — Ovate; deep rusty-brown, very glossy: head chestnut brown, mouth pale; eyes black; thorax with a narrow pale margin; elytra moderately convex, with a faint stria near the suture and an obscure one towards the shoulders. Near London; and in Devonshire; Norfolk; and at Swansea.

794 piecus Knoch. — Ste. M. ii. 165. — Short, ovate, obtuse behind; pitchy-brown, shining: head and thorax smooth; the former palish in front, and the sides of the latter concolorous with the disc; elytra deep pitchy-brown, the apex faintly paler, with a stria towards the suture alone; body beneath pitchy; antennae and legs testaceous-red. (L. $\frac{3}{4}$-1 l.) Near London, and in Devonshire: 4-6.

795 Uliscs Kirby. — Ste. M. ii. 166. — Obovate, convex, slightly narrowed behind; glossy black; pitchy beneath; elytra smooth, with 2 faint striæ towards the suture, not extending to the base, and on the disc in certain lights some obscure rudimentary ones; legs pitchy-black, or reddish-brown; antennae reddish at the base, dusky at the tip. (L. $\frac{3}{4}$-5 l.) On furze, near London, and in Suffolk and Norfolk: 4-6.

796 pygmæus Sta. D. F. ii. 84. pl. 32. f. C. — Ste. M. ii. 166. — Oblong-ovate; deep black, slightly glossy: elytra with the apex reddish, with 2 or 3 faint short striæ at the base near the suture; body beneath and legs pale pitchy-brown; antennae dusky. (L. $\frac{3}{4}$ l.) Near London: 4-6.

797 piceorrhæus Marsh. i. 78. — Ste. M. ii. 166. — Oblong-ovate, slightly convex, and a little narrowed behind; smooth, shining black: elytra with a large somewhat 3-angular, more or less, pitchy or flavescent patch at the apex, not striated; legs pitchy-red, or pitchy; antennae pale testaceous, the club dusky. (L. $\frac{1}{2}$-5 l.) Near London; Bristol; Norfolk; Suffolk: 4-6.

798 pulchellus Marsh. i. 72. — Ste. M. ii. 167. — Ovate; glossy: head and thorax black, the anterior edge of the latter slightly distinct; elytra chestnut-brown, with the tip paler, smooth, not striated; legs and antennæ pale red. (L. $\frac{1}{2}$ l.) Near London; Rachills: 4-6.

799 nitens Marsh. i. 79. — Ste. M. i. 167. — Rather oblong; black, shining: head and thorax immaculate; elytra faintly striated, pitchy black, with the apex paler; legs dull red; antennæ dusky, or black. (L. $\frac{2}{3}$ l.) Suffolk; Norfolk: 4-6.

131 Ephistemus Westwood.

800 Gyrinoides Marsh. i. 77. — Ste. M. ii. 168. — Shining, glabrous; black; impunctate: mouth testaceous; anterior margin of the thorax slightly

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tinged with chestnut; elytra very convex; wide in front, narrowed behind, the tip obscurely edged with petichy; antennae and legs pale testaceous. (L. 1 l.) London; Hertford; Swansea; Cramond, &c.: 4-8.

801 nigriclavis Ste. M. ii. 168. — Shining, glabrous; black; impunctate: mouth petichy; thorax wholly black; elytra deep petichy-black, with the apex rather paler; legs testaceous-red; antennae pale testaceous, the club dusky. (L. 1 l.) London and New Forest: 4-6.

802 confinis Ste. M. ii. 169. pl. 15. f. 2. — Glossy black, slightly pubescent: mouth testaceous; thorax with the anterior margin narrowly edged with chestnut; elytra glabrous, impunctate, dark petichy-black, with the tip more or less chestnut; antennae and legs chestnut. (L. 1 l.)


132 Alexia Stephens.


805 globosa Stea. D. F. ii. 82. pl. 32. f. A. — Ste. M. ii. 166. and v. 402. — Somewhat orbicular, slightly convex; reddish-brown, or dull chestnut; shining; impunctate; elytra rather obtuse behind, not striated; legs pale reddish-yellow; antennae the same at the base, dusky at the tip. (L. 1 l.)

Near London: 5.

806 lavissima Ste. M. v. 402. — Deep black; extremely glossy and smooth; elytra deeply and somewhat regularly punctate; antennae and legs petichy; club of the former black. (L. 1 l.) Near London and Bottisham: 5.

133 Leiodes Latreille.

807 punctata Stea. D. F. ii. 42. pl. 25. f. A. — Ste. M. ii. 170. — Elongate-ovate, testaceous-yellow, shining: head reddish; thorax with minute remote punctures; elytra coarsely and thickly punctured throughout, with an obscure stria near the suture; legs pale yellowish; antennae reddish-yellow at the base, the 3 terminal joints dusky. (L. 1 l.)

Near London: 4-6.

808 aciculata Kunzé. — Ste. M. ii. 170. — Short, ovate; pale testaceous; eyes black; head and thorax pale testaceous-red, impunctate; elytra somewhat chestnut, finely strigose transversely throughout, with a rather deep sutural stria and the merest rudiments of 1 or 2 others on the disc: hinder thighs with a minute tooth towards the apex. (L. 1 l.)

South Creek, Norfolk,; and Devonshire?; Cramong: 4-6.

809 dentipes Gyll. ii. 567.?—— Ste. M. ii. 170. — Globose-ovate; testaceous-red, shining; eyes black; elytra finely punctate striate, interstices faintly strigose transversely; legs stout; hinder thighs in θ with a large acute tooth near the tip, and a smaller one about the middle; hinder tibiae slightly bent; ϕ without the teeth and the hinder tibiae straight: antennae pale testaceous, the 8th joint scarcely smaller than the 7th. (L. 1 l.) Bank near Coombe Wood: 4-6.

810 Gyllenhalli Ste. M. ii. 197. — Le. brunnea. Gyll. ii. 566. — Ste. M. ii. 171. — Globose-ovate, slightly narrowed behind; red-brown: eyes and club of antennae black; head and thorax impunctate; elytra regularly but finely punctate striate, the interstices faintly strigose transversely;
LEIODES.

legs stout; antennæ rusty at the base, the 8th joint distinctly smaller than the 7th. (L. ¾ l.) Darent Wood: 6.


812 pallens Stu. D. F. ii. 39. pl. xxiv. f. B. — Ste. M. ii. 171. — Oblong-ovate; pale testaceous or ochreous; with the under side and legs paler: eyes black; head and thorax impunctate; elytra punctate-striate, interstices smooth; antennæ with the club dusky. (L. 1 l.) Darent Wood: 6.

813 multistriata Gyll. ii. 708. — Ste. M. ii. 172. — Oblong-ovate, shining ferruginous; head and thorax darker and finely punctured; elytra thickly punctured, the punctures disposed in striae, the alternate rows being smallest, and the striae rather confused on the shoulders; body beneath and legs testaceous; the latter palest, with the hinder tibiae slightly bent; antennæ dull red, club dusky; eyes brown. (L. 1 l.) Hertford: 5-6.

814 punctatissima Ste. M. ii. 172. pl. 15. f. 3. — Oblong-ovate, rather flat, deep glossy black: thorax and elytra thickly, deeply, and confusedly punctate, the punctures on the latter forming irregular striae, those on the sides producing wrinkles; thighs pitchy, hinder ones nearly black; tibiae, tarsi, mouth, and 7 basal joints of antennæ testaceous. (L. 1 l.) Kimpton: 11.

815 castanea Ill. K. i. 77. — Stu. D. F. ii. pl. xxv. f. C. — Ste. M. ii. 173. — Oblong-ovate; slightly narrowed behind; pitchy black; beneath rusty-red: head and thorax faintly punctured, sides of latter and of elytra reddish, disc of the latter thickly punctured, the larger punctures placed in irregular double striae; legs and base of antennæ rusty-red, club of the latter dusky. (L. 1-1½ l.) Hertford; Rosslyn; Cramond: 5-7.

816 maritima Rudd. — Ste. M. v. 402. — Oblong-ovate; rusty-red; shining: eyes dusky; thorax impunctate; elytra deeply punctate-striate, the interstices sparingly punctured; legs pale red; antennæ with the club dusky. (L. 1½ l.) Shores of Tees, and near Edinburgh: 4-6.

817 punctulata Gyll. ii. 566. — Ste. M. ii. 173. — Globose-ovate; bright shining rust-colour; thickly punctured: head pitchy-black; thorax rusty-brown; elytra with the suture dusky, regularly punctate-striate, each interstice with a continuous row of minute punctures; breast and club of antennæ dusky; base of latter and legs pale testaceous. (L. 1-1½ l.) Hertford: 4-6.

818 Marshami Ste. M. ii. 173. — De, castaneus Marsh. i. 78. — Oblong-ovate, slightly flattened, very glossy: head and thorax deep fuscous, finely punctured; elytra chestnut, faintly punctate-striate, interstices obscurely punctured; antennæ and legs dusky. (L. 1 l.) Near London, and in Suffolk: 4-6.

819 thoracica Ste. M. ii. 174. — Globose-ovate; pitchy-chestnut, shining: thorax very globose and glossy, faintly punctured; elytra rather paler, deeply punctate-striate, interstices not punctate; body beneath and legs pale ferruginous; hinder thighs with a tooth at the apex, their tibiae bent; antennæ dull red, with the club dusky. (L. 1-1¼ l.) Coombe Wood; near Edinburgh: 4-6.

820 polita Marsh. i. 124. — Ste. M. ii. 174. — Globose-ovate; chestnut; very glossy, especially the thorax, which is minutely punctured; elytra deeply punctate-striate; interstices convex, with scattered punctures; legs and base of the antennæ red, club of latter dusky. (L. 1-1¼ l.) Coombe Wood; Cramond, &c.: 4-6.
821 nigricollis Ste. M. ii. 174. — Oblong-ovate; deep rusty-chestnut, shining: thorax deeply punctured, with 2 larger punctures in front; elytra faintly punctate-striate; interstices flattish and impunctate; body beneath pitchy; legs and antennae testaceous, the club of the latter dusky. (L. 1 ½ l.) Near London: 4-6.

822 maxillosa Kirby. — Ste. M. ii. 175. — Rather oblong-ovate; testaceous, with the eyes brown and the abdomen reddish-fuscous; legs yellowish; mandibles prominent; thorax faintly punctured; elytra punctate-striate, interstices slightly convex and impunctate. (L. 1 l.) Near London, and in Suffolk: 4-6.

823 testacea Ste. M. ii. 175. — Rather globose-ovate; pale testaceous: eyes black; head and thorax very thickly punctulate; elytra with the suture chestnut, the disc very faintly punctate-striate; the punctures minute, interstices flat and smooth; legs and base of antennae pale, club of the latter dusky. (L. 1-1 ½ l.) Near Swansea; in Norfolk; and near Crumond: 4-6.


825 ferruginea Fab. E. i. 99. — Ste. M. ii. 175. — Rather globose-ovate; shining rusty-red; head and thorax finely punctulate; elytra deeply punctate-striate, the interstices rather convex, the alternate ones with a row of minute punctures; legs stout; tibiae very sinuous; hinder pair slightly bent. (L. 1 ½ l.) Cheltenham, 6; Norfolk; Devon; Musselburgh: 4-6.

826 Dillwynii Ste. M. v. 403. — Somewhat globose-ovate, shining rusty-red: head and thorax very thickly and rather deeply punctured; elytra finely punctate-striate, the interstices sparingly punctate; antennae and legs pale red; eyes black. (L. 1 ½ l.) Swansea: 7.

827 rufipennis Phil. F. i. 70. — Ste. M. ii. 176. — Globose-ovate; pitchy-black; shining: thorax with the edges slightly reddish, the disc very faintly punctulate; elytra bright rusty-red, deeply punctate-striate, with a few remote punctures on the alternate interstices; abdomen pitchy-red; legs and base of antennae dull red; club of latter black. (L. 1-1 ½ l.) Coombe: Darenth; Hertford, &c.: 4-6.

828 arenaria Rudd. — Ste. M. v. 403. — Rather globose-ovate; pale rusty-red: head and thorax finely but thickly, punctured, and very glossy; eyes black; elytra rather deeply punctate-striate, with the interstices faintly punctured; legs pale testaceous; hinder tibiae slightly bent; antennae pale testaceous, club dusky. (L. 1 ½ l.) Stockton and Edinburgh: 4-10.

829 litura Ste. M. v. 403. — Rather oblong-ovate; deep glossy black: head and thorax minutely punctured: elytra punctate-striate, with a broad bright chestnut-red streak, extending nearly to the tip; legs pale; antennae pitchy-chestnut. (L. 1 l.) Dumfriesshire and Edinburgh: 6.


832 cinnamomea Pz. F. xii. f. 15. — Ste. M. ii. 176. — Cur. vi. pl. 251. — Oblong-ovate; pale glossy, rusty-red; front with 2 forewings: thorax very convex, glossy and very thickly punctured; elytra moderately punctate-
striate, the interstices minutely punctulate, the alternate ones with some remote larger punctures; legs pale red; hinder thighs in the ♂ clavate, with 2 or 3 teeth towards the apex; hinder tibiae elongate, bent and toothed within; antennae rusty at the base; club dusky. (L. 2-3½ l.) In truffles; Audley-end, Essex; Kimpton; Devon; Cornwall: 3-5.

833 Lycoperdi Ste. M. ii. 177. — Oblong; dark dull red: head and thorax pale, impunctate; elytra punctate-striate, alternate interstices with a few remote punctures, the rest impunctate; legs pale testaceous; hinder thighs slightly thickened, with 1 large tooth near the middle, and a 2d near the apex; hinder tibiae short, a little bent; antennae dull red. (L. 2-2½ l.) Hereford and W. of England: 5.

834 picea Ill. K. i. 75. — Pz. F. xxxvii. f. 8. — Ste. M. ii. 177. — Short, ovate; rusty-chestnut, shining: eyes black; head and thorax coarsely punctate; elytra deeply punctate-striate, the interstices very obscurement punctured, with a few larger remote punctures on the alternate ones; body pitchy-chestnut beneath; hinder thighs shortish, with a single tooth in the middle; hinder tibiae short, nearly straight. (L. 2 l.) Near London, and Luss in Scotland; Cramond and Rosslyn: 4-8.

835 armata Stu. D. F. ii. 34. pl. xxiv. f. A. — Ste. M. ii. 177. — Short; somewhat globose-ovate; deep glossy rusty-red: head and thorax impunctate; elytra widish in front, faintly punctate-striate, interstices thickly and finely punctured throughout; legs pale red; hinder thighs elongate, clavate, slightly toothed; hinder tibiae elongate, much bent: antennae pale red, club dusky. (L. 1½ l.) Moushold Heath, Norwich; Carlisle: 5-7.

836 rugosa Ste. M. ii. 178. — Short, somewhat globose-ovate; rather glossy rusty-red: head and thorax minutely punctured; elytra faintly punctate-striate; the punctures very distinct, the interstices transversely wrinkled; legs pale red; antennae pitchy-red, the three terminal joints large; eyes dusky. (L. 1½ l.) Near London: 5.

837 Stephensii Rudd. — Ste. M. v. 404. — Short, ovate; rusty-red: head and thorax thickly punctured; eyes dusky; elytra punctate-striate, the interstices very thickly, irregularly, and coarsely punctured; and antennae pale rusty-red, club of the latter black. (L. 1½ l.) Near Stockton and Edinburgh: 4-6.

838 humeralis Fab. E. ii. 558. — Pz. F. xxiii. f. 1. — Ste. M. ii. 178. — Nearly hemispheric; above black, beneath rusty-red: elytra clothed with a fine tawny pubescence, irregularly punctate-striate, interstices very thickly punctulated, the shoulders with a large 4-angular red spot: club of antennae dusky. (L. 1½-2 l.) In Agarics, Greenhithe; New Forest; Netley; Norfolk; Devon; Cramond; Dalmeny; Queensferry: 4-7.

839 axillaris Gyll. ii. 560. — Ste. M. v. 404. — Somewhat hemispheric, black, shining, rusty-red beneath: elytra glabrous, with a small bright-red spot on the shoulder, the disc striated, the striae placed in pairs, and the interstices smooth. (L. 1½ l.) Near London, and in S. Wales: 4-6.

840 abdominalis Ph. F. i. 71. — Pz. F. xxxvii. f. 9. — Ste. M. ii. 179. — Somewhat hemispheric; above glossy-black, beneath pitchy-red: thorax faintly punctured, its lateral and hinder margins slightly ferruginous; elytra regularly and distinctly punctate-striate, the interstices faintly but obscurely punctured; legs and antennae red. (L. 1⅓-1½ l.) Cumberland: 6.

134 Agathidium Illiger.

841 ruficolle Marsh. i. 68. — Stu. D. F. ii. pl. xxix. f. D. — Ste. M. ii. 179. — Globose; black: thorax, antennae, and legs red; elytra and tho-
rach with obscure dispersed punctures; body black beneath. (L. 1-1½ l.)
Colney-hatch Wood: 4-5.

842 Globus Ph. F. iii. 437. — Ste. M. ii. 180. pl. xv. f. 4. — Nearly globose; black, shining, irregul}
arily, but distinctly, punctate: thorax bright glossy red, faintly punctured; body pitchy beneath, with the apex pale testaceous; legs pitchy, tips of tibiae and the tarsi palest; antennae rusty-
brown, the terminal joint red. (L. 1½ l.) Rotten leaves, &c., Coombe Wood: 3-6.

843 nigripennis Ill. K. i. 84. — Ste. M. v. 404. — Rather globose, glossy red: head dusky; elytra black, very faintly punctate; antennae, with the club fusaceous and obscurely 5-jointed; abdomen also fusaceous. (L. 1 l.) Near Darlington: 4-6.


845 atrum Ph. F. iii. 417. — Ste. M. ii. 180. — Deep glossy black; very finely punctured: head large, smooth; mouth testaceous; thorax with the lateral and hinder margins reddish and pellucid, and much dilated; scutellum large, glossy; elytra finely punctured, with a single short stria near the suture; body beneath and legs pitchy; tibiae and tarsi dull-red. (L. 1 l.) Gravel pits, Coombe Wood; Thorp Wood, Norfolk; Craigmillar and Cramond: 4-6.

846 Seminulum L. ii. 570. — Stu. D. F. ii. pl. xxvi. — Ste. M. ii. 181. — Very glossy, pitchy-black: mouth pale testaceous; head and thorax smooth, the margins of the latter pale ferruginous; scutellum large, smooth, pitchy; elytra with the tip pale rust-colour; disc obscurely punc-
tuated, with a single short stria on the suture; body pale red beneath; legs and antennae testaceous-red. (L. 1½ l.) Near London, in fungi: 4.

847 rufipes Ste. M. v. 404. — Black: head and thorax very glossy and very delicately punctured; the lateral margins of the last bright red; elytra rather coarsely punctured, with a short stria near the suture; antennae pitchy; legs bright red. (L. 1 l.) Near Edinburgh: 4-6.

848 orbiculare HERBST. iv. 91. pl. 38. f. 10. K. — Ste. M. ii. 181. — Smooth, glossy black: mouth dull-red; thorax deep notched in front, the lateral and hinder margins narrowly edged with red, and forming a semicircle; scutellum small; elytra rounded at the tip, smooth, not striated: legs pitchy; tibiae, tarsi, and antennae dull red, club rather pitchy. (L. ¾-1 l.) Near London: 4-6.

849 mandibulare Stu. D. F. ii. 58. pl. xxvii. f. C. — Ste. M. ii. 181. — Deep black, shining: thorax short, somewhat orbicular, slightly notched in front, its lateral and hinder margins reddish; elytra rather narrowed behind, impunctate, with a faint stria near the suture; legs and antennae testaceous, club dusky; mandibles pitchy, the left one large and prominent. (L. 1 l.) Near London: 4.

Pitchy-black, smooth, glossy: sides of the thorax and its hinder margin, body beneath, and the legs reddish-brown; antennae pale, the middle joints dusky; scutellum minute. (L. 1 l.) London district: 4-6.

851 affine Marsham. — Ste. M. ii. 182. — Ag. marginatum Stu. D. F. ii. pl. xxviii. f. A.? — Black, very glossy, impunctate: with the sides of the thorax and of the elytra towards the apex pale testaceous-red; antennae and legs deep testaceous-red, the thighs pitchy. (L. ¾-1 l.) Near Lon-
don: 3-6.

Black, shining; thorax impunctate, the margins concolorous; elytra convex, finely punctate, with a short stria near the suture; body beneath pitchy-black; thighs pale testaceous; tibiae and tarsi pitchy; antennæ pale red. (L. 3/4 l.) Near London: 3-6.

853 minutum Str. D. F. ii. 64. pl. xxviii. f. L. — Ste. M. ii. 183. — Obscure, very glossy black; smooth: head wide; mouth pitchy; thorax with the sides much depressed, broadly furrowous; the basal edge dull reddish; elytra ample, a little narrowed behind, black, the disc pitchy-red; legs pitchy; tarsi testaceous. (L. 3/4 l.) Near London, and in Norfolk: 3-6.


135 Clambus Fischer.

856 nigriclavis Rudd. — Ste. M. v. 404. — Gibbous, ovate; glossy pitchy-black; thorax rather paler, with the margins broadly pale; body beneath pitchy; legs and antennæ pale, club of the latter black. (L. 3/4 l.) Stockton: 3-6.

857 Armadillus De Geer, iv. 220. — Ste. M. ii. 184. pl. xv. f. 5. — Gibbous-ovate, shining black, extremely smooth; thorax with the sides rounded and pale, rather transparent; elytra impunctate, with a few scattered hairs, the tip sometimes reddish; body beneath pitchy-black; legs and antennæ pale. (L. 3/4 l.) London district: 3-5.

858 coccinelloides Kirby. — Ste. M. ii. 184. — Gibbous-ovate, shining black, smooth; thorax with the margins concolorous; elytra sparingly punctate, with a short stria near the suture towards the apex; antennæ and legs pitchy-testaceous, thighs palest. (L. 3/4 l.) Barham, Suffolk: 3-6.

859 enshamensis Westwood. — Ste. M. ii. 184. — Ovate; pubescent: testaceous-red, shining; head very broad, the lateral margins produced into a lobe, in which the eyes are placed; thorax with the sides narrowed, rather ovate, and pale; elytra convex at base; flattish towards the tip; dull reddish-testaceous, or slightly pitchy, impunctate; legs pale. (L. 3/4 l.) Ripley; Ensham, Oxon; Bottisham; Edinburgh: 3-8.


136 Corylophus Leach.

861 Cassidoides Marsh. i. 77. — Ste. M. ii. 185. — Pitchy, shining, impunctate; with the margins of the thorax pale and transparent; antennæ and legs dull red; thorax sometimes reddish, with occasionally the disc dusky; the edges of the elytra at times pale, or the elytra dark, with a reddish patch near the tip. (L. 3/4 l.) London; Darenth Wood; Spitchweek and Ashburton, Devonshire: 3-7.

137 Orthoperus Stephens.

362 Punctum Marsh. i. 80. — Ste. M. ii. 186. — Slightly convex, livid testaceous, very smooth and glabrous: head rather pitchy; eyes dusky; thorax glossy; elytra somewhat pale towards the apex; antennæ and legs
108 NECROPHAGA.


864 picatus Marsh. i. 80. — Ste. M. ii. 186. — Rather gibbous; pitchy, very smooth and shining, with the base of the antennæ and the palpi red. (L. ½ l.) Suffolk: 3-6.

865 truncatus Kirby. — Ste. M. ii. 187. — Somewhat depressed, smooth; pitchy-black: thorax glossy, with its lateral margins, the antennæ, and legs testaceous-red; elytra distinctly truncate at the tip. (L. ½ l.) Near Bristol, and in Suffolk: 3-6.

866 nigrescens Ste. M. ii. 187. — Deep pitchy-black; very smooth and glossy; the margins of the thorax concolorous; antennæ and legs pitchy-testaceous. (L. ½ l.) Under rotten wood, near London: 3-6.

867 Atomos Kirby. — Ste. M. ii. 187. — Very minute; smooth, black, shining; antennæ and legs pitchy. (L. ¼ l.) In Suffolk: ? 3-6?

138 SERICODERUS Stephens.

868 thoracicus Ste. M. ii. 188. — Sea, dubium Marsh. i. 234. — Red-brown; slightly glossy, smooth, with the thorax and tips of the elytra pale, the former with a silken pile and a dusky spot on the anterior margin; antennæ and legs pale testaceous. (L. ½ l.) Near London: 3-6.

§ 2. Stirps 2. NECROPHAGA MacLeay.

Fam. 17 SCAPHIDIDÆ. Ant. 11-jointed, more or less clavate; club 5-jointed, 8th joint, or 2d of the club, frequently small, and sometimes minute: max. palpi generally exserted: mand. mostly bidentate at the tip: head inserted up to the eyes in the thor., which is convex: legs long; tarsi 5-jointed.

Fam. 18 SILPHIDÆ. Ant. 11-jointed, clavate; club generally 4-, or 5-jointed, rarely 3-jointed: max. palpi filiform, the terminal joint rather slender and cylindric: mand. entire at the tip: head inflected, contracted into a neck behind: tho. large, shield-like: elytra simple; outer margin generally with a groove: legs shortish: tarsi 5-jointed.

Fam. 19 NITIDULIDÆ. Ant. 11-jointed, abruptly clavate; club 3-, very rarely 4-, jointed: palpi filiform, short: mand. elongate, generally notched at the tip: head inserted up to the eyes in the thor., the latter broad: body flat, wide: tarsi 5-jointed, 2d and 3d joints bifid and dilated, 4th generally minute.

Fam. 20 MYCETOPIAGIDÆ. Ant. 11-jointed, gradually thickening to the apex into a club of from 2 to 4 joints: palpi rather long: maxillæ bilobed: mand. short, bifid at the tip: labrum transverse: head moderately inserted into the thorax: body generally pilose, or pubescent, rather wide; tarsi mostly 5-, rarely 4-jointed, or heteromerous: anter. in 3 sometimes 3-jointed.

Fam. 21 ERYTROLLIDÆ. Ant. 11-jointed, terminated by a large 3-articulate club: palpi with apical joint large, of max. compressed, sublunate: mand. short, dentate at the tip: head small: body oval or hemispheric, glabrous, polished: tarsi obscurely 4-, 5-jointed, the penultimate joint very minute.

Fam. 22 ENGIDÆ. Ant. 10-, 11-jointed, short, more or less distinctly clavate, club 2-, 5-jointed: palpi rather short: maxilla mostly unilobate: mand. bifid at the tip: labrum transverse: head deeply inserted in the thorax:
body oblong, or elongate, glabrous: tarsi simple, all 4- or 5-jointed, the 4th joint in the latter commonly minute, ♂ with posterior sometimes 4-jointed.

Fam. 23 Cucujidae. Ant. 11-jointed, rather long, moniliform and slightly thickened at the tip, or distinctly clavate: palpi short, filiform: mand. large, exserted, bifid at tip: labrum rounded: head large, exserted: body oblong, flat: tarsi simple, mostly 5-jointed, basal joint minute; in some ♂’s nearly obliterated.

Fam. 24 Dermentidae. Ant. 11-jointed, short, rather abruptly clavate; club 3-, 4-jointed: palpi very short: mand. short, thick, toothed at apex: labrum also short, membranous at tip: body convex, oval, rounded at each end, clothed with scales or pile: legs slightly contractile; tarsi 5-jointed.

Fam. 17. SCAPHIDIDÆ MacLeay.

CXXIX. SCAPHIDIUM Elytra truncate: ant. slender; club 5-jointed, elongate, 2d joint larger than the 1st, terminal one rounded at the tip: palpi filiform: scutell. distinct.

CXL. SCAPHISOMA Elytra truncate: ant. pilose; club 5-jointed, 2d joint smaller than 1st: scutell. concealed by a lobe in the middle of the thorax behind: palpi filiform.

CXLI. MYILECHUS Elytra oval, obtuse: ant. short, curved; club 5-jointed, articulations transverse, 2d joint not smaller than the preceding: palpi max. with apical joint subulate; lab. with terminal joint obtuse: tho. with hinder angles acute: post. femora of ♂ with a small tooth beneath; anter. tarsi of the 3 basal joints dilated.

CXLII. PROMAPHAGUS Elytra oval, obtuse, not striated: ant. elongate; club 5-jointed, 2d joint small: palpi max. with terminal joint subulate; lab. with same joint obtuse: tho. with hinder angles acute: anter. tarsi of ♂ with 3 dilated joints; interm. mostly filiform.

CXLIII. CATOPS Elytra oval, obtuse, more or less striated: ant. short, straight; club 5-jointed, 2d joint small: palpi max. with terminal joint subulate, conic; lab. with the same joint obtuse: tho. with hinder angles acute: anter tarsi of ♂ and basal joint of interm. dilated.

CXLIV. CHOLEVA Elytra oval, striated: ant. rather long, somewhat filiform; club elongate, 5-jointed: palpi max. with the terminal joint subulate, conic; lab. with same joint obtuse: tho. with hinder angles obtuse: anter. tarsi of ♂ with the 3 basal joints dilated; interm. filiform.

139 SCAPHIDIUM of Authors.

869 4-maculatum Oliv. ii. 20. pl. 1. f. 1. — Ste. M. iii. 3. — Cur. viii. pl. 379. — Ovate, black, very glossy, glabrous: elytra with a large red spot towards the shoulder, and a second round one near the apex; and with a single sutural stria; base of antennæ pitchy. (L. 2-2½ l.) Old stumps, &c., Coombe Wood; Bristol; Clengre, Gloucester; Swansea; Herefordshire; Lyndhurst; Yorkshire, &c.: 12-1 & 5-6.

140 SCAPHISOMA Leach.

870 Agaricinum L. ii. 570. — Pz. F. ii. f. 2. — Ste. M. iii. 3. — Black; shining, very small: tips of the elytra and the legs pale brown, or reddish; elytra with a single short sutural stria; tip of the abdomen pitchy-red. (L. 2-2½ l.) Boleti, Battersea fields; Wandsworth; Netley, &c.: 10-6.

871 Boleti Pz. F. xii. f. 16. — Ste. M. iii. 4. — Head, thorax, and elytra pitchy, minutely punctured: the latter paler at the apex, with a single
sutural stria; body beneath pitchy; legs red; antennae pale. (L. $\frac{3}{4}$-1 l.)

**Boleti, near London; Netley, &c.: 3-6.**

### 141 Mylabius Latreille.

872 brunneus *Latr. G.* ii. 30. pl. 8. f. 11. — *Ste. M.* iii. 4. — Oblong-ovate; chestnut-brown, with a griseous pile; finely but very irregularly punctured: head black; thorax widest behind; elytra gradually narrowed from the base to the tip, which is rounded, with a single sutural stria; legs pitchy-brown. (L. 1 l.) Hull; N. of England, &c.: 4-5.

### 142 Promaphagus Illiger.

873 truncatus *Ill. K.* i. 42. — *Ste. M.* iii. 5. — He. dermestoides *Pz.* F. lvii. f. 2.? — Somewhat quadrate-oblong, rather widest in front, black, and clothed with a dense griseaceous down; beneath which the surface is transversely but delicately acuculated: elytra with the apex somewhat truncate, with a sutural stria; base of antennae dull red, 8th joint 3 times shorter and more slender than the adjoining ones. (L. $\frac{3}{4}$-$\frac{1}{2}$ l.) Fungi, carcases, dry bones, &c., London district; Norwich; Bottisham; Dorsetshire; Notts; Carlisle; Swansea.

874 velox *Lin. Tr. (Spence)* xi. 154. — *Ste. M.* iii. 6. — Ca. agilis *Pz.* F. xcv. f. 10.? — Oval, rusty-brown, darkest beneath, with a yellowish pile; head black; antennae slightly elavate, the 8th joint equal to the adjoining; elytra rounded at the tip; legs, antennae, and palpi dull red; centre of thorax sometimes with a dusky, or black, cloud. (L. $\frac{1}{4}$) Fungi, &c., Kensington Gardens; Norfolk; Yorkshire; Devon: 3-6.

875 fumatus *Lin. Tr. (Spence)* xi. 155. — *Ste. M.* iii. 6. — Ci. fusa *Oliv.* iii. pl. 1. f. 14. a.? — Oblong-oval, black; with a dense griseous pile: antennae fuscous, the 2 or 3 basal joints dull red, the 8th shorter than the adjoining; elytra dull rusty-brown, rounded at the tip; legs and palpi dull rusty-red. (L. 1$\frac{1}{2}$ l.) Carcases, &c., London district; Norfolk; Suffolk; Yorkshire; Humby, Lincolnshire; Poullargare: 3-6.

876 Watsoni *Lin. Tr. (Spence)* xi. 156. — *Ste. M.* iii. 6. — Oblong-oval, black; with a slight tawny pile: antennae short, robust, the 3 basal joints reddish-brown, the terminal one pale; hinder angles of thorax reddish; elytra red-brown, acute at the apex; legs red-brown. (L. 1$\frac{1}{2}$ l.) Fungi, &c., London district; Hull; Bottisham; Nottingham: 3-6.

877 anisotomoides *Lin. Tr. (Spence)* xi. 157. — *Ste. M.* iii. 7. — Oval, convex; shining, pitchy-black, with a slight griseaceous pile: antennae pale yellowish, the 8th joint small, the apical one large, subglobose; thorax with the hinder margin palest and straight; elytra ovate, convex; legs pale dull-red. (L. $\frac{3}{4}$-$\frac{3}{4}$ l.) Fungi, &c., London district; Hull; Bottisham; Humby; Salop; &c.: 3-6.

878 Wilkimi *Lin. Tr. (Spence)* xi. 158. — *Ste. M.* iii. 7. — Oblong; pitchy-brown, with a short griseaceous pile: antennae, legs, and palpi pale rusty-yellow; thorax with its hinder margin straight; elytra oblong, the sides nearly straight, the tip rounded. (L. 1$\frac{1}{4}$ l.) Fungi, &c., London district; Norfolk; Salop: 3-6.

879 Davisi *Ste. M.* iii. 7. — Oblong-oval, rather narrowed behind; fusceous-brown, slightly pubescent: thorax very large, convex, the hinder margin straight; elytra more pubescent, the apex somewhat acute, and paler than the base; legs pitchy-brown; antennae testaceous-red, the basal joint of the latter large, and the club broad and distinct, obtuse. (L. $\frac{3}{4}$-1 l.) Moss; Humby, Lincolnshire: 12; near London and in Scotland: 4.
143 *Catops Paykull.*

880 fornicatus *De Geer*, iv. 216. pl. viii. f. 15. ? — *Ste. M. iii. 8. — Oblong; black, with a tawny pile; antennae rather longer than the thorax, dull-red, the apex dusky, subelavate, the 8th joint short and slender; thorax transversely 4-drate, hinder margin dilated in the middle, and cut out near the angles; elytra obsoletely striated to the apex; legs rusty-piceous. (L. 2 1/2 l.) Careases, &c., London district; Bottisham; Carlisle; Carfin, Scotland: 3-6.

881 Frater *Ent. M. (Newm.)* i. 507. — *Ste. M. v. 405. — Oblong-ovate: head black; antennae with the 2 basal joints dull-red, then fuscescent, with the apical joint pale; thorax black, with a brown pile; elytra black, slightly tomentose and rugose, with a single sutural stria; legs rusty-brown. (L. 1 1/4 l.) Careases, &c., Halifax, and N. of England: 5-6.

882 Soror *Ent. M. (Newm.)* i. 508. — *Ste. M. v. 405. — Oblong: head and thorax black, the latter with a brown pile; antennae with the 4 basal joints and half of the 5th dull-red; elytra and legs pitchy-black, the former rugose, faintly striated. (L. 1 1/4 l.) Careases, &c., Halifax, and N. of England. 5-6.

883 fuscus *Natur. F. (Fröhlich.)* xxviii. pl. 1. f. 16.? — *Ca. sericeus Ste. M. iii. 9. — Short, ovate, gibbous-convex, pitchy-brown, with a changeable glabrous pile: antennae short, rather slender, rusty, the base and apex palest; thorax widest behind, faintly excised at the hinder angles; elytra wide, obsoletely striated; legs rusty-piceous. (L. 2 1/4 l.) Careases, &c., London; Southend; Swansea; Devonshire; Coombe and Salop, &c.: 3-6.

884 clavicornis *Forst. C. i. 166. — Ste. M. iii. 9. — He. tristis *Pz. F. viii. f. 1. — Oblong-ovate; pitchy-black, with a tawny pile: head short; thorax somewhat 4-drate; elytra very obsoletely striated; obtusely rounded at the tip; legs rusty-red, or pitchy-black, with the tibiae and tarsi reddish-dish; antennae abruptly elavate, 8th joint minute, dark-red at the base, dusky at the tip. (L. 1 1/2-2 l.) Careases, &c., London; Bristol; near Dorset; Devon; Bottisham; Carlfin: 3-6.

885 festinans *Lin. Tr. (Spence) xi. 145. — Ste. M. iii. 9. — Oblong-ovate; black, with a rather dense pile; thorax short, the hinder margin with very obsolete excisions at the angles; elytra reddish, very faintly striated; legs, palpi, and labrum testaceous-red; antennae with the 6 basal joints rusty, the rest fuscescent. (L. 2 l.) Careases, &c., London; Hull; Netley: 3-6.

886 affinis *Ste. M. iii. 10. — Elongate-ovate; fuscescent, with a yellowish-brown pile: head dusky; thorax narrow, with the lateral margins somewhat testaceous, the hinder angles distinctly excised; elytra reddish-brown, very faintly striated at the apex rounded; legs rusty-brown; antennae elavate, dusky, the base and palpi dull-red. (L. 1 1/4 l.) Careases, &c., London; Bristol: 3-6.

887 elongatus *Ste. M. iii. 10. — Elongate-ovate, flattish; pitchy-black, with a fine glabrous pile: thorax small, excised at the base near the hinder angles; elytra narrow, obsoletely striated, the tip rounded; legs rusty-red; labrum and palpi black; antennae dull-red, club slender, dusky, 8th joint small, terminal one short, acute. (L. 2 1/2 l.) Careases, &c.; London; Bristol: 3-6.

888 chrysoelmoides *Pz. F. lvii. f. 1. — Ste. M. iii. 10. — Oblong-oval; black, with a dense tawny velvety pile: thorax with the sides straight near the hinder angles, the base waved, but straight at the angle; elytra dilated in the middle, scarcely striated; tip of the anter. thighs, the tibiae, and tarsi reddish; antennae reddish-brown at the base, of the ♀ fusi-form-elavate, thick, terminal joint ovate, longer than the preceding. (L. L 2
2½ l.) Carcases, &c., London; Norfolk; Suffolk; Yorkshire; Devon; Bottisham; Netley; Swansea; 3-6.

889 Leachii Lin. Tr. (Spence) xi. 148. — Ste. M. iii. 11. — Ovate; black, with a tawny pile: thorax as in the preceding; head short; elytra ovate; tibiae, tarsi, and antennae at the base, red-brown; the latter slender, distinctly clavate, the terminal joint short, mucronate, club fuscoscent. (L. 2½ l.) Carcases, &c., Bristol; Carlisle: 6-8.

890 Kirbii Lin. Tr. (Spence) xi. 148. — Ste. M. iii. 11. — Ovate; fuscous, with a griseosecent pile: thorax nearly as in the 2 preceding, but obliquely sinuated at the base; elytra obsoletely striated, the tip somewhat acute; legs pale fuscous; labrum and palpi reddish; antennae with the 5 basal joints dull red, the rest fuscous, the terminal ones tranverse. (L. 1½ l.) Chalk-pit at Little Blakenham, Suffolk 9; Netley: 7.

891 Spencei Ste. M. iii. 11. — Ovobile, slightly acuminate behind; brown-black, elytra paler, with a hoary-brownish pile; disc striated; legs, palpi, and antennae red-brown, the terminal joint of the latter conic, club rather slender. (L. 1½ l.) Fungi, &c., near London: 6.

892 nubifer Ent. Tr. (Newm.) i. 50. — Ste. M. v. 403. — Oblong-ovate; fuscous, with a tawny pile: head black; thorax dull red, with a large central fuscous cloud extending to the margins; often fuscous, more or less rusty at the shoulders, or entirely of that colour; legs rusty-brown; antennae with the 3 basal joints pale rusty, the rest fuscous, the terminal one paler. (L. 1¼-1½ l.) Fungi, &c., Halifax and Scotland: 4-6.

893 caliginosus Ste. M. iii. 12. — Oblong-ovate, deep black, with a fulvous pile: elytra faintly striated, the apex rounded; base of antennae and terminal joint, labrum, palpi, anter. thighs, tibiae, and tarsi testaceous-red; antennae slender, 8th joint moderate. (L. 2 l.) Carcases, &c., London: 4.

894 Marshamii Lin. Tr. (Spence) xi. 149. — Ste. M. iii. 12. — Oblong-ovate; fuscous, with a griseosecent pile: thorax with the sides rounded from base to apex; elytra faintly striated towards the tip, which is obtuse; antennae as long as the thorax, rusty-yellow, the 8th joint very small; labrum, palpi, and legs rusty-yellow. (L. 2½ l.) Carcases, &c., near London: 5.

895 dissimulator Lin. Tr. (Spence) xi. 150. — Ste. M. iii. 13. — Oval; black, with a dense tawny pile; antennae fuscous, the 2 basal and the apical joints rusty; thorax with the sides rounded from base to apex; elytra with a single sutural stria; palpi and legs rusty-red; hinder femora black. (L. 2½ l.) Carcases, &c., near London and Bristol: 3-7.

144 Choleva Latreille.

896 angustata Fab. E. ii. 20. — Ste. M. iii. 13. — Ch. oblonga Samo. pl. 4. f. 9. — Narrow, oblong; pitchy-black, with a fulvouscent pile: thorax wide before the middle, narrowed behind; sides and hinder angles sometimes pale; elytra faintly striated; antennae and legs dull-red. (L. 2½ l.) Carcases, &c., common every where: *, ♦.

897 agilis Ill. K. i. 88. — Ste. M. iii. 14. — Oblong-ovate; black, with a dense tawny pile; the upper surface pitchy-brown: thorax transverse, widest behind; elytra slightly striated; antennae and legs dull-red. (L. 2½ l.) Carcases, &c., London; Netley; N. Wales: 3-6; Humby: 12.

898 gausapata Spence? — Ste. M. iii. 14. — Oblong-ovale; deep pitchy-black, with a dense changeable tawny pile; thorax convex, edged with testaceous, the hinder margin rather broader than the apex, the sides gradually rounded; elytra obscurely striated: legs and antennae dull-red. (L. 2½ l.) Carcases, &c., near London; in Devon; Norfolk; and Yorkshire: 3-6.
Fam. 18. SILPHIDÆ Leach.

exlv. SPHÆRITES Body ovate: elytra wide, obliquely truncate at the tip: abdomen with apex exposed: head angulated, deeply inserted in tho., which is transverse, deeply notched in front, and waved behind: ant. short, basal joint large; club solid, 4-jointed, ovate, obtuse: mand. deflexed, tip sharply 2-dentate: labrum rounded: maxillæ with an inner horn tooth.

exlv. NECROPHORUS Body elongate: elytra abruptly truncate, with a deep marginal groove: abdomen with the apex exposed: head with a distinct neck: tho. rather orbicular, rounded behind: ant. short, slender at the base, terminated by an abrupt, ovate, 4-jointed perforate club: maxillæ unarmed: palpı with anter. tarsi dilated.

exlvii. NECROPHORUS Body elongate-oval: elytra obliquely truncate at tip, with 3 dorsal ridges: abdomen with tip slightly exposed: head with a distinct neck: tho. orbicular: ant. rather long, gradually terminating in an elongate 3-jointed club: maxillæ with a claw: palpı with poster. thighs thick and sometimes toothed; anter. and intern. tarsi dilated.

exlviii. OICEOPTOMA Body oval, flattish: elytra not truncate at the apex, ridged, of palpı sometimes with a notch at the tip: palpı with apical joint slender: tho. nearly semicircular: head small: ant. slender at the base, terminated by an abrupt 4-jointed club: palpı with anter. tarsi dilated.

exlix. SILPHA Body oval, slightly convex: elytra entire, ridged: tho. semicircular, mostly truncate at head: palpı with apical joint slender: ant. gradually increasing from base to apex, the 4 terminal joints forming an obtuse club: palpı with anter. tarsi dilated.

c.l. PHOSPHUGA Body oval or somewhat orbicular: elytra entire, ridged: tho. semicircular, abruptly truncate behind: head narrow: palpı with apical joint rather slender: ant. slender, gradually increasing to the apex, the 3 terminal joints forming an obtuse club: palpı with anter. tarsi dilated.

(c.l. AGYRTES Body ovate, convex: elytra entire: tho. narrowed in front: max. palpı with apical joint robust: ant. short, 4 terminal joints forming a slight club: thighs compressed; tibie spinose and ciliated.)

(c.l. PELTIS Body ovate: elytra entire, flat, ridged: max. palpı somewhat elevated: ant. as long as the thorax, basal joint dilated; 3 terminal joints large, perfoliated, remote.)

145 SPHÆRITES Duftschmid.


146 NECROPHORUS Fabricius.

900 germanicus L. ii. 569. — Cur. ii. pl. 71. — Ste. M. iii. 16. — Black; forehead with a 3-angular tawny-yellow spot; outer margin of the elytra broadly rusty-red; club of the antennæ deep black. (L. 13-16½ l.) Carcases, Moushold Heath, Norwich; banks of Thames above Windsor; Lord Abington's woods, near Oxford: 3-6.

901 HUMATOR Olie. ii. 8. pl. 1. f. 2. — Ste. M. iii. 17. — Black, the outer margin of the elytra concolorous, or slightly fuscous; club of antennæ orange. Elytra when not quite mature with a reddish spot towards the apex, forming the Ne. bimaclatus Ent. Tr. (Har.) i. pl. 2. fig. sup. (L. 8-14 l.) Common, everywhere, in carcases, fungi, &c.: 3-7.

902 SEPTULATOR Gyll. iv. 308. — Ste. M. iii. 17. pl. xvi. f. 1. — Black: thorax considerably dilated in front, the margin densely clothed with a bright golden-
yellow down: club of the antennae and 2 bands across the elytra (the 2d mostly interrupted) orange; hinder tibiae straight. (L. 7-11 l.) Carcases, Battersea fields; Hampstead Heath; Ealing: Swansea; Dawlish; Nottingham; 3-8.

903 interruptus Ste. M. iii. 18. pl. xvi. f. 2. Ne. fossor. Erieh. K. i. 224. — Black; thorax glabrous: club of the antennae and 2 bands across the elytra (neatly interrupted at the suture) orange; the terminal segments of the abdomen ciliated with glabrous; hinder tibiae straight. (L. 6-9½ l.) Carcases, London district; Norfolk; Cambridge; New Forest; Nottingham; Phillack, Cornwall: 3-7.

904 vestigator Ill. Mag. (Hershel) vi. 24. — Ste. M. iii. 18. — Ne. Vespillo Pz. F. ii. f. 2. — Black; thorax glabrous: club of the antennae and 2 bands across the elytra (the anterior one generally widest) orange; abdomen somewhat glabrous at the tip, ciliated with black, the extreme apex with glabrous; hinder tibiae straight. (L. 7-12 l.) Carcases, &c., generally distributed: 3-7 *. 

905 obturator Erieh K. i. 225. — Black; thorax glabrous; narrowed towards the base; club of the antennae and 2 bands across the elytra (frequently interrupted) tawny-red; abdomen nearly glabrous, the tip with a black pubescence; posterior tibiae straight. (L. 7-9½ l.) Carcases, Hertford: 5-6.

906 Mortuorum Fab. E. i. 335. — Don. xv. pl. 537. f. 2. — Ste. M. iii. 19. — Black; with the club of the antennae the same: elytra with a broad crenulated orange band across the base, and a crescent-shaped or rounded spot of the same colour within the apex; hinder tibiae straight. (L. 5-9 l.) Carcases, London district; Swansea; Carlisle; Monk’s Wood, Herts; Buckley Vale, Devon; Mansfield, &c.; Leith, Scotland: 3-7.

907 Vespillo L. ii. 569.—Don. i. pl. 23. ? — Ste. M. ii. 20.—Black; thorax clothed in front with a dense yellow down: club of the antennae and 2 bands across the elytra yellow-orange; hinder tibiae curved; posterior trochanters with an acute spine. (L. 6-12 l.) Carcases, generally distributed; rather scarce near Edinburgh: 3-7. *

147 NECRODES Wilkin.

908 littoralis L. ii. 570. — Pz. F. xi. f. 15 ♀. — Ste. M. iii. 21. — Cur. viii. pl. 334. ♂ — Oblong, depressed, black: elytra with 3 smooth elevated lines, and a shorter one at the base, with a transverse tubercle near the apex; 3 or 4 terminal joints of antennae testaceous. (L. 6-12½ l.) Carcases, banks of Thames; Bottisham; Netley; Swansea; Sidmouth; Carlisle; Parley Heath; Loch Lomond; Newhaven, &c.: 4-7.

148 OICOPTOMA Leach.

909 thoracica L. ii. 571.—Don. ii. pl. 63. f. 1. — Ste. M. iii. 22. — Black, with a silken gloss: thorax red, with a light tawny pile: elytra satiny, with 3 slightly flexuous elevated lines. (L. 6½-7½ l.) Carcases, London district; Bottisham; Oxford; Enborne; Bristol; Netley; Scotland, &c.: 3-6.

(910) marginalis Fab. E. i. 338. — Ste. M. iii. 22. note. — Black; head rough; thorax with the margins round and pale; elytra fuscous, with 3 elevated lines. (L. 7 l.) Not truly indigenous; a native of N. America.)

911 rugosa L. ii. 571. — Pz. F. lx. f. 17. — Ste. M. iii. 22. — Black, pubescent: thorax tuberculated; interstices clothed with an ashy pile; elytra with 3 elevated lines, the interstices transversely rugged; tip of the abdomen reddish. (L. 3½-5 l.) Carcases, &c., generally distributed: 3-7. *
§ 2. Elytra of $\varphi$ noted at the tip: — Thanatophilus Leach.

912 sinuata Fab. E. i. 341. — Don. xv. pl. 519. — Ste. M. iii. 23. — Black; obscure: head and thorax pubescent; the latter with slight tubercles, and the hinder angles rather rounded; elytra glabrous, with 3 raised lines, the interstices smooth, the apex somewhat truncate in the $\varphi$; deeply notched, and with an elongate sutural lobe in the $\varphi$. (L. 4-5 l.) Carcases; also generally distributed; less common than the last: 3-7.*

913 dispar Herbst. v. 204. pl. 52. f. 1. — Ste. M. iii. 24. — Blackish, or fuscous: head and thorax darkly pubescent; the latter slightly tuberculated; elytra with 3 raised lines, the interstices somewhat pilose; the apex obtusely truncate in the $\varphi$, slightly notched in the $\varphi$. (L. 4-5 l.) Carcases, near Norwich; Caernarvon: 3-8.

149 Silpha of Authors.

914 4-punctata L. ii. 571. — Sarno. pl. 2. f. 7. — Ste. M. iii. 24. — Black, glabrous: thorax notched in front, with its margins pale testaceous; elytra testaceous, with an ovate shining black spot near the base, and a circular one near the apex; the disc with 3 slightly raised lines. (L. 6-7 l.) On oaks, Coombe Wood; Kensington Gardens; Bagley Wood; Epping; Enborne; near Carlisle; Scotland, rare: 6-7.

915 obscura L. ii. 572. — Don. ii. pl. 63. f. 4. — Ste. M. iii. 25. — Black, obscure; thorax truncate in front, closely and finely punctured; elytra sparingly, but deeply, punctured, with 3 obscure, slightly raised, abbreviated lines, the central one longest. (L. 6-8 l.) Carcases, London district; Cambridge; Southend; Aldboro'; Parley; Swansea; Edinburgh; &c.: 3-7.

916 tristis Ill. K. i. 366. — Ste. M. iii. 25. — Black, slightly shining: thorax truncate in front, and rather sparingly punctured; elytra with deepish and numerous punctures, with 3 raised glossy lines, extending nearly to the apex, where they are slightly flexuous. (L. 5½-8 l.) Carcases, W. of England; Wales; Parley; Wilts; Carlisle; Edinburgh: 3-7.

917 † Griesbachiana Ste. M. iii. 26. — Si. carinata Ill. K. i. 365.? Black, slightly glossy; punctured; slightly emarginate in front; elytra coarsely punctured, and with 3 raised glossy lines, the intermediate longest, reaching to the apex and curved inwardly. (L. 8 l.) Carcases, Winchester: 6.

918 nigrita Creutz. E. V. i. 116. pl. 2. f. 20. — Ste. M. iii. 26. — Black, slightly shining: thorax truncate in front, very finely punctate; elytra slightly convex, with 3 obscure short raised lines, the interstices irregularly punctate and roughish: — in immature specimens the elytra are pitchy or obscure dull red. (L. 6-6½ l.) Carcases, N. of England; Notts; Longmont, Salop; Scotland; Kensington Gardens: 3-7.

919 reticulata Fab. E. i. 341. — Ste. M. iii. 26. — Si. rugosa Pz. F. v. f. 9. — Black, opaque; thorax truncate and slightly rounded in front, punctured; elytra punctate, with 3 raised lines, the 2 interior rather obsolete and irregular, the outer shortened behind, interstices irregularly wrinkled transversely. (L. 5½-6½ l.) Carcases, London district; Norfolk; Hants; Salop; Swansea: 3-6.

920 opaca L. ii. 571. — Ste. M. iii. 27. — Si. tomentosa Herbst. v. pl. 51. f. 16. — Rather flat; brown-black, tomentose; punctate: thorax truncate in front; elytra with 3 raised lines, the middle one longest; tip of abdomen dull-red. (L. 4½-5½ l.) Carcases, Coombe Wood; Aldboro'; Swansea; near Edinburgh: 3-6.

921 levigata Fab. E. i. 340. — Oliv. E. ii. pl. 1. f. 1. — Ste. M. iii. 27. — Convex, black, rather shining, thickly punctured: thorax round and somewhat circular in front, a little rounded behind; elytra obtusely
rounded at the tip, the disc without raised lines. (L. 5-6½ l.) Carcases; generally distributed, in the south: 3-7. *.

150 Phosphuga Leach.
922 atrata L. ii. 571. — Herbst. v. pl. 51. f. 13. — f. 14. var., f. 15. var. — Ste. M. iii. 28. — Ovate, glossy black; thickly punctate, especially on the sides of the thorax and on the elytra, the latter with 3 raised lines, the inner (or sutural) one longest: — sometimes the sides of the thorax and the elytra are pale-testaceeous; or the entire surface is of that colour. (L. 4½-6½ l.) Carcases; abundant every where: (♀, ♂).
923 subrotundata Leach, Z. M. iii. 75. — Ste. M. iii. 29. — Somewhat rounded-ovate, glossy black, deeply punctured: thorax unequal; elytra broad, coarsely rugose punctate, with 3 raised lines, the middle one longest: — sometimes the sides of the thorax and the elytra are chestnut-brown, or the upper surface wholly of that colour. (L. 5½-7 l.) Carcases, S. of Ireland, and near Dublin; Penllergare: 12-7.

151 Agyrtes Fröhlich.

(924† castaneus Naturf. (Fröh.) xxviii. 19. pl. 1. f. 11. — Ste. M. iii. 29. note. — Oblong; pitchy-black, glabrous: mouth, antennae, legs, and elytra chestnut, the latter punctate striate. (L. 2½ l.) Improperly stated to be indigenous.)

152 Peltis Kugellan.

(925† ferruginea L. ii. 572. — Pz. F. lxxv. f. 17. — Ste. M. iii. 29. note. — Short; rusty-brown, glabrous; punctured: elytra with 6 raised lines, 3 of which are punctulate, the interstices with a double row of punctures. (L. 5 l.) Said (but improperly) to inhabit England.)

Fam. 19. NITIDULIDÆ MacLeay.

civ. Nitzidula Elytra entire, or slightly truncate: tho. margined, with the sides expanded and flat: body rather depressed, and longish: ant. with 3d joint longer than 4th: palpi filiform: tibiae compressed; tarsi with the 4th joint bilobed.
civ. Strongylius Elytra entire: tho. with the sides not depressed: body oval, rather convex: ant. with 3d joint much longer than 4th, apical one mamillated: palpi filiform, terminal joint very long: tarsi with 3 basal joints dilated.
cv. Canpta Elytra entire: tho. with the sides not depressed: body somewhat hemispherical, not margined, tomentose: ant. with 3d joint not longer than 4th; club large: tibiae dilated.
cvii. Meligethes Elytra entire: tho. with the sides not depressed: body somewhat 4-drate, usually of metallic hue: ant. with 3d joint as long as 4th, and 5th inserted: tibiae sometimes spinulose.
cviii. Phaia Elytra somewhat truncate, not ribbed: tho. convex: body flatish: ant. short, club longish, 4-jointed, serrate, 6th and 7th joints with an external process: tibiae compressed, spinulose.
(clix. Carpophilus Elytra truncate, shortened, scarcely covering more than half the abdomen; not ribbed: body oblong, ovate, rather flat: ant. short; 3d joint short; club ovate, coarctate: tibiae dilated, spinulose exteriorly and at the apex.)
IX. Anisocerus Elytra truncate, not ribbed: body ovate, somewhat depressed: ant. long, with 2 basal joints (especially in ♂) very large, flattened, 2d 3-angular, ovlong in ♂, ovate in ♀: scutellum small: tibiae compressed, spinulose.

X. Cateretes Elytra truncate, not ribbed: body ovate, slightly convex: ant. rather long, 2 basal joints large, of nearly equal size; 2d somewhat cylindric; club slender, longish, obconic, compressed: scutellum large: tibiae spinulose.

XII. Micropeplus Elytra truncate, longitudinally ribbed, scarcely covering above half the abdomen: body broad, oblong, acute at tip, flat: ant. with the club solid: tarso 4-jointed.

153 Thymalus Latreille.

926 limbatus Fab. E. i. 334. — Cur. i. pl. 39. — Ste. M. iii. 31. — Brassy-brown; pubescent; punctured: eyes black; margins of the elytra dull red, disc irregularly punctate-striate; legs and antennae dull-red. (L. 2½-3 l.) Under bark, New Forest; Westerham; Leeds; Danygraig, &c. S. Wales: 5-6.

154 Niditula of Authors.

927 marginata Fab. E. i. 348. — Ste. M. iii. 32. — Ni. biloba Pz. F. xxxv. f. 10. — Ovate, dull red, finely punctured: thorax with the disc very convex; elytra with the lateral edges margined, the disc with 4 grooves, and 2 small spots at the base and a larger common one in the middle, bright rust-colour. (L. 2-2½ l.) Under bark of birch, Coombe and Birch Woods; Bristol; Netley, &c.: 5-6.

928 punctatissima Illiger. — Pz. F. xxv. f. 7. — Ste. M. iii. 32. — Ovate, slightly convex; dull ferruginous, very thickly punctured: eyes black; thorax with the disc unequal, foveolated and variegated with black; elytra also varied with irregular, more or less united, black marks, and a short round pale band behind. (L. 3-4 l.) Coombe and Darent Woods: 5-6; Netley; Newcastle, &c. (Under bark of oak): 5-6.

929 grisca L. ii. 574. — Lin. Tr. (Curtis) ii. pl. 5. f. 6-11. — Ste. M. iii. 33. — Oblong-ovate, flattish; rusty-griseous; punctured: eyes black; thorax unequal, foveolated, and varied with black; elytra also varied with black, and with some interrupted black lines, the disc with some obscure ridges; legs pale ferruginous. (L. 1½-3 l.) Under bark of oak, willow, &c., widely distributed: 5-6.

930 depressa L. ii. 573. — Ste. M. iii. 33. — Ni. varia Oliv. ii. pl. 2. f. 10. — Ovate, flat; rusty-brown, punctured: thorax with the disc slightly foveolated, the sides dilated, and with a dusky cloud; elytra wide, margined, and with obscure black streaks, and a curved paler mark behind: legs and antennae rusty-pitchy; club of the latter dusky. (L. 1½-2 l.) Under bark, old bones, fungi, &c., common: 3-7. *.

931 Colon L. ii. 573. — Ste. M. iii. 34. — Cur. xv. pl. 675. — Ovate, flat; pitchy-black; punctured: thorax deeply notched in front, the disc with 2 foveolae, the sides dull red; elytra with several minute spots at the base, a large double patch on the disc, and the tip pale rusty-testaceous; legs dull red. (L. 1-1½ l.) With the last: 3-6. *. !

932 discoidea Fab. E. i. 352. — Samo. pl. 2. f. 5. — Ste. M. iii. 34. — Ovate, flat; black, thickly punctured: thorax with 2 foveolae and a narrow rusty margin; elytra with the outer margin and a large patch on the disc pale-testaceous; legs dull red. (L. 1½-2 l.) Dry bones, &c., generally distributed: 3-9.

933 bipustulata L. ii. 570. — Pz. F. iii. f. 10. — Ste. M. iii. 35. — Ovate,
NECROPHAGA. — NITIDULIDÆ.

flattish; dull black: elytra with a small, ovate, red spot near the apex; legs and antennae rusty-red; club of the latter black. (L. 1 ½-2 ¼ l.)

Carcases, &c., London district; Netley; Swansea; Bottisham; Notts; Carlisle; Edinburgh: 4-6.

934 ruhipes L. ii. 573. — Ste. M. iii. 35. — Ni. obscura Oliv. ii. pl. 1. f. 3. — Elongate-ovate, flattish; dull obscure black, faintly punctured: elytra slightly pubescent; legs and base of antennae rusty-red; mouth, and sometimes the sides of the thorax, reddish. (L. 1-2 l.) Carcases, &c., generally distributed in the South: 5-6.

935 4-pustulata Fab. i. 348. ? — Ste. M. iii. 35. pl. xvi. f. 4. — Oblong-ovate; dull fuscous-black; thorax with the marginius obscurely reddish; elytra with a testaceous-yellow spot near the shoulder, and a 2d on the disc behind the middle; legs and antennae dull-red, club of the latter obscure. (L. 1 ½ l.) Chelsea (old bones): 5-6.

Var. ? Ni. variata Ste. M. iii. 36. — Oblong-ovate, flattish; dull-black: elytra testaceous, with a somewhat 3-angular common black spot at the base, and 2 or 3 yellowish ones on the disc; legs and antennae dull-red; club of the latter dusky. (L. 1 ½-1 ¾ l.) In a dead snake at Hertford: 9; Suffolk: 5-6.

936 oblonga Herbst. v. 245. pl. 54. f. 4. — Ste. M. iii. 36. — Oblong-ovate, flat; testaceous-brown, thickly punctured; head dusky; eyes black; thorax deeply notched in front, sides pale; scutellum fuscous; elytra slightly pubescent, margin palest, apex truncate; legs and antennae dull-red, club of the latter black. (L. 1 ½ l.) Under bark, and on flowers, London district; Netley; Edinburgh, &c.: 5-6.

937 pallescens Ste. M. v. 406. — Oblong-ovate, rather convex; pale testaceous-yellow, with a fine silken pubescence; eyes black; thorax not emarginate in front; elytra rounded at the apex; legs and antennae pale testaceous-yellow. (L. 1 ½ l.) Under bark, &c., near London: 5.

938 Silaceæ Herbst. v. 232. pl. 53. f. 3. — Ste. M. iii. 36. — Oblong-ovate, flattish; deep rusty-red, much punctured: thorax deeply notched in front, the sides expanded; elytra slightly punctured; legs pale red; antenna dark rust-colour, the latter with the club acuminated. (L. 1 ½ l.) Under bark of trees and in flowers, near London; Netley: 5-6.

939 aestiva L. ii. 574. — Oliv. ii. pl. 3. f. 23. — Ste. M. iii. 37. — Oblong-ovate, flat; testaceous-yellow, finely punctulated: eyes black; thorax narrowed in front, anterior margin obscurely notched, the angles nearly straight; elytra with the apex truncate, the outer angle rounded; legs pale. (L. 1 ½ l.) On flowers, &c., London district; Netley: 5-6.

940 villosa Thun. I. S. v. 70. — Ste. M. iii. 37. — Ni. aestiva Pz. F. lxxxiv. f. 7. — Ovate, convex: slightly pubescent; pale-testaceous, thickly punctured: eyes black; thorax narrowed in front, the anterior margin broadly and deeply notched; scutellum punctate; elytra wide, the apex somewhat truncate, with the outer angle rounded. (L. 1 ½-1 ¾ l.) Under bark, &c., London district; Norfolk; Suffolk; Swansea; Notts: 5-6.

941 obsoleta Ill. K. i. 384. — Ste. M. iii. 38. — Ovate, flat, obtuse, slightly pubescent; rusty-testaceous: eyes black; thorax deeply and broadly notched in front, the sides rounded to the hinder angle, and a little flattened; elytra impressed towards the middle, the apex truncate, with rounded angles; legs short, stout, pale-testaceous. (L. 1 ½-1 ¾ l.) Under bark, &c., London district; Bottisham; Norfolk; Dorsetshire; N. Wales; Carfin, &c., in Scotland: 5-6.

942 variegata Herbst. v. 245. pl. 54. f. 3.? — Ste. M. iii. 38. — Ovate, rather convex; rusty-red, somewhat deeply punctured: eyes black; thorax as in No. 944., with the sides palest, the disc darker: elytra ovate, slightly
pilose, the disc with a round blackish spot in the middle, and sometimes a dusky mark within the apex; legs reddish. (L. 1½ l.) Under bark, &c., London district; Swansea, &c.: 5-6.

943 fusicollis Waterhouse. — Ste. M. v. 406. — Oblong-ovate, slightly depressed; pale testaceous; thorax fuscous, with its anterior margin entire; elytra with the apex rounded. (L. 1½ l.) Under bark, &c., near London: 5.

944 impressa Kirby. ? — Ste. M. iii. 39. — Ovate, slightly convex, testaceous-yellow, finely punctured: head with a deep frontal impression; eyes black; thorax with the anterior margin broadly, but slightly notched; the sides rounded; elytra wide, the suture fuscous, the apex slightly truncate, with the angles rounded. (L. 1½ l.) Under bark, &c., near London; Edinburgh; and in Suffolk: 5-6.

945 pusilla Ill. K. i. 386. ? — Ste. M. iii. 39. — Oblong-ovate, flat, slightly pubescent; ferruginous; thickly punctured: eyes black; thorax somewhat 4-drate, with the sides nearly straight, the anterior margin broadly notched; elytra oblong-ovate, with the apex rounded, and slightly gaping towards the suture. (L. 1½ l.) Under bark, &c., London district; Netley: 5-6.

946 pygmaea Gyll. i. 226. — Ste. M. iii. 39. — Ovate, flattish; red-brown, thickly and deeply punctured: eyes black; thorax deeply notched in front, the sides broadly flattened and nearly straight; elytra slightly pubescent; margin pale, apex obtuse, rounded; legs pale testaceous. (L. 1½ l.) Under bark, &c., near London: 5-6.

947 truncata Kirby. ? — Ste. M. iii. 39. — Ovate, rather convex, very much punctured; testaceous; with the head and thorax rather obscure dusky; eyes black; thorax with a narrow notch in front, the sides rounded, pale; elytra ovate, the apex slightly truncate, with the angles rounded; legs pale. (L. 1 l.) Under bark, &c., London district; Norfolk; Suffolk; New Forest: 5-6.

948 affinis Marsham. ? — Ste. M. iii. 40. — Short, ovate, slightly convex; testaceous, villose; head tawny; eyes black; thorax rather tawny, slightly notched in front; elytra short, spotless, the apex rather obliquely truncate, the angles slightly rounded. (L. 1 l.) Under bark, &c., London district; Suffolk: 5-6.

949 melanoccephala Marsh. i. 136. — Ste. M. iii. 40. —'Short, ovate, slightly convex; red or pitchy-black; elytra testaceous, the apex somewhat truncate obliquely, the angles rather acute; tip and abdomen acute; legs and antennae pale testaceous. (L. 1 l.) Under bark, &c., near London; Sevenoaks; Humby: 12-5.

950 limbata Fab. E. i. 352. — Oliv. ii. pl. 3. f. 18.— Ste. M. iii. 40. — Ovate, rather convex; rusty-red, thickly punctured: head fuscescent; eyes black; thorax deeply and broadly notched in front, truncate behind; the disc dusky; elytra rounded at the tip, brown-black, with a reddish margin; body pitchy-black beneath. (L. 1-1½ l.) In flowers, &c., Hertford; Suffolk; Norfolk; Hull; N. Wales; Netley: 5-6.

951 rufomarginata Davis. — Ste. M. iii. 40. — Ovate, somewhat convex, black, with the margins of the thorax and of the elytra red. (L. 1 l.) In flowers, &c., near London and Sevenoaks, and in Scotland: 5-6.

952 10-guttata Fab. E. i. 350. — Oliv. ii. pl. 3. f. 24. ? — Ste. M. iii. 40. — Oblong-ovate, rather convex; dusky rust-colour, deeply punctured: eyes black; thorax short, deeply notched in front; the lateral margins and a dorsal line pale griseous; elytra with the apex obliquely truncate; the disc with 5 pale spots (the 5th sometimes united with the 3d); legs pale testaceous; with hinder thighs slightly toothed. (L. 1-2 l.) Under bark, Coombe Wood; Swansea; Cramond: 5-6.
155 Strongylus Herbst.

953 strigatus Fab. E. i. 350. — Ste. M. iii. 42. pl. xvi. f. 5. — Ovate, convex; deep fuscous: head in front, and sides of thorax, dull red; elytra thickly punctulate, with a slightly flexuous longitudinal pale mark at the base, a short curved transverse band behind the middle, and a faint sutural stria; abdomen and legs pitchy. (L. 1 1/2 l.) Under decayed bark of oaks, Clandon Common, 7; Coombe Wood, 6; Netley.

954 imperialis Fab. E. i. 350. — Ste. M. iii. 43. — Cur. viii. pl. 339. — Ovate, convex; deep fuscous: head, sides of the thorax, and of the elytra and the suture, dull red, disc of the latter with a large common lobate white patch, with about 4 black or dusky spots; abdomen pitchy black; legs and antennae testaceous. (L. 1 1/2 l.) Clandon Common, 7; Coombe Wood; Wanstead; Windsor; Penllergare Woods, under bark: 5-6.

955 fervidus Olie. E. ii. 15. pl. 4. f. 32. — Ste. M. iii. 43. — Oblong-ovate, convex; glossy rust-colour, very thickly punctured; eyes black; thorax deeply and broadly notched in front; elytra slightly pubescent, punctate, the apex obtuse and sometimes dusky; legs pale rusty-red; antennae short, the basal joint much dilated, the club large, coarctate, somewhat globose, and at times pitchy-brown. (L. 2 l.) In fungi, near London, and at Ripley; Annan: 6.

956 ferrugineus Fab. E. i. 349. — Pz. F. lxxxiv. f. 2. — Ste. M. iii. 44. — Ovate; dusky ferruginous; densely pubescent: thorax deeply notched in front; elytra coarsely punctate-striate, the interstices pubescent, the pubescence disposed in rows; abdomen pitchy-black beneath, or pitchy-brown. (1 1/2-2 1/2 l.) In Lycoperdons, Dover, 8; Guilford, 9; Coombe Wood; Epping; Gogmagog Hills, Cambridge, 10; Gibside; Walbeck; Ravelston: 5-7.

156 Campta Kirby.

957 lutea Herbst. iv. 183. pl. 43. f. 3. — Ste. M. iii. 44. — Rounded ovate; testaceous-yellow; eyes black; above densely pubescent, beneath glabrous; thorax very convex, the sides dilated; elytra broad and obtuse at the apex. (L. 1 1/2-2 1/2 l.) On flowers; Darenth; Ripley; Swansea; High Bickington, Devon; Annan: 5-6.

157 Meligethes Kirby.

958 Dulcamara Scop. C. 22. — Ste. M. iii. 45. — Oblong-ovate; olive-brown, slightly pubescent: the head, scutellum, suture of the elytra, and abdomen fuscous, or black; thorax broad, its anterior edge entire; legs pale testaceous. (L. 4-1 1/2 l.) Grassy banks, &c., Hertford; Ripley; Coombe Wood; Swansea; Norfolk; Suffolk: 5-6.

959 rufipes De Geer, iv. 188. — Ste. M. iii. 45. — Ni. atrata Oliv. ii. pl. 4. f. 31. — Flat, ovate, obscure black, slightly pubescent: mouth pitchy; antennae dull red, club black; thorax wide, with a notch in front, the margin reflexed, dull red; legs short, stout, testaceous-red, or slightly pitchy. (L. 1 1/2-1 3/4 l.) On flowers, every where: 5-8.

960 flavimanus Kirby. — Ste. M. iii. 46. — Flat, ovate, convex; dull black, slightly pubescent: thorax with a shallow notch in front; anterior legs testaceous-red. (L. 1-1 1/2 l.) In flowers, Hertford; Swansea; Suffolk: 5-6.

962 viridescens Fab. E. i. 353. — Pz. F. ixxxiii. f. 7. — Ste. M. iii. 46. — Oblong-ovate, rather convex; nearly glabrous; green-blue, green, or blue-black above; thickly punctured: base of antennae and the legs testaceous-red; anterior tibiae simple, i. e., not spinulose on the outer edge. (L. 1-1$\frac{1}{2}$ l.) In flowers, London district; Bottisham; Netley; Swansea; Carlisle; Edinburgh: 5-6.

963 caeruleus Marsh. i. 132. — Ste. M. iii. 46. — Oblong-ovate, rather convex; very slightly pubescent; above blue-black, or blue, or violet; legs dusky, or black, with the anterior tibiae paler, and simple. (L. 1-1$\frac{1}{2}$ l.) With the foregoing species: 5-6.

964 aneus Fab. E. i. 353. — Pz. F. ixxxiii. f. 6. Me. Urticiae Ste. M. iii. 47. var. — Oblong ovate, rather convex; thickly punctulate; slightly pubescent; above brassy-green, or violet, rarely with a bluish-tinge; legs reddish; thighs pitchy; anterior tibiae slightly serrated without. (L. 1-1$\frac{1}{2}$ l.) In flowers, London district; Bottisham; Ayr; Edinburgh, &c.: 5-6.

965 nigrescens Ste. M. iii. 47. — Oblong-ovate; slightly convex and pubescent; above of a deepfuscous-black; antennae and legs entirely dusky. (L. 1-1$\frac{1}{2}$ l.) In flowers, London district: 5-6.

966 Pedicularius L. ii. 574. ? — Oliv. ii. 19. pl. 3. f. 21. — Ste. M. iii. 47. — Short, ovate, convex; black, shining, punctate: thorax short, convex, slightly notched in front; elytra with an obscure brassy tinge; legs pitchy or dull testaceous, short, the tibiae dilated towards the apex and outwardly ciliate-denticulate, the hinder pair obtusely angulated in the middle; base of antennae dull red. (L. 2$\frac{1}{2}$-1 l.) In flowers, London district; Swansea; Scotland, common: 5-6.

967 xanthoeceras Ste. M. iii. 48. — Oblong-ovate, black; punctured; slightly pubescent: thorax very short, convex, scarcely notched in front; antennae and legs wholly testaceous-yellow; anterior tibiae denticulate externally. (L. 2$\frac{1}{2}$-1 l.) In flowers, near London: 5.

968 nigricornis Kirby — Ste. M. iii. 48. — Oblong-ovate; greenish-black, punctulated: thorax slightly notched in front, convex; antennae and legs wholly black; the anterior tibiae denticulate without. (L. 2$\frac{1}{2}$-1 l.) In flowers, Swansea: 5.

969 subrugosus Gyll. i. 236. — Ste. M. iii. 48. — Short, ovate, convex; black, very thickly punctured: thorax very slightly notched in front; elytra with a delicate griseous pile, punctured, the punctures united transversely, producing a wrinkled appearance; legs pitchy; antennae with the club acuminate. (L. 2$\frac{1}{2}$-1 l.) In flowers, London district; Netley: 5-6.

970 niger Ent. M. (Newman) ii. 200. — Ste. M. v. 407. — Black; punctured, the punctures deepest on the thorax and elytra, the latter with a greyish pile, narrowed behind; legs pitchy-black, anterior lightest; antennae the same, with the basal and terminal joints palest. (L. 2$\frac{1}{2}$ l.) In flowers, London district: 5-6.

971 nigrimus Marsh. i. 138. — Ste. M. iii. 48. — Short, ovate; very smooth and glossy black: thorax scarcely notched in front; elytra somewhat truncate; antennae and legs black. (L. 2$\frac{1}{2}$-1 l.) In flowers, London district; Norfolk; Yorkshire; Scotland: 5-6.

972 erythrops Marsh. i. 132. — Ste. M. iii. 49. — Short, ovate, convex; deep black, with a brassy tinge; very thickly punctulate; thorax scarcely notched in front; elytra slightly truncate; legs and antennae dull rusty-red; tibiae slightly ciliated. (L. 2$\frac{1}{2}$-1 l.) In flowers, London district; Bottisham; Netley: 5-6.

158 Pri a Kirby.

973 truncatella Marsh. i. 123. — Ste. M. iii. 50. — Oblong-ovate; pale testa-
Necrophaga. — Nitidulidae.

testaceous-brown; slightly pubescent; elytra with a single stria near the suture, which is brownish, the apex slightly truncate; legs and antenna pale testaceous, club dusky; eyes black. (L. 2 l.) Near London; Darenth Wood, 6; Suffolk, on flowers.

159 Carphophilus Leach.

(974 hemipterus L. ii. 565. — Ste. M. iii. 50. — Herbst. v. pl. 34. f. e. — Oblong-ovate, above brown-black, pubescent; punctate; elytra with 1 or 2 spots at the shoulder, and a broad patch at the apex dull yellow; legs dull red. (L. 1 1/2 l.) London district, &c. mostly in houses: (9.)

(975 pusillus Ste. M. iii. 51. — Oblong-ovate; above brown-black, slightly pubescent: elytra testaceous-brown, immaculate, or with a faint tawny spot at the apex; body beneath, legs and antenna testaceous-red. (L. 1-1 1/2 l.) London, &c., in brown sugar; probably introduced.)

160 Anisocerus Howitt.

976 Spirææ Howitt. — Ste. M. v. 458. — Depressed; rather broad, testaceous; thickly and deeply punctate: eyes and breast black; ♀ with a broad smooth line down the centre of the thorax. (L. 1 l.) Spiræa ultima (fl.): Oxton Bog, Notts.; 5-6.

161 Cateretes Herbst.

977 bipustulatus Ph. F. i. 286. — Ste. M. iii. 51. — Oblong-ovate, black: very deeply punctured: mouth reddish; elytra broad, much shorter than the abdomen; the disc with a large angulated pale red spot in the middle, apex truncate; antenna and legs pale reddish. Variable: sometimes rusty-black, the elytra dull red, with the margin, angle of the scutellum, and apex black, or dull red, with the abdomen fuscescent. (L. 1 1/2-2 l.) Marshy districts; Battersea fields; Netley; on Caltha palustris; Shetty Bog; Notts.; 4-6.

978 Pedicularius L. ii. 564. — Pz. F. viii. f. 5. — Ste. M. iii. 52. — Oblong-ovate; rusty-testaceous, deeply punctate: eyes black; thorax transversely ovate, slightly convex; elytra dull red, or pale testaceous; body beneath brown, with the apex paler; legs short, pale testaceous; tibiae slender at the base, much dilated at the tip. (L. 1-1 1/2 l.) Flowers of aquatic plants; London district; Netley; Swansea: 5-6.

979 Agaricæ Kirby. — Ste. M. iii. 54. — Pitchy-black; very much punctulated; slightly glossy; elytra somewhat pubescent; antenna and legs pitchy-red. (L. 3/4-1 l.) In Agarics, near Bristol, and in Suffolk: 5-6.

980 Carices Spence. — Ste. M. iii. 54. — Convex; deep glossy black, very much punctulated: antennæ and legs red; extremity of the abdomen pitchy-black. (L. 3/4-1 l.) On Carices, near Hull, and in Norfolk; Netley: 5-6.

981 Junici Kirby. — Ste. M. iii. 54. — Black, much punctulated; head and thorax pitchy; antenna, legs, and exposed upper portion of the abdomen red, base of the latter beneath black. (L. 3/4 l.) Rushes; near Bristol; Hull; Netley: 5-6.

982 Rufilabris Latr. G. ii. 16. — Ste. M. iii. 54. — Ovate, glossy black; coarsely and irregularly punctate; with a griseous pile; last segment of the abdomen above nearly glabrous; elytra somewhat wrinkled, their hinder margin smooth, antenna and legs red. (L. 3/4-1 l.) Damp places, amongst Carices and rushes; near London; Crwymlyn Bog: 5-6.

983 Urtica Fab. E. i. 320. — Ste. M. iii. 52. — Sc. scutellatum Pz. F. iv. f. 11. — Oblong-ovate: black, with a brassy hue; deeply punctate and
slightly villose; thorax somewhat rounded in front; abdomen rather acute, black; antennæ and legs pale red, the latter short. (L. 3/4-1 l.) Among nettles, London district; Netley; Swansea; Edinburgh: 5-6.

984 Linariae Kirby. — Ste. M. iii. 53. — Oblong-ovate; deep black; finely punctate and slightly pubescent; thorax wide, straight in front; elytra truncate; legs black, or pitchy; anterior tarsi and antennæ rusty-red. (L. 1 1/2 l.) On Linaria, near London, and in Suffolk: 5-6.

985 nitidus Kirby. — Ste. M. iii. 53. — Oblong-ovate, convex; pitchy-feruginous; glossy; punctulated; antennæ and legs pale red. (L. 1 l.) Grassy banks; London district; Bristol; Suffolk: 5-6.


987 ruficornis Marsh. i. 131. — Ste. M. iii. 53. — Oblong-ovate, convex; deep glossy-black; faintly punctulated; antennæ and legs entirely red. (L. 3/4-1 1/2 l.) Grassy banks, London district; Swanslea: 5-6.

988 pyrrhopus Marsh. i. 138. — Ste. M. iii. 53. — Oblong-ovate; slightly convex; deep glossy black; deeply punctate; antennæ and legs red. (L. 1 1/2 l.) Grassy banks, London district; Netley: 5-6.

162 Micropeplus Kirby.

989 porcatus Ph. M. S. 50. — Olie. iii. pl. 4. f. 33. — Ste. M. iii. 55. — Obscure black; minutely punctured: sides of thorax flat, with a minute tooth in the middle, the disc foveolated; elytra rather dilated on their sides towards the apex; abdomen above with transverse and longitudinal ridges: base of antennæ and the legs entirely rusty or testaceous-red. (L. 3-1 1/2 l.) Under bark, &c. London district; Norfolk; Suffolk; Hurne; Netley; Swanslea; Notts; Carlisle; Malden Park; Duddington, &c. 5.

990 staphylinoides Marsh. i. 137. — Ste. M. iii. 55. pl. xvi. f. 6. — Black, slightly glossy; punctulate; thorax with the sides entire and red, disc foveolated; elytra parallel; abdomen with slightly raised transverse and longitudinal lines; antennæ and legs wholly rusty-red. (L. 3/4-1 l.) Under moss, &c., London district; Bottisham; Petworth; Stockton; Netley; Swanslea; Edinburgh, &c.: 3-8.


992 Tesserula Cur. v. pl. 204. — Ste. M. iii. 56. — Short; pitchy-black, minutely punctured: thorax with the sides dilated, and dull red, disc with 2 foveae behind; abdomen with a raised line down the back, and an interrupted elevated line on each side; legs dull red. (L. 3/4? l.) Belfast: 2.

Fam. 20. MYCETOPHAGIDÆ Westwood.

c1xiii. Trichopteryx Ant. 11-jointed, 2 basal joints large, elongate, 9th and 10th joints equal, club 3-articulate: body oblong, 4-drate: tho. with sides entire: wings very narrow, fringed with very long hairs: tarsi 5-jointed.

c1xv. Anisarkhria Ant. 11-jointed, 2 basal joints large, elongate, 10th joint minute; club 3-jointed: body broad, somewhat ovate, convex: tho. with sides entire: tarsi 5-jointed.

c1xv. Atomaria Ant. 11-jointed, basal joint large, 2d slender, longer than
the 3d; club 3-jointed: body elongate, ovate, rather flattened: tho. slightly elongate, with the sides entire, the disc without any raised lines: tarsi 5-jointed.

clexvi. Myceteca Ant. 11-jointed, basal joint large, 2d slender, longer than the 3d; club 3-jointed: body ovate, convex, pilose: tho. with the sides entire, the disc with 2 raised marginal lines: tarsi 5-jointed, the 4th joint minute; anter. in $\xi$ with an appendage at the base.
(clxvii. Holoparamecus Ant. 10-jointed, basal joint subglobose, 2 next long; club 2-articulate: body oblong, depressed: tho. obcordate: elytra elliptical: tarsi 3-jointed?)

clexviii. Silvanus Ant. 11-jointed, 2d joint not longer than 3d; club 3-jointed: palpi filiform: tho. rather long; more or less denticulate on the sides: body elongate, narrow, flat: tarsi 4-jointed.


clexxi. Paramecosoma Ant. 11-jointed, 2d joint ovate, shorter than 3d; club 3-articulate: tho. transverse, 4-drate, denticulate on the sides: body elongate, ovate, slightly depressed: tarsi 5-jointed.

clexxii. Psammearchus Ant. 11-jointed, 2d joint not longer than 3d; club 3-articulate: palpi large, terminal joint securiform: tho. with its margin notched in front: tarsi 4-jointed, basal joints bilobed.

clexxiii. Philocephalus Ant. 11-jointed, 2 basal joints large, somewhat globose: max. palpi with terminal joint thick, conical: tho. with margins entire: body oblong, ovate, very convex: tarsi 5-jointed, entire.


clexxv. Triphyllus Ant. 11-jointed, basal joint thickened, 2d slender, shorter than 3d; club 3-articulate: tho. with margins entire, without a raised lateral line: body oblong, ovate, slightly convex: tarsi 5-jointed, simple.

clexxvi. Biphyllus Ant. 11-jointed, 2d joint obconic, short; club 2-jointed: tho. with the margins entire; with a raised line on each side, disc convex: body ovate, rather convex, pilose: tarsi 5-jointed, simple.

clexxvii. Typheus Ant. 11-jointed, basal joint large, 2d slender, as long as the 3d, all longitudinal; club 3-jointed: palpi short, rather filiform: tho. with margins entire: body oblong-ovate, flatish, pubescent: tarsi 5-jointed, heteromerous in $\xi$.

clexxviii. Myctophasus Ant. 11-jointed, rather slender, gradually increasing in size, and terminating in a somewhat indistinct, elongate, 5-articulate club: tho. with margins entire: body ovate, slightly convex: tarsi 5-jointed, simple; anter. in $\xi$ 3-jointed only.


163 Trichopteryx Kirby.

993 atomaria De Geer. iv. 208. pl. 8. f. 16-20. — Ste. M. iii. 60. — Brownish-black; delicately pubescent, and finely punctured; head black, acute in front; thorax convex, the sides rounded; elytra with the tip obtuse; somewhat obliquely truncate; body pitchey-black; legs and
antennae pale red, tip of latter dusky. (L. \(\frac{1}{2}\) l.) Gardens, hedges, &c.

London district; Swansea: 2-8.

994 minima Marsh. i. 80. — Ste. M. iii. 60. — Flat; head and thorax deep glossy black; obscurely punctured: elytra paler, with the tip still more dilute; antennae dull red; legs pale red. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.

995 pusilla Gyll. i. 189. — Ste. M. iii. 60. — Rather convex; deep glossy black; very finely punctured; elytra concolorous to the apex; legs and antennae very pale testaceous. (L. \(\frac{1}{2}\) l.) In moss, &c., London district: 3-6.

996 nana Ste. M. iii. 60. — Very short, ovate, pitchy-black; punctulate and slightly pubescent; elytra concolorous to the apex; antennae pitchy-black; legs pale-reddish. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.

997 minutula Ste. M. iii. 61. — Oblong-ovate, slightly convex, pitchy-black, slightly pubescent, and finely punctured: elytra rather pitchy at the apex; antennae and legs pale reddish. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.

998 trisulcata Spence. ? — Ste. M. iii. 61. — Oblong-ovate; deep pitchy-black; punctulate; the thorax with three very obscure sulci behind; legs pale, antennae black. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.

999 Titan Ent. M. (Newm.) ii. 201. — Ste. M. v. 407. — Minute; black; legs very pale dirty white. (L. \(\frac{1}{2}\) l.) In moss, near London: 3.

164 Anisarthria Waterhouse.

1000 punctula Ste. M. iii. 62. — Somewhat elongate-ovate, shining black, slightly pubescent, and very obscurely punctulate; antennae and legs pale dirty white. (L. \(\frac{1}{2}\) l.) In moss, &c., near London and in Cambridgs: 3-6.

1001 minutissima Kirby. — Ste. M. iii. 62. — Ovate; brown-black, very slightly pubescent, and faintly punctulated; elytra reddish-brown, or pitchy; antennae and legs pale ochreous. (L. \(\frac{1}{2}\) l.) In moss, &c., near London; Norfolk; Bristol: 3-6.

1002 perpusilla Marsh. i. 80. — Ste. M. iii. 62. — Somewhat oblong-ovate; deep glossy black, very obscurely punctate, and scarcely pubescent: thorax very convex in front, and considerably dilated; elytra flatter, piceous at the apex; legs pale; antennae testaceous. (L. \(\frac{1}{2}\) l.) In moss, &c., near London, Swansea, and Norfolk: 3-6.

1003 melas Marsh. i. 78. — Ste. M. iii. 63. — Oblong-ovate, slightly convex; deep shining black, obscurely punctured, somewhat pubescent: elytra concolorous at the tip; antennae and legs testaceous. (L. \(\frac{1}{2}\) l.) In moss, &c., London district and Swansea: 3-6.

1004 nitida Ste. M. iii. 63. — Short, ovate, slightly convex; deep black, very glossy; the apex of the elytra concolorous; antennae and legs testaceous. (L. \(\frac{1}{2}\) l.) In moss, &c., London district, and in Norfolk: 3-6.

1005 pilosella Marsh. i. 78. — Ste. M. iii. 63. — Ovate; chestnut, shining; head dusky or deep black; thorax dilated on the sides, and elytra pilose, the latter rather narrowed behind; body beneath, legs and antennae dull red. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.

1006 nitidula Marsh. i. 79. — Ste. M. iii. 63. — Ovate, convex; pitchy-black, shining pubescent: elytra parallel, the apex dull-pitchy; body beneath, legs and antennae red. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.

1007 brunnea Marsh. i. 78. — Ste. M. iii. 64. — Oblong; flattish; slightly pubescent; reddish-brown; shining: head black; antennae and legs testaceous. (L. \(\frac{1}{2}\) l.) In moss, &c., near London: 3-6.
1008 fulvicollis Ste. M. iii. 64. — Oblong-ovate, slightly convex; shining chestnut, rather pubescent: thorax bright tawny; eyes dusky; legs and antennae tawny-red, the latter remote. (L. \(\frac{3}{4}\) l.) Grassvy banks, &c., Dover; Bristol; Norfolk: 3-6.

1009 thoraceica Ste. M. iii. 65. — Rather slender; elongate-linear, slightly flattened, shining reddish-chestnut, with the thorax paler; legs and antennae tawny-chestnut, the latter remote. (L. \(\frac{1}{2}\) l.) Banks, &c., near London and Ripley: 3-6.

1010 evanescens Marsh. i. 126. — Ste. M. iii. 65. — Oblong; pitych-black, shining; elytra pale pitchy at the apex; legs and antennae pale rust-colour, the latter remote. (L. \(\frac{1}{2}\) l.) Banks, &c., near London, and in Norfolk and Suffolk: 3-6.

1011 phæogaster Marsh. i. 125. — Ste. M. iii. 65. — Oblong-ovate; shining red: eyes black; base of the elytra and the abdomen fuscous, the latter glabrous and shining; legs red; antennae remote and testaceous. (L. \(\frac{3}{4}\) \(\frac{3}{4}\) l.) Banks, &c., Battersea fields, &c.: 3-6.

1012 basella Kirby. — Ste. M. iii. 65. — Elongate; slightly flattened; shining testaceous-red; base of the elytra dusky-black; legs and antennæ reddish, the latter remote. (L. \(\frac{1}{2}\) l.) Banks, &c., near London, and Barham: 3-6.

1013 atricappa Kirby. — Ste. M. iii. 66. — Oblong-ovate; pale shining testaceous-red: head dusky or black; scutellum chestnut; legs and antennæ pale testaceous, the latter remote. (L. \(\frac{1}{2}\) l.) Banks, &c., London district; Netley; Norfolk; Suffolk: 3-6.

1014 testacea Kirby. — Ste. M. iii. 66. — Elongate; testaceous-red; glabrous; thorax paler, with an impressed punctate stria behind; eyes fuscous. (L. \(\frac{3}{4}\) l.) Banks, &c., Suffolk: 3-6.

1015 castanea Kirby. — Ste. M. iii. 66. — Oblong-ovate; chestnut, shining; glabrous: antennæ and legs paler, the former remote; eyes fuscous. (L. \(\frac{3}{4}\) l.) Banks, &c., London; Devonshire; Norfolk; Suffolk: 3-6.

1016 nigripennis Ph. F. i. 292. — Ste. M. iii. 67. — Cr. ruficollis Pz. F. ecx. f. 13. — Ovate, convex; shining testaceous-red, glabrous; elytra punctate and black; abdomen pithe-red: legs and antennæ bright ferruginous, the latter remote. (L. \(\frac{1}{2}\) l.) Banks, &c., Battersea fields; Norfolk; Suffolk: 3-6.

1017 mesomelas Herbst. iv. 143. pl. 41. f. 7. — Ste. M. iii. 67. — Ovate, convex; black, pubescent: elytra testaceous, with the base distinctly black for about \(\frac{1}{4}\) of their length; legs and antennæ pale testaceous-red, the latter remote, and with a dusky club. (L. \(\frac{3}{4}\) l.) Banks, &c., near London, and in Norfolk: 3-6.

1018 dimidiata Marsh. i. 112. — Ste. M. iii. 67. — Oblong-ovate, slightly convex; deep fuscous-black; very thickly punctured; the apical half of the elytra yellow or ochreous; legs testaceous; antennæ remote, with the club fuscous. (L. \(\frac{3}{4}\) l.) Banks, &c., near London and Bristol: 3-6.

1019 atra Herbst. iv. 15. pl. 45. f. 5. — Ste. M. iii. 67. — Ovate, convex; black, pubescent: thorax broad behind, the angles deflexed; elytra broad at the base, dilated in the middle, acute and bright rusty-red at the apex; legs dark rusty-red; antennæ paler, and remote. (L. \(\frac{1}{2}\) \(\frac{3}{4}\) l.) Banks, &c., London district: 3-6.

1020 carbonaria Kirby.? — Ste. M. iii. 68. — Somewhat ovate, convex; deep glossy black; slightly pubescent; elytra very thickly and finely punctulate, the apex rather acute and fuscous; legs and antennæ deep fuscous, the latter remote. (L. \(\frac{3}{4}\) l.) Banks, &c., near London, and in Norfolk: 3-6.
1021fuscipesGyll.i.182.—Ste.M.iii.68.—Oblong-ovate;black;pubescent;finelypunctured;thoraxveryconvex,broadlymarginedbehind;elytraalittledilatedintheme,slightlyacuteattheapex;legsandantennaeblack,thelatterremote.(L.\textfrac{1}{2}-\textfrac{3}{4}.)Banks, &c., Battersea fields: 3-6.


1023ruipesSte.M.iii.68.—Oblong-ovate, rather flat; pitchy-black;veryslightlypubescent;elytraalittledilatedintheme,andalrighthawnatthetip;legsandantennaebrightrusty-red,thelatterremote.(L.\textfrac{3}{4}.)Banks, &c., near London; in Norfolk; Devonshire, &c.: 3-6.

1024ruicornisMarsh.i.125.—Ste.M.iii.68.—Oblong-ovate, slightlyconvex;glossyblack:thoraxfuscescent;legsandanturnaeblack,theremote. (L.\textfrac{1}{2}-\textfrac{3}{4}.)Banks, &c., London district; Norfolk; Suffolk: 3-6.

1025dorsalisKirby.—Ste.M.iii.69.—Short,ovate,slightlyconvex;pitchy:antennaeandlegsrusty-red,theremote;baseoftheelytranearthescutellumblack.(L.\textfrac{3}{4}.)Banks, &c., near London, and Suffolk: 3-6.

1026nigrirostrisKirby.—Ste.M.iii.69.—Oblong, flat; pitchy-red:headblack;legsandantennaeblack,thelatterapproximating.(L.\textfrac{3}{4}-\textfrac{1}{2}.)Banks, &c., Battersea fields; Suffolk, &c.: 3-6.

1027nigriventrisKirby.—Ste.M.iii.69.—Oblong, slightlyflattened;testaceous:thoraxandabdomenfuscescent-black;legsandantennaeatwiny,orreddishtestaceous,thelatterapproximating.(L.\textfrac{1}{2}-\textfrac{3}{4}.)Banks, &c., London district, and Suffolk: 3-6.

1028linearisSte.M.iii.70.—Elongate, linear, flat; black; slightlypubescent: antennae and legs chestnut. (L.\textfrac{1}{2}-\textfrac{2}{3}.)Banks, &c., London district: 3-6.

166MYCETEAKirby.

1029fumataMarsh.i.65.—Ste.M.iii.80.pl.xvii.f.1.—Oblong-ovate, slightlyconvex;palearcheous-testaceous;headandthoraxsomewhatrusty,impunctate;elytrafinelypunctate-striate,clottedwominutepalehairs;legsandantennaeplain-testaceous.(L.\textfrac{3}{4}.)NearLondon;atNottinghamandHawick,incellars:○.

1030hirtaMarsh.i.124.—Ste.M.iii.66.—Cur.xi.pl.502.—Oblong-ovate;ratherdilatedinthesides,convex;rusty-red, pilose;elytra deeplypunctured, the punctures somewhat disposed in lines; antennae and legs pale dull red. (L.\textfrac{3}{4})Grass banks, &c., London district; Netley; Swansea; Norfolk; Suffolk; Devonshire: ○.

167HOLOPARAMECUSCurtis.

(1031depressusEnt.M.(Cur.)i.186.—Ste.M.v.410.—Cur.xiii.pl.614.—Testaceous, shining, sparingly punctured: eyes black; thorax with a transverse suture behind; the edges of the hinder angles slightly raised, and the base on each side with a deep abbreviated longitudinal channel; elytra with a short sutural stria. (L.\textfrac{3}{4})Norfolk; gardens, flying, Hertford and South Lambeth, 6; and in flour.)

168SILVANUSLatreille.

1032SurinamensisL.ii.565.—Ste.M.iii.104.note.—De.6-dentatus.

Pz.F.xiv.f.11.—Testaceous-brown; pubescent; thorax with 3 raised
longitudinal lines, the lateral margins each with 6 stout denticulations; elytra punctate-striate, alternate interstices elevated; legs testaceous.

(L. 1½ l.) In sugar casks, &c.)

1033 dentatus Marsh. i. 108. — Ste. M. iii. 104. note. — Dull reddish; antennae, head, and thorax dusky; elytra lighter, with 3 elevated obscure strie, with a slender one between each; thorax with the lateral margins crenate-dentate, and 2 foveae near the base; hinder thighs with a strong tooth. (L. 2 l.) Also in sugar casks, &c.)


169 Latridius Herbst.

1035 lardarius De Geer, v. 45. pl. 2. f. 25-31. — Ste. M. iii. 111. — Elongate; testaceous-red; glabrous: thorax oblong-quadrate, flat; with 2 parallel ridges, dividing a deep basal fovea into 3 parts; elytra ample, rather narrowed at the tip, the disc punctate-striate; legs and antennae pale testaceous, joints of the former dusky. (L. 1-1½ l.) Dunghills, &c., London district; Yorkshire; Carlisle: 3-6.

1036 angusticollis Schüppel. — Gyll. iii. 186. — Ste. M. iii. 111. — Elongate; testaceous-brown, or chestnut: thorax oblong-quadrate, a little narrowed behind, the disc with 2 ridges, and an interrupted basal fovea as in the last species; elytra with the shoulders much elevated, the sides expanded, the apex obtusely rounded, and the disc deeply punctate-striate. (L. 1 l.) Hedges near London: 3-6.

1037 rugicollis Oliv. ii. pl. 3. f. 19. — Ste. M. iii. 111. — Rather short, testaceous brown: thorax 4-drate, anterior angles rounded, not elevated; disc with 2 ridges, elytra with the apex rounded, the disc punctate-striate, the alternate interstices and suture somewhat elevated; legs and antennae testaceous, club of the latter dusky. (L. 3/4-1 l.) Near London, and in Norfolk: 1-6. In moss, Humby: 12.

1038 carinatus Gyll. iii. 137. — Ste. M. iii. 112. — Elongate, narrow; brown, opaque: thorax somewhat heart-shaped, disc with 2 obscure ridges, vanishing behind, the base with a continuous transverse channel; elytra rounded at the tip, the disc punctate-striate, the alternate interstices and suture elevated; antennae and legs testaceous. (L. 3/4 l.) Hedges, London district: 3-6.

1039 hirtus Gyll. iv. 130. ? — Ste. M. iii. 112. — Oblong; black; slightly opaque; thickly punctulate; thorax somewhat 4-drate, disc with a deep central channel, terminating near the base in a deeper fovea; elytra punctate-striate, the interstices with erect, rigid, ashy hairs: legs and antennae reddish or pitchy. (L. 1 l.) Pettyward Wood, &c.: 3-6.

1040 transversus Oliv. ii. 14. pl. 3. f. 20. — Ste. M. iii. 112. — Oblong; dull red; rather thickly punctulate; thorax short, broad, a little narrowed in front, with a deep transverse fovea near the base; neck exposed; punctulated; elytra rather deeply punctate-striate; legs testaceous; antennae dull red, rather short in the basal impression; elytra shining, deeply punctate-striate; legs and
antennae ferruginous. (L. 1 l.) Under bark, roots, &c., London district; Nottingham; Edinburgh, &c.: ☐.

1042 nudifer Westwood Int. i. 155. pl. 13. f. 23. — Pitchy-black; thorax narrow, constricted behind the middle, the disc with 2 ridges; elytra punctate-striate, with 2 tubercles behind the middle. (L. 1 l.) Roots of white thorn: Chiswick and Coombe Wood: 8-9.

1043 rugosus Herbst. vi. pl. 44. f. 3. — Ste. M. iii. 113. — Oblong; black: thorax broad, short, rather narrowed in front, the base with a deep transverse impression, the disc with an obscure dorsal channel; elytra rather faintly punctate-striate; interstices not elevated; antennae, mouth, and legs dull red. (L. 1 l.) Hedges; London district: 3-6.

1044 testaceus Waterhouse. — Ste. M. iii. 114. pl. xviii. f. 3. — Short; somewhat convex; testaceous, slightly glossy: thorax very short, wide; bisinuated in front, disc slightly convex; with an obscure channel, and a deep somewhat 3-lobed transverse basal fovea; elytra obscurely punctate-striate; antennae and legs pale testaceous. (L. 2 l.) Old Brompton: 5.

1045 ruficollis Marsh. i. 111. — Ste. M. iii. 114. — Elongate; pale testaceous, shining, glabrous: thorax oblong, constricted towards the middle, with a faint dorsal channel in front, and a transverse impression behind; elytra fuscos, deeply punctate-striated, interstices alternately elevated, apex rounded; antennae and legs pale testaceous. (L. 2 l.) Under bark, &c.; Dulwich; Kensington Gardens; Ripley; Bristol; Swansea; Carlisle: 3-6.

1046 elongatus Cur. vii. pl. 311. — Ste. M. iii. 115. — Elongate; narrow, pale chestnut or testaceous: thorax oblong, constricted behind the middle, the disc coarsely punctured, hinder angles slightly narrowed; elytra rather deeply punctate-striate, the 5th interstice elevated; antennae and legs paler than the rest of the body. (L. 3 l.) Under moss, bark, &c.; Southgate; Bristol; Humby; New Forest, &c., ☐.

170 CORTICARIA Marsham.

1047 pubescens Illiger. — Gyll. iv. 123. — Ste. M. iii. 106. — Rusty-brown, dusky-piceous, or pale-testaceous; rather densely pubescent: thorax elongate, somewhat heart-shaped, the sides obscurely crenate, the base with a large fovea; elytra closely punctate-striate, interstices also punctured, and wrinkled; breast and base of abdomen dusky. (L. 1 l.) Old walls, &c., near London: cellars, Nottingham; Edinburgh: 3-6.

1048 crenulata Schön. — Gyll. iv. 125. — Ste. M. iii. 107. — Pitchy- or rusty-brown, black or testaceous, densely pubescent: thorax shortish, the sides regularly rounded and obscurely crenate; base with a more or less deep fovea; elytra punctate-striate, and faintly wrinkled transversely. (L. 1 l.) Battersea fields; Hertford; Walham Green (in dry fungus); Edinburgh: 3-6.


1050 longicornis Herbst. v. 4. pl. 44. f. 1. — Ste. M. iii. 107. — Black; slightly shining and rather pubescent: thorax a little elongate, the sides dilated and rounded before the middle, not crenate; the base narrowed, and with an obscure fovea; elytra punctate-striate, the interstices impunctate, but finely wrinkled transversely: legs and antennae at the base reddish, tip of the latter dusky. (L. 1 l.) Under bark, &c.; London district: 3-6.
1051 linearis *Ph. F.* i. 302. — *Ste. M.* iii. 108. — Elongate, dusky-ferruginous, slightly pubescent: thorax heart-shaped, very narrow at the base, which has a shallow fovea: the sides finely crenulated; elytra wide at base, the shoulders rectangular, disc convex, punctate-striate, interstices impunctate, faintly wrinkled; legs pale testaceous; antennae rusty, with the tip brownish. (L. \(\frac{3}{4}\) l.) Under bark; London district: 3-6.

1052 ferruginea *Marsk.* i. 121. — *Ste. M.* iii. 108. — Somewhat linear, chestnut; glabrous: head blackish; thorax nearly 4-angular, scarcely narrower than the elytra, disc very thickly punctured, the base with a small fovea; elytra pale testaceous, punctate-striate, interstices impunctate; legs pale red; antennae pale. (L. 1 l.) Under bark; London district, common; Edinburgh: (*), (*).

1053 elongata *Schüp.* — *Gyll.* iv. 132. — *Ste. M.* iii. 108. — Somewhat linear, flat; densely pubescent; testaceous: eyes black; thorax transverse, as wide as the elytra, sides near the hinder angle slightly denticulate, base with a rounded fovea; elytra pale, regularly punctate-striate, interstices impunctate; legs and antennae pale. (L. 1 l.) Under bark; London district: 3-6.

1054 gibbosa *Herbst.* v. 5. pl. 44. f. 2. — *Ste. M.* iii. 109. — Short, convex; rusty-brown, slightly glossy: thorax narrow, rounded behind, the disc with a transverse bent fovea behind the middle; elytra pilose, punctate-striate, the tip obtusely rounded; legs and antennae testaceous, club of the latter dusky. (L. \(\frac{3}{4}\) \(\frac{3}{4}\) l.) Under bark, &c.; abundant in London district; Edinburgh: (*), (*).

1055 transversalis *Schüp.* — *Gyll.* iv. 133. — *Ste. M.* iii. 109. — Short, convex; rusty-brown, slightly shining; thorax rounded behind, finely punctate and pubescent; the disc with a slightly interrupted straight fovea behind the middle; elytra punctate- striate, the interstices each with a row of hairs, and elevated, narrow, and thickly plaited with transverse wrinkles. (L. \(\frac{3}{4}\) l.) Under bark, &c.; London district: (*).

1056 pallida *Marsh.* i. 112. — *Ste. M.* iii. 109. — Short, convex; rusty-brown; pubescent: thorax transverse, the base truncate; disc punctate, with a deepish transverse-ovate fovea near the base; elytra rather faintly striate, interstices slightly elevated: body pitchy beneath; legs and antennae pale. (L. \(\frac{3}{4}\) \(\frac{3}{4}\) l.) Under bark, &c.; near London: 3-6.

1057 similata *Schüp.* — *Gyll.* iv. 134. — *Ste. M.* iii. 110. — Short, convex; rusty-brown; pubescent: thorax transverse, the disc with 3 suckers, hinder angles acute; elytra slightly convex, testaceous-brown, punctate-striate, the interstices narrow, elevated with transverse wrinkles, and each with a row of short hairs. (L. \(\frac{1}{2}\) l.) Under bark, &c.; London district: 3-6.

171 Paramecosoma *Curtis*.

1058 bicolor *Ent. M.* (*Cur.*) i. 186. — *Ste. M.* v. 410. — *Cur.* xiii. pl. 606. — Dull red, shining; with ochreous pubescence: head, eyes, thorax, and scutellum black, punctured; the latter with 2 small basal foveæ; elytra somewhat punctate-striate. (L. \(\frac{3}{4}\) l.) Near London, and in Hants; Knaresborough, off furze: 7.

172 Psammlechus *Boudier*.

1059 bipunctatus *Fab. E.* i. 291. — *Pz.* F. xxvi. f. 9. — *Ste. M.* iii. 103. — Testaceous: head black, or pitchy; elytra obsolete striated; the interstices transversely punctured; the disc with a round black dot; part of the suture and the abdomen black; antennæ with the club dusky. (L. 2-2\(\frac{1}{4}\) l.) Marshy places; Hertford; Cambridge; Norfolk; Somersetshire; Devon: 5-6.
173 Philoophilus Waterhouse.

1060 Edwardsii Waterh. — Ste. M. iii. 81. pl. xviii. f. 1. — Deep black; with a pale pubescence; coarsely punctate; mouth pitchy; thorax with a broad shallow fovea on each side, and a deep impressed space near the base of the lateral margins; elytra black, the disc variegated with irregular pale testaceous patches and marks; joints of legs pitchy; tarsi and base of antennae reddish. (L. 1 1/2-1 3/4 l.) Kensington Gardens; Cambridge, &c.; under bark, &c.: 2-4.

1061 Cooperi Ste. M. iii. 82. — Short; testaceous-red, pubescent; deeply punctured: head dusky; thorax with 2 basal fovea, and an impressed transverse line; elytra pale testaceous, with some obscure black marks and spots; legs and antennae pale testaceous; abdomen pitchy. (L. 1 l.) Cobham: 9.

1062 bifasciatus Ste. M. iii. 82. — Testaceous; elytra with a round black dot in the middle. (L. 1 l.) Near Barnet: 4.

174 Byturus Latreille.

1063 tomentosus Fab. E. i. 316. — Ste. M. iii. 80. — Cur. xiii. pl. 618. — Above testaceous, yellowish, pitchy, brown or reddish, densely clothed with a yellowish or griseous pile: eyes black; body pitchy-brown beneath, with the apex paler; legs and antennae testaceous-yellow. (L. 1 1/2-2 1/2 l.) Flowers, abundantly throughout England, less common in Scotland: 5-6.

175 Triphyllus Megerle.

1064 punctatus Fab. E. ii. 579. — Ste. M. iii. 83. pl. xviii. f. 2. — Pilose; dull-red, thickly and deeply punctate; the punctures very coarse and irregular on the elytra, the latter chestnut-black, or pale dusky-brown, the base transversely ferruginous, and an ovate spot of the same colour near the apex; breast dusky. (L. 1 1/2 l.) Fungi, &c., Darent Wood; Coombe; Netley; N. Wales; New Forest: 6.

1065 bifasciatus Fab. E. ii. 579. — Ste. M. iii. 83. — My. signatus Pz. F. lvii. f. 20. — Black, pubescent; thickly punctured: thorax with the hinder angles and part of the lateral margin pellucid; elytra irregularly punctured, the outer margin and apex and 2 more or less irregular bands pale testaceous: legs and antennae dull red; club black. (L. 1-1 1/2 l.) Copenhagen fields; Epping, Hainault, and New Forests; Norfolk, &c.: 6.

176 Biphyllus De Jean.

1066 lunatus Fab. E. i. 317. — Ste. M. iii. 87. pl. xvii. f. 3. — Pitchy-black; slightly pubescent, finely punctate: elytra rather glossy, punctate-striate, interstices somewhat rough, disc of each with a crescent-shaped patch of dense ash-coloured pile, and a dot of the same at the apex; legs and antennae dull red. (L. 1 1/2-1 3/4 l.) Under bark of ash, Coombe Wood; Netley; Swansea; Kimpton: 6.

177 Typhæa Kirby.

1067 Sparganii Leach. — Ste. M. iii. 70. — Oblong-ovate; rusty-ochreous; pubescent; obscurely punctured: thorax reddish in front; elytra with the base, region of the scutellum, suture and margin fuscous-black, the shoulder with a small tuberele: antennæ and legs pale ochreous. (L. 1 3/4-1 1/2 l.) Cobham, Surrey: on Sparganium erectum: 5-6.
1068 ferruginea Marsh. i. 125. — Ste. M. iii. 71. — Oblong-ovate, somewhat convex, entirely dull red, or pale chestnut, and very slightly pubescent; thorax and elytra thickly punctulated; antennae and legs rather pale. (L. 1¼ l.) Fungi, &c., London district; Bristol; Netley; N. Wales; Bottisham: 5-6.

1069 fumata L. ii. 564.2. — Ste. M. iii. 71. obs. — Cur. xv. pl. 702. — Oblong, slightly flattened; dull-red, clothed with a pale down: eyes black; elytra obsolescent striated, interstices slightly wrinkled across; antennae and legs pale rust-colour. (L. 1-1½ l.)

Var.? tomentosa Marsham. — Ste. M. iii. 71. — Smaller and of a brighter hue, with the elytra very obscurely striated, the interstices not roughened. In rotten wood, fungi, &c., London district; Bottisham; Netley; Suffolk; Yorkshire : 5-6.

178 MYCETOPHAGUS Fabr.

1070 4-pustulatus L. ii. 597. — Ste. M. iii. 84. — My. 4-maculatus Don. vi. pl. 185. f. 5. — Dull red: thorax and elytra black, the latter obsolescent punctate-stride, with a large irregular testaceous-yellow spot at the base, and a smaller one at the tip: legs pale-testaceous; antennae testaceous, with the middle black. (L. 2½-3½ l.) Fungi, rotten trees, &c., London district; Netley; Kimpton; Swansea, &c. : 5-6.

1071 atomarius Fab. E. ii. 568. — Don. xv. pl. 538. f. 2. — Ste. M. iii. 85. — Rusty-brown; above black; head pitchy: elytra punctate-istrate; with a humeral spot, several scattered spots on the disc, and a short curved band across behind the middle, testaceous; antennae with the terminal joint short, ovate. (L. 2-2½ l.) Fungi: New Forest; Bristol; Netley; Bath, &c.: 5-6.

1072 multipunctatus Fab. E. ii. 568. — Don. xv. pl. 538. f. 1. — Oblong; rusty-piceous, slightly pubescent; thorax punctate, with a faint dorsal channel; elytra finely punctate-istrate, with numerous (10-12) testaceous spots and markings on the disc, and a large rounded one at the apex; legs and antennae pale red. (L. 2-2½ l.) Fungi: Coombe Wood; Bristol; Netley; Swansea; Devon: Norfolk, &c.: 5-6.

1073 variabilis Schneid. M. (Hellowig) iv. 397. — Ste. M. iii. 86. — My. piceus Cur. iv. pl. 156. — Pitchy-rust-colour, or black: elytra faintly punctate-istrate, slightly pubescent, the base with a broad rusty belt, in which is a squarish dusky spot; behind the middle is a short testaceous band, varying considerably in different individuals, and near the tip a round dot; legs and antennae dull red, the terminal joint of the latter rather long and pale. (L. 2-2½ l.) Fungi, on oak, &c.; Copenhagen fields; Bristol; Norfolk; Suffolk; Netley; Swansea: 5-6.

1074 Populi Fab. E. ii. 570. — Ste. M. iii. 86. — Rusty-red; slightly pubescent, and punctated; elytra pale, faintly punctate-istrate, with an obscure band in the middle, and a patch at the apex, fuscous; the latter with an obsolete pale spot; legs and antennae pale rusty-red. (L. 2 l.) Fungi, London district: 6.

1075 pubescens Ste. M. iii. 87. — Pitchy-black; very pubescent, finely punctate; elytra rather pale, with an obscure rusty band at the base, a short one behind the middle; the apex and the lateral margins also rusty; legs and antennae pale dull red; the latter with the last 4 joints forming a rather abrupt club. (L. 2 l.) Near Portsmouth: 6.

179 TETRATOMA Herbst.

1076 Fungorum Fab. E. ii. 574. — Pz. F. ix. f. 10. — Ste. M. iii. 91. — Shining testaceous-red, thickly punctured; head black; mouth and labrum
testaceous; elytra shining blue-black, irregularly punctured; antennae testaceous-red, with the club black. (L. 1½-2 l.) Under bark, &c., Coombe Wood; Walthamstow; Netley; Norfolk; Jedburgh in Scotland, &c.; 2-6.

1077a Ancora *Fab. E.* ii. 575. — *Cur.* iii. pl. 123. — *Ste. M.* iii. 91. — Head and thorax testaceous; punctured, eyes black; scutellum testaceous; elytra brown-black, deeply punctured, with a large common lobate pale spot on the disc, and several small ones on the base and on the margins; legs and antennae testaceous, club fuscous. (L. 1½ l.) In moss, &c., Highgate woods; Colney Hatch; Southgate; Henhault Forest: 12-5.

1078a picta *Ent. M.* (Newman) ii. 202. — *Ste. M.* v. 408. — Black; head fuscous; thorax with the anterior margin rusty; elytra with 10 rusty spots, placed 1 on the shoulder, 1 near the tip of the outer margin, 2 on the disc, and 2 on the suture, common to both. (L. 1½ l.) New castle: 6?.

Fam. 21. EROTYLIDE.

clxxx. *Triplax* Ant. with an elongate, obtuse, 3-articulate club: *palpi* unequal, terminal joint securiform: *body* elongate-ovate, or oblong.


clxxxi. *Ecanus* Ant. with an elongate 3-articulate acute club: *body* somewhat hemispheric.

180 *Triplax* Paykull.

1079 russica *L.* ii. 570. — *Ste. M.* iii. 88. — *Ips nigripennis* *Pz.* F. xxx. f. 7. — Oblong-ovate; rusty-red, shining, glabrous: antennae and eyes black; scutellum and elytra black, the latter faintly punctate-striate; breast blue-black; base of thighs dusky. (L. 2½-3 l.)

Var. *Si. castanea* *Marsh.* i. 122. — *Ste. M.* iii. 89. — Ochreous-yellow; elytra and antennae pale chestnut. Fungi, &c., Coombe and Darenth woods; Bristol; Swansea; Winterborne Stoke; Bottisham; Notts.: 5-6.

1080 enea *Fab. E.* ii. 582. — *Ste. M.* iii. 89. — *Cur.* xv. pl. 706. — Oblong-ovate, shining rusty-red; punctate: eyes black; antennae pitchy; elytra bluish-green, very glossy, punctate-striate; legs reddish. (L. 2 l.) Fungi, &c., Coombe Wood; Meldon Park, &c.: 5-6.

1081 bicolor *Marsh.* i. 122. — *Ste. M.* iii. 89. pl. xvii. f. 4. — Oblong-ovate; rusty-red, punctured; shining: eyes black; antennae rusty at the base, the tip pitchy-brown; elytra black, deeply punctate-striate, interstices punctate: legs and body beneath red. (L. 2 l.) Under bark, &c., Coombe Wood: 6-7.

1082 rufipes *Fab. E.* ii. 582. — *Ste. M.* iii. 90. pl. xvii. f. 5. — Short, ovate, glossy-black; punctured: head, thorax, and legs pale red; antennae red at the base, the club pitchy: elytra punctate-striate. (L. 1½ l.) Windsor; Coombe Wood: 7-8.

1083 ruficollis *De Jean*? — *Ste. M.* iii. 90. pl. xvii. f. 6. — Oblong, black: thorax bright red; elytra faintly punctate-striate, interstices punctured; apex of abdomen pitchy; legs dull red; antennae rusty-chestnut. (L. 2½ l.) Near Windsor: 6.

181 *Tritoma* Fabricius,

1084 bipustulatum *Fab. E.* ii. 571. — *Ste. M.* ii. 158. — *Cur.* xi. pl. 498. — Black, shining; punctate: mouth pitchy; elytra faintly punctate-striate, interstices punctured, at the outer basal angle a large 4-drate bright red
Necrophaga. — Engidae.

spot, sometimes with a dusky spot on the shoulder; tarsi and antennae at base red, club dusky or black. (L. 1½-2½ l.) Under bark, decayed trees, &c., Coombe and Darenton woods; Richmond Park, &c. : 12-6.

182 Ecanus Rudd.

1085† glaber Ph. F. iii. 335. — Ec. striatus Ste. Nom. 2d edit. col. 31.? — Ovate; black; shining; glabrous; elytra striate; antennae and legs pitchy. (L. 2 l.) New Forest: 5?

Fam. 22. Engidae MacLeay.

cxxxv. Synchita Ant. 10-jointed; club 1-jointed, with an acute prominence at the tip: tho. with the margins on all sides elevated: body elongate, rather convex: elytra entire: tarsi 4-jointed.
cxxxvii. Cryptophagus Ant. 11-jointed; club 3-articulate, not compressed: mand. bifid at the tip: tho. with the sides crenulated: body ovate, rather convex: tarsi simple, 5-jointed; heteromeronous in ♂.
cxxxviii. Antherophagus Ant. 11-jointed, basal joint stout, 2d slender, as long as the 3d; club 3-articulate; joints transverse: tho. with the margins entire: body oblong-ovate, flattened: tibiae dilated at the tips: tarsi simple, 5-jointed; heteromeronous in ♂.
cxxxix. Monotoma Ant. 10-jointed; club large, 1-jointed, with a terminal appendage: tho. narrower than the elytra, crenulated on the sides: body oblong, slightly ovate, flat: elytra truncate: thighs robust: tarsi 4-jointed.
cxc. Broma Ant. 11-jointed; club 2-articulate: mand. concealed: tho. carinated, 4-drate, its sides entire: body oblong, flat: elytra ridged, entire: tarsi 4-jointed.
cxc. Nemosoma Ant. 10-jointed; club 3-articulate: maxillae with a single pilose lobe: head as large as thorax; the latter narrowish behind: body very long, slender, cylindric: tarsi 4-jointed.
cxcii. Lycus Ant. 11-jointed; club 2-articulate, terminal joint acute: mand. exposed: tho. somewhat 4-drate, disc with a deep channel, sides crenulated: body elongate, flattened: elytra entire: tarsi 4-jointed.
cxciv. Xylotrogus Ant. 11-jointed; club 2-articulate, terminal joint obtuse: mand. slightly exposed: tho. rather elongate, narrowed behind, the sides entire: body elongate, somewhat cylindric and convex: elytra entire: tarsi 4-jointed.
cxcv. Lissodema Ant. 11-jointed, 2 basal joints larger than 3d; club 3-articulate, long, robust: tho. orbicular, with the sides denticulated: body elliptic, convex: elytra very long, entire: tarsi heteromeronous.
cxcvi. Annomatus Ant. 10-jointed; club 1-articulate, with a terminal ap-
pendage: head wide: tho, with sides dilated, entire: eyes wanting; elytra flattish, entire: tarsi 4-jointed.


exviii. Tribolium Ant. 11-jointed; club 3-articulate: tho. transverse: body somewhat linear, flattish: tarsi 5-jointed, 4th joint minute.


183 Engis Latreille.

1086 rufifrons Fab. E. i. 46. — Pz. F. xxxvi. f. 19. — Ste. M. iii. 92. — Pitchy-black, shining, glabrous; thickly punctulate: head dull red, mouth fuscous; elytra punctate- striate, with an ovate rusty red spot at the base, and a patch of the same hue at the tip; apex of the abdomen, legs, and antennae dull red, club pale. Varies (according to maturity) from pale testaceous to deep black. (L. 1 1/2 l.)

Var.? En. angustata Kirby. — Ste. M. iii. 92. — Narrow, elongate, and slender; above pale immaculate testaceous, the elytra sometimes slightly clouded with dusky. Boleti, &c. London district; Bottisham; New Forest; Norfolk; Suffolk; Devon; Nottinghamshire; S. Wales, &c.: 5-6.

1087 scanica L. ii. 564. — Pz. F. iv. f. 9. — Ste. M. iii. 92. — Glossy-black: head and thorax red; eyes black; elytra finely punctate-striate, with a small oval red spot on the shoulder; tip of the abdomen, legs, and antennae red. Varies in colour, like its congener. (L. 1 1/2-1 3/4 l.) Fungi, &c., London district; also in Suffolk and Norfolk: 5-6.

184 Ips Herbst.

1088 4-guttata Fab. E. ii. 580. — Pz. F. iii. f. 18.— Ste. M. iii. 93. — Rather convex, wide, black, shining: thorax 4-drangular; elytra with a 3-lobed yellowish, or ochreous, spot at the base, and 2 red transverse-ovate ones (nearly divided in the centre) behind the middle; legs and antennae pitchy-chestnut; club dusky. (L. 1 3/4-2 1/2 l.) Windsor and New Forest; under bark of felled oaks: 5-6.

1089 4-pustulata L. ii. 570. — Oliv. ii. pl. 3. f. 22. — Ste. M. iii. 93. — Linear-elongate, flattish; black, finely punctured: thorax transverse 4-drate; elytra with 2 red spots, the basal one sinuated and 3-lobed, the other transverse-ovate; antennae and legs black; tarsi pitchy. (L. 2 1/2 l.) Bexley; Coombe; Windsor; West Farley; Bottisham; Raehills, &c.; under bark of sallow: 5-6.

1090 4-punctata Herbst. iv. 165. pl. 42. f. 2. — Ste. M. iii. 94. — Cur. vii. pl. 306. — Somewhat ovate, flattish; glossy black, finely punctured: elytra with 2 ovate reddish spots, one of them at the base, the other, placed transversely, near the apex; legs pitchy-chestnut; tarsi paler. (L. 2 1/2-3 1/2 l.) Windsor; New Forest; under bark of birch: 5-6.

1091 6-pustulata Ste. M. v. 408. — Broad; rather flat; shining black; punctured; the punctures coarse on the elytra, the latter with 2 ovate spots near the shoulder, placed obliquely; and a large transverse one near the apex on the disc; legs pitchy. (L. 3 1/2 l.) Near London: 6.

1092 ferruginea L. ii. 564. — Ste. M. iii. 94. — Ly. dermestoides Pz. F.
viii. f. 15. — Linear-elongate, somewhat cylindric; pale ferruginous, shining; thickly punctate; head dusky; eyes black; elytra with a single stria at the suture; club of antennae dusky. (L. 2½-2¾ l.) Norwich; Manchester; Rachills; under bark of pine trees: 5.

185 Synchita Hellwig.

1093 Juglandis Fab. E. ii. 561. — Ste. M. iii. 96. — Mo. striata Herbst. v. pl. 46. f. 1. — Obscure, dull fuscous; rough, finely punctured; head blackish; mouth and labrum testaceous; eyes black; anterior edge of the thorax, and the base of the elytra indeterminately obscure testaceous; elytra rather deeply crenate-striata, alternate interstices with a row of hairs; legs and antennae rusty. (L. 2 l.) Under bark; London district: 5.

186 Cicones Curtis.

1094 Carpini Cur. iv. pl. 149. — Ste. M. iii. 99. — Chestnut-black; slightly pubescent; punctured: thorax uneven, the base roughly punctured; elytra with 3 raised lines and a punctured stria, with an oblique spot at the shoulder, 3 near the middle, a transverse curved mark, and a 2d near the tip, dull orange; legs dull red; antennae ochreous. (L. 2-2½ l.) Epping Forest; under bark of hornbeam: 3; New Forest: 4-5.

187 Cryptophagus Herbst.

1095 Populi Ph. F. iii. 355. — Cur. iv. pl. 160. — Ste. M. iii. 74. — Oblong-ovate; rusty-brown; thickly punctate; pubescent: eyes black; thorax obtusely bidentate on the sides; elytra dusky or pitchy, the margin rusty or chestnut; legs pale rusty; antennae fuscous, the club dull red. (L. 1½-2 l.) Walsam meadows, near Ripley; Norwich: 3-6.

1096 bituberculatus Kirby. — Ste. M. iii. 74. — Oblong-ovate; rusty-red, rather glossy and pubescent; thickly and coarsely punctulated: thorax with the anterior angle produced laterally into an obsolete tooth, and the sides with a minute one about the middle; the disc with 2 elevated smooth tubercular dots; antennae stout. (L. 1-1½ l.) Fungi; London district; Netley; N. Wales: 4-6.

1097 humeralis Ste. M. iii. 74. — Oblong-ovate; rather convex; rusty-pitchy, punctulated, slightly pubescent: eyes black; thorax with the lateral margins finely denticulate; disc convex; elytra with the base pale testaceous; legs and antennae the same: — elytra sometimes entirely pale. (L. 1-1½ l.) London district: 4-6.

1098 uncinatus Marshall. — Ste. M. iii. 75. — Oblong-ovate; red; slightly pubescent; finely punctured: head with a transverse impressed line; eyes black; thorax with the anterior angles produced into a small recurved hook, the sides with a minute tooth near the middle; elytra and legs testaceous. (L. 1-1¾ l.) London and Ipswich: 4-6.

1099 Marshani Ste. M. iii. 75. — Oblong-ovate; rusty-red; slightly pubescent, and very finely punctulate; thorax with lateral margins sinuate-dentate, the anterior angle produced into a slightly round denticle, and the middle with an angular projection; legs and antennae deep rusty-red, the latter stout. (L. 1½ l.) London district: 4-6.

1100 Lycoperdi Herbst. iv. 176. pl. 42. f. 13. — Ste. M. iii. 75. — Oblong-ovate; rusty-brown, very deeply punctured, and clothed with a long pubescence: eyes black; thorax with the edges dusky, the anterior angle very acute, and the sides with a minute acute tooth in the middle; elytra with the punctures somewhat disposed in lines; legs pale testaceous; an-
tendae brownish; club paler. (L. 1-1½ l.) In Lycoperdon Bovista, near Guildford: 9; Swansea: 4-8.


1102 fumatus Marsh. i. 110. — Ste. M. iii. 76. — Oblong-ovate; testaceous; finely but thickly punctured; slightly pubescent: thorax somewhat 4-drate, the lateral margins nearly straight, with an obtuse tooth at the anterior angle, and a minute one in the middle; elytra ovate; body obscurely testaceous beneath; legs paler. (L. 1 l.) Houses, &c., London district: 4-6.

1103 Ulies Kirby. — Ste. M. iii. 76. — Oblong-ovate; rusty-red, pubescent; elytra paler, very obscurely punctured, acute at the tip, the punctures towards the suture slightly disposed in lines; thorax short, anterior angle forming an obtuse recurved tooth, the middle of the sides with an obscure tooth, the space thence to the base finely crenulated; legs and antennae pale rusty-red. (L. ¾-1 l.) On furze; London district, and in Suffolk: 4-6.

1104 Abietis Ph. F. iii. 356. — Ste. M. iii. 77. — Der. Vini Pz. F. xl. f. 4.? — Rather oblong and convex; rusty-red; thickly punctate and pubescent; thorax broader anteriorly than long, narrowed behind, the lateral margin with the anterior angle produced into an obtuse tooth, thence to the hinder angle finely crenated; elytra elongate; legs and tip of the antennae pale testaceous. (L. 1-1½ l.) On spruce fir, near London; Bristol; Swansea, &c.: 4-6.

1105 cellaris Ph. F. iii. 356. — Ste. M. iii. 77. — Oblong-ovate, rusty-brown; slightly punctate and punctate: thorax short, the anterior angle produced into an oblique sharp tooth, the sides in the middle with an acute prominent one, thence to the hinder angle finely crenulated; scutellum black; elytra acute at the apex, entirely black or testaceous, sometimes with the base dull red; legs pale testaceous. (L. 1-1½ l.) Houses &c., Hertford; Ensham, Oxon.: 4-8.

1106 serratus Gyll. i. 171. — Ste. M. iii. 78. — Oblong-ovate; rusty-brown; pubescent; deeply punctate: thorax somewhat 4-drate, the sides a little rounded, and serrated, the base rough; elytra punctulate, pitchy-brown, the tip paler; body pitchy-black, paler at the apex; antennæ and legs pale rusty-red. (L. 1 l.) London district; Swansea: 4-6.

1107 ruificornis Ste. M. iii. 78. — Oblong-ovate; pitchy-red; coarsely punctate, head and tip of the elytra pale: thorax short, the anterior angle produced into a sharp denticle, and the middle of the sides with an obtuse one; elytra punctulate, the punctures somewhat disposed in lines; legs dull red; antennæ bright red. (L. 1 l.) London district: 4-6.

1108 Caricis Gyll. ii. iv. — Ste. M. iii. 79. — Oblong; black; clothed with an ash-greenish silken pile; thickly punctured: thorax rather long, hinder angles acute, the sides regularly dilated and rounded, and obsoletely crenulated, disc very convex; legs short, pale rusty-red; tarsi brownish. (L. 1-1½ l.) In Carices, near London; Swansea, &c.: 5-8.

1109 Typhae Fall. Obs. E. iii. 16. — Ste. M. iii. 79. — Oblong; black; clothed with an ash silken down; finely punctured: thorax short, transverse, round behind, the angles rather prominent, the sides obscurely crenulated; legs, tarsi, and antennæ pale testaceous. (L. 1-1½ l.) Aquatic plants, especially the bulrush; near London; in Cambridgeshire; N. and S. Wales: 5-8.

n 3
188 Antherophagus Megerle.

1110 pallens L. ii. 675. — Mart. C. pl. 39. f. 3. — Ste. M. iii. 72. — Dull ochreous-red; slightly pubescent; head and thorax rather coarsely punctured, the latter transverse, rectangular, disc convex; elytra paler than the thorax; legs the same, with the base of the tibia fuscous; \( \theta \) with antennae shorter and black, with the base and apex pale; tibiae black at the base, and the hinder tarsi 4-jointed. (L. 2\( \frac{1}{2} \).) On flowers; London district; Swansea; Bottisham; Devon, &c.: 4-6.

1111 silaceus Herbst. iv. 169. pl. 42. f. 7. — Ste. M. iii. 73. — Testaceous-yellow; slightly pubescent; head and thorax finely punctured; the latter transverse, rectangular; elytra slightly punctured, deep testaceous, with a short stria near the suture; abdomen ferruginous: legs pale, with the base of the tibiae obscure; \( \theta \) with intermediate joints of antennae dusky-brown, the base of tibiae black, and hinder tarsi 4-jointed. (L. 2\( \frac{1}{2} \)-3.) Flowers; London district: 4-6.

1112 similis Cor. xii. pl. 5-46. — Ochreous; head and thorax somewhat ferruginous, deeply punctured, the latter transverse; elytra silky, very minutely punctured, obscurely striated towards the suture; base of tibia chestnut; \( \theta \) with the antennæ pitchy; \( \delta \) with intermediate joints of antennae dusky-brown, the base of tibiae black, and hinder tarsi 4-jointed. (L. 1\( \frac{1}{2} \).) Rare: London district, and near Dover: 4-6.

1113 glaber Gyll. i. 178. — Ste. M. iii. 73. — Testaceous-red, glabrous, slightly flattened; head smooth, rusty-red; eyes black; thorax faintly notched in front, truncate behind, the sides rounded and slightly waved, disc smooth, rusty-red; elytra impunctate; legs pale testaceous. (L. 1\( \frac{1}{2} \).) Rare: London district, and Scotland; in nests of Bomby (humble bees): 4-6.

189 Monotoma Herbst.

1114 pieipes Herbst. v. 24. pl. 45. f. 10. — Ste. M. iii. 102. — Black; opaque; slightly hispid: antennæ and legs rusty-red; thorax oblong-4-olate, its lateral margins finely crenate, the disc with 2 oblong foveoles at the base; elytra crenate-striate, interstices transversely wrinkled. (L. 1-1\( \frac{1}{2} \).) Under bark, &c., Battersea fields; Petworth; Devon; Cramond, &c.: 7-4.

1115 angustata Marsham. — Ste. M. iii. 102. — Narrow; pitchy-black, shining; finely punctured: thorax oblong, with 2 approximating foveoles at the base; elytra very obsoletely striated; legs and antennæ dull red. (L. 2\( \frac{1}{2} \).) Rotten wood, &c., near London, and in Suffolk: 5-6.

1116 pallida Ste. M. iii. 103. — Narrow; pale testaceous; slightly shining; head pitchy; thorax broad, with 2 deep foveoles behind; antennæ and legs pale. (L. 2\( \frac{1}{2} \).) In rotten wood, &c., near London, and in Norfolk: 5-6.

190 Bitoma Herbst.

1117 crenata Pz. F. i. f. 24. — Ste. M. iii. 105. — Cur. vi. pl. 283. — Black; slightly opaque, punctured: thorax with the sides nearly straight, with 2 elevated lines parallel therewith on the disc, which has 2 small foveae towards the base; elytra red, with a black cross; punctate-striate, the alternate interstices elevated; antennæ and legs pitchy-red: — sometimes the elytra are black, with a red dot at the shoulder, and a 2d near the apex; or wholly testaceous. (L. 1\( \frac{1}{2} \)-2.) Little Chelsea; New and Windsor forests; Duddingston: 5-9.

191 Colydium Herbst.

1118 † elongatum Ph. F. iii. 313. — Pz. F. iii. f. 17. — Ste. M. v. 409. — Shining black; thorax with 3 grooves, the disc having 2 raised parallel
119 elongatum L. ii. 561. — Ste. M. iii. 95. — Cur. vii. pl. 327. — Shining black, glabrous; punctate; front with a deep groove; thorax slightly narrowed behind; elytra with the base and a spot within the apex rusty-red; antennæ and legs red. (L. 2 3/4-3 l.) Darent Wood, 6; Sydenham, 3-4; Colwich, near Nottingham: 6.

193 Lyctus Fabricius.

1120 oblongus Oliv. ii. 18. pl. i. f. 5. — Ste. M. iii. 117. — Opaque; deep fuscous or pale brown; pubescent; head roughly punctured; eyes black; thorax with an oblong, broad, short channel in the middle; elytra convex-cylindric, faintly punctate-striate, the interstices with a row of ashy-yellow hairs, producing a lineated appearance; legs pale testaceous. (L. 1-3 1/2 l.) Var. Ly. pusillus Kirby. — Ste. Catal. No. 1007. — Smaller, and of a paler colour; probably the 6. Abundant on palings throughout the London district; Swansea on decaying oaks: 4-6.

194 Xylotrogus Stephens.

1121 brunnus Ste. M. iii. 117. pl. xviii. f. 4. — Elongate; brown; glabrous; head pitchy, delicately punctured; eyes black; thorax pitchy-brown, coarsely punctured, with a broad, shallow, dorsal groove; elytra bright chestnut-brown, finely striate and very faintly punctured; legs and antennæ rusty-piceous. (L. 2 1/2 l.) Dulwich, 7, and Nottingham.

195 Lissodema Curtis.

1122 Heyana Ent. M. (Cur.) i. 187. — Ste. M. v. 409 — Pitchy-chestnut, shining, strongly and rather regularly punctured: thorax with 4 or 5 denticulations on each side, and a fovea near each hinder angle; elytra with numerous regular lines of punctures; mouth, antennae, and legs chestnut. (L. 1 1/2 l.) Near London, and at Ockbrook, Derbyshire: 6.

196 Anommatus Wesmael.

1123 obsoletus Spence. — Ste. M. iii. 98. — Oblong; pale red, or rusty-chestnut; very glossy; glabrous; deeply punctured, especially on the elytra: the lateral margins of the thorax dilated and rounded; legs and antennae pale rust-colour. (L. 3/4-1 l.) Houses: London; Hertford; Hull: 6.)

197 Cerylon Latreille.

1124 histeroides Pz. F. v. f. 16. — Ste. M. iii. 96. — Depressed; black, shining, glabrous; head and thorax punctured: elytra obsolescet punctate-striate, rounded at the apex; body pitchy-black beneath; mouth and labrum dull red; legs and antennæ testaceous-red. (L. 1 1/2-1 1/2 l.) Under bark; London district; Bristol: 6.

1125 pliocorne Marsham. — Ste. M. iii. 97. — Oblong; flattened; pitchy; head and thorax punctured, the latter wide; elytra rather obsolescet punctate-striate; legs red; antennæ ferruginous, the apex paler and pilose. (L. 1 1/2 l.) Under bark of oak; London district: 6.

1129 pieipes Oliv. ii. 18. pl. 2. f. 12. — Ste. M. iii. 97. — Black; shining; head punctured; thorax smooth, very obscurely punctulate; elytra
Necrophaga. — Engr. 

obsolutely striated; antennæ and legs pitchy, or dull red. (L. 1-1½ l.) London district; Suffolk; Norfolk; Swansea: 6.

1127 ferrugineum Ste. M. iii. 98. — Elongate; dull red; rather opaque; antennæ and legs testaceous: thorax oblong, with 2 obscure foveæ towards the hinder margin, disc finely punctured; elytra faintly striate, interstices rough and clothed with short ashy hairs. (L. 1 l.) London district: 5.

198 Tribolium MacLeay.

(1128 castaneum MacLeay, A. I. 47. — Ste. M. iii. 97. note. — Ferruginous: head and thorax finely punctured; elytra punctate-striate; body beneath dull pitchy; legs red; antennæ with the apex pale. (L. 2 l.) In museums; not truly indigenous.)

199 Rhizophagus Herbst.

1129 ferrugineus Ph. F. iii. 326. — Ste. M. iii. 100. — Rusty-red, or pitchy, shining, glabrous; thorax somewhat 4-drate, coarsely punctate; elytra deeply punctate-striate; legs pale testaceous; antennæ with the basal joint fuscous. (L. 2-2½ l.) Under bark of pines; Hertford; Ripley; Swansea; Scotland, &c.: 5-6.

1130 depressus Fab. E. ii. 560. — Rusty-red; glabrous; shining, rather flat: beneath pitchy-red; thorax somewhat 4-drate, finely punctulate; elytra faintly punctate-striate; legs pale testaceous; antennæ wholly ferruginous. (L. 1½-2 l.) Under bark of oak; near London; Hertford; Suffolk, &c.: 5-6.


1132 cribratus Gyll. iv. 637. — Narrow; rusty-red, shining, glabrous: thorax 4-drate, with deep scattered punctures; scutellum smooth; elytra punctate-striate, the punctures remote; legs pale ferruginous; antennæ dusky in the middle, the base and apex rusty. (L. 1½ l.) Under bark: London district: 6.

1133 cylindricus Ste. M. iii. 100. — Cylindric; rust-coloured, shining, glabrous: head rather smooth; thorax elongate-4-drate, somewhat sparingly punctate; elytra deepy punctate-striate; legs pale dull red. (L. 2½ l.) Under bark; London district: 5-6.

1134 rufus Marsham. — Ste. M. iii. 100. — Narrow; rusty-red, shining, glabrous: thorax very finely punctate, disc slightly convex; elytra also a little convex, faintly punctate-striate, the punctures somewhat remote. (L. 2 l.) Under bark; London district; Bottisham: 3-6.


1136 dispar Ph. F. iii. 328. — Ste. M. ii. 101. — Rh. bipunctatus Herbst. v. pl. 45. f. 9. — Linear, shining; colour variable: thorax rather oblong; slightly narrowed at the base, and very finely punctured; elytra punctate-striate, the base and apex more or less rusty-red, the middle with a dark band; antennæ and legs rusty. Occasionally the thorax above and the breast and base of the abdomen are pitchy black. (L. 1-1½ l.) Under bark; roots of grass, &c.; London and Edinburgh districts: 2-6.

1137 parvulus Ph. F. iii. 329. — Ste. M. iii. 101. — Pitchy-black, shining, flattish: thorax somewhat 4-drate, finely punctured; elytra testaceous, sometimes a little clouded with fuscous, punctate-striate; body pitchy beneath, with the tip red; legs and antennæ rusty. (L. 1-1½ l.) Under bark: London district: 5-6.
1138 bipustulatus Fab. E. ii. 561. — Ste. M. iii. 101. — Cur. xiii. pl. 579. — Black, or pitchy-black, shining, glabrous: thorax transverse, a little narrowed behind, punctate; elytra punctate-striate, with a bright rusty spot near the apex, and sometimes a 2d at the base; legs and antennæ rusty, club of the latter palest. (L. 1½-1½ l.) Under bark; roots of grass, &c.; Battersea Fields; Kensington Gardens; Scotland: 12-6.

Fam. 23. CUCUJIDÆ Stephens.

cc. Trogosita Ant. short, gradually increasing in size to the tips, the 4 terminal joints being largest, and compressed: palpi filiform, apical joint ovate, truncate: maxillæ with a single slender lobe: labium entire: somewhat 4-drate: body oblong-ovate: elytra slightly remote from thorax: tarsi 5-jointed.

cci. Cucujus Ant. short, or moderate; moniliform, or elavate; basal joint short: palpi with the terminal joints slightly thickened: maxillæ with a small external process: labium bifid: body oblong, or elongate, very flat: tarsi obscurely 5-jointed; heteromeros in ♂.

ccci. Uleiota Ant. as long as the body, filiform, basal joint longer than the head, 2d joint bent, remainder elongate: palpi filiform: maxillæ with an acute hook within: mand. in the ♂ with a long, curved horn-like process: labium slightly notched: body very flat: tarsi obscurely 5-jointed, the 4th joint very minute.

200 Trogosita Fabricius.

1139 mauritanica L. ii. 674. — Ste. M. iv. 221. — Tr. caraboides Pz. F. iii. f. 4. — Above black, shining; beneath pitchy-black, punctured; elytra faintly punctate-striate; legs and antennæ pitchy-red. (L. 3½-5½ l.) Under bark of pines; Coombe Wood; Houses, at Hertford; Cambridge; London: 5-6.

201 Cucujus Fabricius.

(1140) depressus Fab. E. ii. 93. — Roem. G. pl. 34. f. 25. — Ste. M. iv. 222. note. — Black, rather shining; head, disc of thorax, and the elytra red; lateral margins of thorax denticulated, the disc with 2 grooves. (L. 5 l.) Improperly introduced as British.)

§ B. Biophleus De Jean.

1141 dermestoides Fab. E. ii. 94. — Pz. F. iii. f. 13. — Ste. M. iv. 222. — Rusty-brown; punctured: thorax with 4 foveæ, placed tetragonally, the sides 4-dentate: elytra testaceous, flat; legs pale testaceous-red. (L. 1½-2½ l.) Under bark of oaks; near London; at Hertford, and in New Forest: 5-6.

§ C. Læmophleus De Jean.


1143 Spartii Cur. xi. pl. 510. — Ste. M. v. 421. — Deep pitchy-brown, sometimes of a chestnut hue, minutely punctured; antennæ, mouth, and legs paler: thorax obovate-truncate; elytra with 4 slightly raised lines, interstices with faint punctured lines. (L. 1-1½ l.) Under bark of broom; Coombe Wood: 4-5.

1144 ferrugineus Meyerle. — Ste. M. iv. 223. — Testaceous-red, shining,
immaculate; finely punctured: head as wide as thorax, which is somewhat 4-drate, immarginate, with the sides smooth, the hinder angles prominent; the disc with 2 obscure striae; elytra with 3 faint impunctate striae; legs and antennæ pale testaceous. (L. 1-1") Hertford: 5.

1145 unifasciatus Lat. M. xi. 256. — Zool. J. (Westw.) iv. pl. Sup. xlviii. f.2. — Pale tawny-testaceous: thorax somewhat 4-drate, with 2 faint striae; lateral margin entire; elytra obsolescently punctate-striate, with an obscurely defined brown spot on the disc. (L. 1")


1146 monilicornis Marsham. — Ste. M. iv. 223. — Testaceous-red; head broad; eyes black; thorax finely and sparingly punctured; disc flat; elytra obsolescently striate; legs and antennæ pale testaceous, the latter elongate, filiform, with the 3 terminal joints thickened. (L. 1-1") Old wood; London and Cambridge: 3-6.

1147 testaceus Fab. E. ii. 98.— Ste. M. iv. 224. pl. xxi. f. 6. — Testaceous, shining; eyes dusky; thorax very glossy, somewhat 4-drate, thickly punctured; the sides smooth; elytra spotless, faintly striate; legs pale testaceous, thighs compressed; antennæ very long, filiform, the 3 terminal joints more elongate. (L. 4-1") In flour, &c.; London and Norwich: 5-6.

(1148 minimus Fab. E. ii. 98. — Ste. M. iv. 224. note. — Ferruginous, with the thorax somewhat 4-drate, the sides entire: elytra pale, very smooth. (L. 4") Near, and in, London, in warehouses, &c.: 6.)

202 ULEIOTA Latreille.

1149 planata L. ii. 628. — Br. flavipes Pz. F. xev. f. 4. — Ste. M. iv. 225. — Pitchy-black; opaque; very much punctured: thorax with the sides denticulated, the anterior angles produced; elytra punctate-striate, with an elevated ridge running parallel with the margin; antennæ, legs, and mouth reddish. (L. 3") Very rare: Hermitage, South Lambeth: 6.

Fam. 24. DERMESTIDÆ Leach.

eccii. Dermeutæ Ant. short: club 3-articulate, large, obtuse: palpi filiform; max. shorter than the maxille: body oblong, ovate, clothed with scales: tarsi entire, the basal joint shorter than the 2d.

eccv. MEGATOMA Ant. short: club perfoliate: palpi filiform; max. longer than the maxille, terminal joint ovate, truncate: body elongate, ovate: elytra parallel: tarsi with the 3 middle joints shortest.

eccv. TIRESIAS Ant. very short: club 3-articulate, serrated on the inner side: palpi with terminal joint somewhat secundiform: body ovate, flatish: tho. with a central lobe behind: tarsi with the intermediate joints shortest.

eccv. ATTAGENUS Ant. moderate: club 3-jointed, terminal joint large, very long in ʒ: palpi max. longer than the maxille, with apical joint elongate, ovate, narrowed: body ovate: tho. 3-lobate behind: tarsi with basal joint of poster. pair minute.

203 DERMESTES of Authors.

1150 lardarius L. ii. 561. — Ste. M. iii. 121. — Cur. xv. pl. 682. — Oblong; black: elytra at the base with a very broad dense ash-pubescent band, in which are 3 black dots: body beneath sparingly clothed with an ash pile. (L. 34") In skins, bacon, &c. Generally distributed: 3-8.

1151 murinus L. ii. 563. — Don. xv. pl. 515. — Ste. M. iii. 122. — Oblong; black: marbled above with cinerous; 2 spots on the disc of the
MEGATOMA. — ATTAGENUS. 143

thorax, and the scutellum tawny; breast and abdomen beneath snow white; thighs with a snowy ring. (L. 3-4 l.) In dead moles, birds, &c. Also generally distributed: 4-8.

1152 laniarius Ill. K. i. 85. — Ste. M. iii. 122. — Short, convex; black; smooth; punctate: breast and abdomen with a whitish silken pile; antennae short, rusty-red. (L. 3 l.) Furs; London district?: 4-8.

(1153 vulpinus Fab. E. i. 314. — Ste. M. iii. 123. — De. murinus Pz. F. xl. f. 10. — Oblong; black, above with a short ash pubescence, beneath snow white; thorax with a distinct narrow border of cream-coloured and tawny down on each side; thighs with a white pilose ring. (L. 3-4½ l.) In hides, furs, &c., in kitchens; London and outports: 4-8.

1154 tessellatus Fab. E. i. 315. — Ste. M. iii. 123. — De. murinus Oliv. ii. pl. 1. f. 2.? — Oblong-ovate; black; pubescent: head and thorax varied with ferruginous; scutellum tawny; breast and abdomen beneath snow-white, spotted with black; thighs with a whitish fascia; antenna rusty-brown. (L. 2½-3 l.) Dead oysters; Shoreham, Sussex, 8; Dover, 7.

204 MEGATOMA Herbst.

1155 undata L. ii. 562. — Pz. F. lxvx. f. 15. — Ste. M. iii. 125. — Black; pubescent; minutely punctured, shining: thorax with its hinder angles, and a small dot before the scutellum, clothed with white down; elytra with 2 remote varied bands of white scales, the basal one interrupted; tarsi pitchy. (L. 1½-3 l.) Under bark; London district; York; Swansea: 5-6.

205 TIRESIAS Stephens.

1156 Serra Fab. E. i. 319. — Cur. vii. pl. 244. — Ste. M. iii. 124. — Black, or pitchy (rarely chestnut), shining, thickly punctured, with a short, dusky pile; sides of thorax, tibiae, and tarsi reddish; thighs pitchy; antennae testaceous-yellow. (L. 1½-2 l.) Under bark of willows, &c.; London district; Norfolk: 5-6.

1157 † plantaris Cur. fo. 682. — De. nigripes Pz. F. xcvii. f. 5.? — Piceous: thickly and minutely punctured; middle of antenna and tarsi ochreous. (L. 1½ l.) Near Windsor?

206 ATTAGENUS Latreille.

1158 Pellio L. ii. 562. — Don. vii. pl. 231. — Ste. M. iii. 126. — Ovate; black; pubescent; minutely punctured: thorax with a white pubescent dot on each basal angle, and another before the scutellum; elytra somewhat pitchy, with a conspicuous snow-white pubescent spot on the back; antennae reddish at the base. (L. 1½-2 l.) In skins, furs, &c. Generally distributed: 𝜀.

1159 † 3-fasciatus Fab. E. i. 313. — Cur. vii. pl. 247. — Ste. M. iii. 127. — Ovate; fusceous-black; glossy, clothed with decumbent hairs, and minutely punctured: thorax with the hinder margin, except in the middle, ash white; elytra with 3 flexuous bands, composed of an ash-white pile; and a spot of the same near the apex and scutellum; legs and base of antennae testaceous. (L. 1½-2 l.) In birds' skins, and houses; Edinburgh: 3-4.?  

§ 3. Stirps 1. HELOCERA Dumeril.

Fam. 25 BYRRHIDEÆ. Ant. not geniculated, mostly placed during repose in a groove beneath the sides of the thorax; mand. not exposed.

Fam. 26 HISTERIDEÆ. Ant. geniculated, i. e. with the basal joint long, the remainder placed angularly at its tip; mand. rather long, exserted.
Fam. 25. BYRRHIDÆ Leach.

ccvii. Anthrenus Ant. 11-jointed; club somewhat solid, 3-articulate: tho. 3-lobed behind: body orbiculate-ovate, flattish, densely clothed with deciduous scales: tarsi short, compressed; tarsi exposed.

ccviii. Aspidiphorus Ant. 10-jointed; club long, 3-articulate: tho. 3-lobed behind: body somewhat orbiculate, slightly pubescent: elytra rounded at the apex: legs slender; tarsi elongate.

ccix. Trinodes Ant. 10-jointed; club 3-articulate: tho. 3-lobed behind: body ovate, somewhat convex, densely pilose: legs slender, pilose; tarsi longish.

ccx. Limnichus Ant. 11-jointed, longish; 2 basal joints short, stouter than the following; club 4-articulate: tho. waved at the base: body ovate, convex, slightly pubescent: legs short, compressed; tarsi short, stout.

ccxi. Syncalypta Ant. 11-jointed, 3d joint small; club 3-articulate: tho. rounded behind: body ovate, hemispheric: elytra striate, rigidly setose: legs compressed; tarsi elongate.

ccxii. Nosodendron Ant. 11-jointed, 3d joint very long; club large, 3-articulate: tho. rounded behind: elytra punctate, fasciculated: legs short, compressed; tibiae serrated; tarsi short.

ccxiii. Byrrhus Ant. 11-jointed; club 5-articulate, gradually thickened to the tip: palpi with terminal joint truncate: tho. slightly waved behind: body ovate-globose, convex, sericeous: legs short, compressed; tibiae dilated and slightly serrated; tarsi moderate.

ccxiv. Oömorphus Ant. 11-jointed, 8th joint small; club 5-articulate: tho. slightly waved behind: body glabrous, broadly ovate: legs short, compressed; tibiae dilated, ciliated; tarsi short, 3d joint bilobed.

ccxv. Simplocaria Ant. 11-jointed; club 5-articulate: palpi with terminal joint acute: tho. waved behind: body ovate, convex; elytra pilose: legs longish, slender, slightly compressed; tibiae not grooved to receive the tarsi, which are longish.

207 Anthrenus Geoffroy.

1160 Verbesci L. ii. 568. — Ste. M. iii. 129. — An. Scrophulariæ Samou. pl. 2. f. 4. ?— Brown-black; above nearly clothed with luteous-scales, the thorax with a narrow striola in front, a dot behind, and the sides broadly white; the elytra with 3 white bands; body ashy beneath; tibiae and tarsi dusky. (L. 1½ l.) In flowers; London district: 4-7.

Brown-black, irrorated with rusty scales; sides of the thorax and central lobe densely clothed with whitish ones: elytra with 5 bands composed of whitish and tawny scales, irregularly bent and sometimes confluent, and forming a pale spot; tibiae and tarsi reddish. (L. 1½ l.) London district; Bottisham; York; Swansea: 4-6.

1162 varius Fab. E. i. 108. — Ste. M. iii. 130. — Ashy; with the thorax and elytra varied with fuscous and cinerous scales; body beneath ashy and spotless. (L. 1 l.) London; and Crwmlyn Burrows, near Swansea: 4-6.

Above black; beneath whitish, spotted with black on the sides; sides of the thorax, and 3 irregular flexuous bands on the elytra of white scales; the suture densely covered with bright red scales; tibiae and tarsi reddish; antennæ testaceous, club black. (L. 1½-1½ l.) Rare; near London and Edinburgh: 6.

Above black, varied with red and white scales: elytra densely clothed with
black scales, with a broad snowy-white band before the middle and a white dot near the apex, the tip itself with a few rusty scales intermixed; tibiae and tarsi reddish, antennae rusty-brown. (L. 1½ l.) Near London; in Devon and Suffolk: 5-6.

208 Aspidiphorus Ziegler.

1165 orbiculatus Gyll. i. 242. — Ste. M. iii. 131. — Cur. x. pl. 450. — Black, shining, somewhat pubescent; minutely punctured; elytra very convex, deeply punctate-striate; beneath pitchy-black; breast deeply punctate; legs reddish. (L. 2½ l.) In moss: Ripley; Epping Forest; Southgate; Marton: 6-11.

209 Trinodes Meyerle.

1166 hirtus Fab. E. i. 108. — Pz. F. xi. f. 16. — Ste. M. iii. 132. — Black, or grisco-testaceous, shining, with a translucent appearance; above densely clothed with long hairs, beneath slightly pubescent: legs and antennae testaceous. (L. 1¾-1½ l.) Windsor, and near Exeter: 5-6.

210 Limmichus Ziegler.


211 Syncalypta Dillwyn.

1168 arenaria Stu. D. F. ii. 117. pl. 35. f. E. — Ste. M. iii. 133. — Subglobose; black; slightly glossy; elytra faintly and simply striate; thorax and elytra clothed with short rigid erect whitish capitae setae, placed somewhat regularly on the latter. (L. ½-¾ l.) Sand and chalk pits, near London; in Norfolk, &c.: 4-8.

1169 erectifera Marsham. — Ste. M. iii. 133. — Somewhat globose; black, slightly glossy; elytra nearly smooth; the upper surface clothed with distinct erect white capitae setae. (L. ¾ l.) Chalk-pit, Little Blakenham, Suffolk: 9.

1170 maritima Marsh. i. 105. — Ste. M. iii. 134. — Somewhat ovate; black or pitchy; obscure; clothed above with dusky capitae setae; elytra rather deeply striated; mouth rusty. (L. 1½ l.) Sandy coasts of Norfolk and Suffolk; Southend; Crwmlyn Burrows: 5-6.

1171† setiger Ill. K. i. 95. — Stu. D. F. ii. pl. 35. f. D. — Ste. M. iii. 134. — Short; ovate; dull black; above thickly clothed with short erect rigid capitae setae, disposed in lines on the elytra, which last have 3 flexuous griseous-white transverse bands; body beneath and legs dusky-ferruginous. (L. 1½ l.) Woodland, Devon: 6.

212 Nosodendron Latreille.

1172 fascicularc Fab. E. i. 94. — Cur. vi. pl. 246. — Ste. M. iii. 135. — Somewhat elongate, globose; black, shining; punctate, especially on the elytra, on which are little elevated tufts of obscure pale brown hairs, mostly disposed in rows; legs and antennae chestnut brown; club dusky. (L. 2½ l.) Ashburton; and Southend, under bark of elms: 4-5.

213 Byrrhhus of Authors.

1173 pilula L. ii. 568. — Wood. i. pl. 7. — Ste. M. iii. 136. — Oblong-ovate; brown or black; tomentose: elytra obsoletely striated, clothed
with an asby-brown down, the alternate interstices with black silken stripes, interspersed with white or ash-colour. Variable: — some specimens occur with the dark stripes alone on the elytra; others have the alternate stripes dull-red, or golden-brown; others again are almost wholly black above, and the interstices appear elevated; and, when not quite mature, the abdomen and legs are dull red. (L. 3½-5 l.) Sandy and gravelly places; generally distributed: 3-6.

1174 Dennii Kirby. — Cur. iii. pl. 135. — Ste. M. iii. 136. — Oblong-ovate; black; clothed with a pale golden pubescence: thorax with 2 round black spots in front, and 2 angulated ones behind; elytra with 4 interrupted black stripes, and a broad waved transverse dorsal band; legs and antennae pitchy-black. (L. 4 l.) Hampstead Heath, and chalk-pit at Barham: 4.

1175 fasciatus Forst. C. i. 12. — Ste. M. iii. 137. — By. ornatus Pz. F. xxiv. f. 1. var. — Short, ovate, black; tomentose: thorax clouded with golden pile; elytra with interrupted black stripes, and a transverse double curved rusty-red dorsal band, resembling a crown. Variable: the dorsal band on the elytra is sometimes composed of whitish dots; and the latter are sometimes so remote on the suture as to form a ring, instead of a crown. (L. 3½-4 l.) Sandy, &c., places; generally distributed: 3-5.

1176 oblongus Ste. D. F. ii. 97. pl. 34. f. A. — Ste. M. iii. 137. — Oblong-ovate; pitchy-black; with a fuscous pubescence: thorax spotted; elytra with 3 interrupted black streaks and several distinct white spots, forming 2 transverse waved nearly parallel bands. (L. 4 l.) Hampstead Heath; Wimbledon Common, &c.: 3-6.

1177 dorsalis Fab. E. i. 85. — Ste. M. iii. 137. — By. fasciatus Pz. F. xxxii. f. 1. var. — Short; oval; black; thorax with rusty patches: elytra with black stripes, and across the back an unequal short rust-coloured band, edged on each side with whitish, or ash: these white spots are sometimes almost obsolete; and the thorax is occasionally spotless: and old specimens are entirely black. (L. 3-3½ l.) Gravelly places; near London; Martlesham Heath, Suffolk; Swansea: 4-6.

1178 sericeus Forst. C. i. 16. — Ste. M. iii. 138. — By. varius Pz. F. xxxii. f. 3. — Ovate; black; above brassy-green, clothed with rusty-brown pubescence; slightly variegated on the thorax: elytra striated, green-bronze, the alternate interstices more brilliant and tessellated with black. Variable: sometimes dull obscure blackish-bronze above, and pitchy beneath; or with the abdomen and base of the thighs red. (L. 2½-3 l.) Sandy, &c., places; pretty generally distributed in England; also found at Collinton, near Edinburgh: 4-6.

1179fuscus Marsh. i. 105. — Ste. M. iii. 138. — Ovate; black, or dull fuscous; thorax shining and thickly punctulate; elytra striated, with very obscure spots on the alternate interstices; legs and antennæ fuscous. (L. 2½ l.) Near London, and Holt, in Norfolk: 4.

1180 murinus Fab. E. i. 104. — Pz. F. xxxv. f. 1. — Ste. M. iii. 138. — Ovate, fuscous; black beneath; clothed with griseous pubescence: thorax varied; elytra rusty-brown, with 3 short black silken stripes, and a double row of white spots on the middle of the back, forming a transverse band. (L. 2-2½ l.) Cobham; Martlesham Heath; Beachamwell: 4-6.

1181 æneus Fab. E. ii. 105. — Pz. F. xci. f. 3. — Ste. M. iii. 371. — Oblong-ovate; above shining brassy-green, with an ashy pile, punctured: scutellum whitish; elytra not striated, irregularly punctured; body with a dense ashy pile beneath; antennæ pitchy-black. (L. 2½ l.) Near Edinburgh; near Hawick, in Dumfriesshire; and Sutherland: 4-8.
Oömorphus. — Abreæus.

214 Oömorphus Curtis.

1182 concolor Stn. D. F. ii. 109. pl. 35. f. A. — Ste. M. iii. 139. — Ph. maritimus Ste. M. ii. 197. pl. 15. f. 1. — Ovate; deep shining black, faintly bronzed, and very slightly pubescent: elytra deeply punctate-striate to the tip, interstices finely punctured; 2d joint of antenna sometimes pale orange. (L. 1 1/2 l.) London district, in moss; Dover, common; Bristol and Norfolk: 12-6.

215 Simplocaria Marsham.

1183 semistriata Ill. K. i. 97. — Ste. M. iii. 140. — Cur. vii. pl. 335. — Oblong-ovate, pitchy-black; punctured; pubescent: thorax and elytra somewhat brassy, the latter with a single stria at the suture, and several short ones at the base; legs and antenna pale red. (L. 1 1/2-1 3/4 l.) Grassly places; London district, and S. of England: 4-6.

1184 picipes Oll. ii. 89. pl. 2. f. 9. — Ste. M. iii. 140. — Oblong, blackish-brass; shining: thorax with a griseous pile; elytra elongate, narrowed at the tip, rather deeply striate nearly to the apex, interstices minutely punctured; legs and antenna testaceous-red. (L. 1 1/2 l.) London district; Bristol; Swansea: 4-6.

Fam. 26. Histeridæ Leach.


cexvii. Onthophilus Body subquadrate: mand. retracted: prosthern. broad, truncate in front, slightly notched behind: elytra (and tho.) deeply sulcate: legs elongate, slender; tibiae all rounded, entire.


cexx. Dendrophilus Body oval, or somewhat globose, slightly convex: mand. porrect: prosthern. rounded behind: elytra faintly striated; striae mostly abbreviated; tibiae broad, angulated without, 4 poster. with 1 row of spines.


216 Abreæus Leach.

1185 globosus Ent. H. i. 100. pl. 2. f. 1. — Ste. M. iii. 142. — Globose; pitchy-red; finely punctate; thorax considerably narrowed in front; elytra nearly as long as the abdomen, distinctly truncate at the apex: 4 hindr tibiae linear and slender, anterior pair dilated in the middle. (L. 1 3/4-2 l.) Garden refuse; near London; Norwich; Netley: 4-6.

1186 minutus Fab. E. i. 90. — Ph. M. H. 87. pl. 8. f. 1. — Ste. M. iii. 142. — Somewhat round; pitchy; shining, very obsolutely punctate:
thorax slightly narrowed in front; elytra moderately convex, the sides dilated, shorter than the abdomen, the apex obliquely truncate; tibiae all linear, anterior pair slightly bowed and a little dilated externally. (L. 1½ l.) In dunghills, &c.; near London; Norwich; Devonshire; Swansea: 4-6.

217 Onthophilus Leach.

1187 striatus Forst. C. i. 11. — Ph. M. H. 100. pl. 11. f. 1. — Ste. M. iii. 143. — Black; slightly shining; thorax and elytra with 6 raised lines, the suture also elevated; interstices delicately striate and punctured; antennae black, club dusky. (L. 3½ l.) In dung, pretty generally distributed in England; also near Edinburgh: 4-6.

1188 sulcatus Fab. E. i. 89. — Ste. M. iii. 143. — Cur. v. pl. 220. — Dull black; head and thorax punctate, the latter with 5 raised lines; elytra with 3 lines and the suture much elevated, interstices with 4 finely raised ridges, the alternate ones sparingly punctate; mouth and antennae dull red, basal joint of the latter black. (L. 1¼-1½ l.) Coombe Wood; Notts; Norfolk; W. of England: 4-6.

218 Hister of Authors.

§ A. Thorax with 2 striae on the sides.

1189 Marshami Ste. M. iii. 144. pl. 18. f. 5. — Elongate, 4-drate; deep glossy black; flattish; elytra with 6 obsoletely punctured striae, the sutural 1 shortened at the base, 4 next entire, 6th on the outer angle, short and impunctate; anter. tibiae 3-dentate; 4 poster. with numerous chestnut spines. (L. 3½ l.) Near London?

1190 merdarius Ent. H. i. 39. pl. 1. f. 3. — Ste. M. iii. 144. — Oblong 4-drate; shining black; thorax with the space between the lateral striae thickly punctured; elytra with 2 short sutural striae, 3 entire ones beyond, and 1 shortened on the margin; anter. tibiae 4-dentate; antennae with club rusty. (L. 3 l.) In dung, &c.; Copenhagen fields; Battersea fields; Sherwood Forest; and in Herefordshire: 4-6.

1191 unicolor L. ii. 567. — Wool. i. pl. 5. — Ste. M. iii. 145. — Somewhat ovate, and rather convex; deep glossy black; elytra with the outer lateral stria short; elytra with 3 short sutural striae, the central one shortest, then 3 entire ones, and an abbreviated, interrupted one on the margin; anterior tibiae 3-dentate, outer tooth bifid. (L. 2½ l.) In carecases, dung, &c.; generally distributed: O, ∗.

1192 cadaverinus Ent. H. i. 34. pl. 1. f. 2. — Ste. M. iii. 145. — Rather ovate and convex; deep shining black or pitchy-brown; thorax with the inner lateral striae remote from margin and waved; elytra with 2 short sutural striae, then 5 nearly entire, the 2 nearest the suture not quite reaching to the base; anterior tibiae with 5 or 6 small denticulations on the outer edge. (L. 2-4 l.) In carecases, &c.; also generally distributed: O, ∗.

1193 4-maculatus L. ii. 567. — Ste. M. iii. 146. — Cur. x. pl. 470. — Oblong 4-drate; black; slightly glossy; thorax with the outer lateral stria very short; elytra flattish, with 4 faint bent striae, the outer one shortened; on the shoulder is a large crescent-shaped red patch, frequently divided in the middle, and sometimes half or wholly obliterated; anterior tibiae 3-dentate, outer tooth entire; club of antennae rusty. (L. 3½-4½ l.) In carecases, &c.; coasts of Kent, Sussex, and Hants: 5-7.

1194 sinuatus Ill. K. i. 57. — Ste. M. iii. 146. — Hi. 4-maculatus Don. xv. pl. 525. — Somewhat rounded, glossy black; thorax with the outer lateral stria short; elytra slightly convex, with 3 very faint and very short
sutural striae, the 1 nearest the suture longest, then 3 entire ones, but not any lateral one; on the shoulder is a broad, bright red, curved spot, reaching from the base nearly to the apex; anterior tibiae 3-dentate, outer tooth bifid. (L. 2½-3½ l.) In carcases, &c.; Dartford Heath; Swansea; Kingsbridge; Carlisle, &c.: 5-6.

1195 4-notatus De Geer, iv. 344. — Ph. M. II. pl. 12. f. 3. — Ste. M. iii. 147. — Rounded, broad; glossy black: thorax with both lateral striae entire; elytra flatish, with 2 entire striae towards the margin, and an indistinct one within, leaving a broad space between it and the suture; on the shoulder is a square red dot, and an oblique one on the disc, at times united to the former; anter. tibiae with 4 teeth, outer one bifid; club of antennae rusty. (L. 2½-3½ l.) In carcases, &c.; Bristol, and W. of England: 5-6.

§ B. Thorax with 1 stria on the sides.

1196 parvus Marsh. i. 93. — Ste. M. iii. 148. — Hi. bi-6-striatus a. Ph. M. II. 32. pl. 3. f. 3. — Shining black: thorax with a very short stria at each anterior angle, and a waved one within reaching nearly to the base; elytra with 6 striae, the 2 inner more or less shortened at the base; legs pitchy; anter. tibiae 3-dentate, outer tooth bifid. (L. 2-2½ l.) In carcases, &c.; London district; Netley; Swansea; Birmingham: 4-6.

1197 corvinus Germ. — Ph. M. pl. 3. f. 4. — Ste. M. iii. 148. — Deep black, shining: thorax with lateral stria waved; elytra with 6 striae, the 2 inner short, the sutural one longest; antennae and legs rusty-red; anter. tibiae 4-dentate. (L. 2 l.) In carcases, &c.; London district; near Hertford: 4-6.

1198 bimaculatus L. ii. 567. — Ph. M. II. pl. 3. f. 6. — Ste. M. iii. 148. — Flatish; black, shining: thorax with a small rounded fovea on each side near the anterior angle; elytra with the apex diagonally from the shoulder to the tip of the suture bright red, the disc with 6 punctate striae, the sutural one not reaching to the base: tibiae, tarsi, and antennae rusty; anter. tibiae 4-dentate. (L. 1½-2½ l.) In carcases, &c.; London district; Netley; Swansea; Carlisle; Newcastle; Scotland: 4-8.

1199 12-striatus Ph. M. H. 36. pl. 3. f. 5. — Ste. M. iii. 147. — Shining black: forehead with a straight stria; elytra with 6 nearly equidistant striae, the sutural one united to the 2d at the base, and enclosing an elliptic space; anterior tibiae 3-dentate, outer tooth bifid; club of antennae rusty. (L. 2 l.) In carcases, &c.; London district; Oxford; Swansea; Birmingham; Burnham; &c.: 4-6.

1200 14-striatus Gyll. i. 83. — Klug Jahr. (Erich.) i. 152. — Somewhat ovate; deep black, shining: forehead equal, with a stria, which is inflexed in the middle; thorax with 2 faint foveae near the anterior angles; elytra with 6 entire equidistant punctate striae, and a short humeral one; anter. tibiae 3-dentate, outer one slightly bifid; antennae pale rusty at the apex. (L. 2 l.) In carcases, &c.; London district: 4-6.

1201 nigrita Ste. M. iii. 149. — Rather oblong; deep black: thorax with the lateral striae rather close to the margin; elytra with 2 short sutural striae; the outmost one shortest, then 4 entire ones, but not any marginal one; anter. tibiae with 5 teeth, outer one bifid. (L. 2 l.) In carcases, &c.; London district: 4-6.

1202 stercorarius Ent. M. i. 57. pl. 1. f. 5. — Ste. M. iii. 149. — Oblong-ovate, black and very glossy: thorax with lateral stria remote from the margin, and recurved at the base; elytra with 3 very short sutural striae, then 3 impunctate entire ones, and a short one in the middle of the margin, the reflexed portion of the latter with a smooth elongate fovea;
tibiae all 4-dentate, anterior with middle teeth stoutest. (L. 2-3 l.) In
carcases, &c., London district; S. of England; S. Wales, &c.: 4-6.

1203 neglectus Zeker. — Germ. M. i. 120. — Ste. M. iii. 150. — Oblong-

ovate, deep black and shining: thorax with lateral strie entire, straight:
elytra flattish, with 2 short sutural and 5 entire strie, the outer one rather
flexuous and faint; anter. tibiae with 5 obtuse teeth; antennæ pitchy,
or red at the base, club dusky. (L. 3 l.) In carcases, &c.; generally
distributed in the South; Notts; Forfarshire: 4-6.

1204 Leachii Ste. M. iii. 150. — Slightly convex; black, shining: thorax
with the lateral strie short; elytra with 2 sutural striæ of equal length —
half that of the elytra — then 4 entire ones, and a short marginal one;
the 5 last slightly punctate; anterior tibiae 5-toothed; antennæ pitchy,
club black. (L. 2½ l.) In carcases, &c., London district; Bristol:
4-6.

1205 carbonarius Ent. M. i. 54. pl. 1. f. 4. — Ste. M. iii. 150. — Deep
shining black; or chestnut-brown: thorax narrowed in front, with the
lateral strie entire and curved; elytra with 2 very short sutural striæ, then
4 entire, the 1st of which is sometimes shortened at the base; and 1 on
the margin, the reflexed margin of the latter with an oblong deeply pun-
tured fovea; anter. tibiae with 5 or 6 denticulations. (L. 2-3½ l.) In
carcases, &c.; generally distributed in England; also near Edinburgh:
4-6.

1206 quisquillus Ste. M. iii. 151. — Very glossy black: thorax with the
lateral strie remote, and not reaching to the base; adjoining their termina-
tion on each side is a deep rounded fovea; elytra with 3 short sutural
stria, and 4 entire ones; anter. tibiae 4-dentate; club of antennæ dusky.
(L. 2½ l.) In carcases, &c., London district; Bristol; Swansea: 4-6.

1207 Kirbii Ste. M. iii. 151. — Shining black: thorax with the lateral strie
close to the margin, and short; elytra with 2 short sutural striæ, 4 entire
ones, arranged in pairs, and 1 short on the margin; anter. tibiae 5-dentate,
the outer tooth bifid. (L. 3 l.) In carcases, &c., London district; Carl-
isle: 4-6.

1208 purpuraseens Fab. E. i. 87. — Ph. M. II. 38. pl. 3. f. 7. — Ste. M. iii.
152. — Convex; shining black: elytra with 2 shortish sutural striæ,
4 entire ones, and a short marginal one; the disc with an undefined red
spot, varying in size, and rarely obliterated; anterior tibiae 5-dentate.
In carcases, &c.: generally distributed; less common in S. Wales and
near Edinburgh: 3-7.

1209 castanipes Kirby. — Ste. M. iii. 152. — Black, slightly shining; rather
convex: elytra with 1 stria near the suture about 3/4 the length of the
elytra, next 1 very short one, then 5 entire ones; legs pitchy-chestnut;
anter. tibiae waved without; antennæ rusty. (L. 2½ l.) In carcases, &c.,
near London; Notts; and Suffolk: 4-6.

1210 caliginosus Ste. M. iii. 152. — Rather oblong, deep glossy black:
thorax with a faint bent stria on the anterior angles, the lateral one punc-
tate; on the sides and base some remote impressions; elytra with 1 short
sutural stria, then 2 half the length of the 1st, and united at the apex,
then 3 entire ones, and a short basal one on the margin; anter. tibiae
5-dentate; outer tooth bifid; club of antennæ rusty. (L. 2½ l.) In
carcases, &c., near London: 4-6.

219 Saprinus Erickson.

1211 nitidulus Fab. E. i. 85. — Samou. pl. 2. f. 1. — Ste. M. iii. 153. —

Ovate, bronzed-black; shining; forehead and sides of the thorax punc-
tured; disc of the latter smooth: elytra with the hinder half thickly and
flately punctate, the anterior impunctate, with 5 short, oblique punctate-
striate, the spaces between the 3d and 5th obliquely wrinkled; legs pitchy-
black; anterior tibiae slightly crenate-dentate. Elytra sometimes punctu-
tured and wrinkled throughout, with the usual striae almost obliterated.
(L. 2-3 l.) In dung, &c.: generally distributed in England and Scot-
land: (8,) *

M. H. 70. pl. vi. f. 4. — Ovate, brassy-black; finely punctulate: disc of
thorax very smooth, glossy; elytra with a single sutural stria, recurved at
the base, and enclosing a highly polished bright impunctate space, a small
spot between this and the shoulders, and the latter also, polished and im-
punctate; legs pitchy. (L. 1\(\frac{1}{2}\)-2 l.) In carcases, &c., S. Wales: 4-6.

1213 4-striatus Ph. M. H. 71. pl. vi. f. 5. — Ste. M. iii. 154. — Ovate,
convex; bluish-black; punctured; disc of the thorax, and a broad space at
the inner base of the elytra impunctate, the latter divided by a sutural
stria, which is recurved, next stria very short, followed by 3 other longish
ones, the space between which is obliquely punctate-strigose; anterior
thorax crenulate. (L. 1-1\(\frac{3}{4}\) l.) In dung, &c.; common in England and
Scotland: 4-8.

1214 crenatus Fab. E. i. 88. — Ph. F. 68. pl. vi. f. 6. — Ste. M. iii. 154. —
Ovate; brassy or black; punctured; disc of thorax, and a broad space at
the inner base of the elytra impunctate, the latter divided by a sutural
stria, which is recurved, next stria very short, followed by 3 other longish
ones, the space between which is obliquely punctate-strigose; anterior
thorax crenulate. (L. 1-1\(\frac{3}{4}\) l.) In dung, &c., N. Wales: 4-6.

1215 conjungens Ph. M. H. 65. pl. vi. f. 1. — Ste. M. iii. 155. — Ovate;
brassy-black, or greenish: forehead, lateral margin, and extreme base of
thorax and tip of elytra alone punctate; the elytra with 5 striæ extending
beyond the middle, the internal one recurved; legs pitchy; anterior tibiae
5-dentate. (L. 1\(\frac{1}{2}\) l.) In dung, &c., N. Wales: 4-6.

1216 maritimus Ste. M. iii. 155. — Oblong-ovate; black: thorax very
smooth, the extreme base punctured; elytra with a sutural stria and 4
short ones, extending beyond the middle of the disc, the 1st of them united
to the sutural one at the base; the apical portion of the elytra thickly and
coarsely punctured; anterior tibia 4- or 5-dentate; club of antennae
pitchy. Sometimes the space between the sutural and 2d stria is entirely
rugged. (L. 1\(\frac{1}{2}\)-1\(\frac{5}{4}\) l.) In carcases, &c., on the coasts; Essex; Nor-
folk; Suffolk; Yorkshire; S. Wales, and Edinburgh: 4-7.

1217 semistriatus Ste. M. iii. 156. — Convex; black, obscure; punctured:
thorax with the disc smooth behind; elytra with the base smooth, the
usual recurved sutural stria and 3 equidistant ones, the 3d longest, followed
by a very short one, apex punctured within; anterior tibiae waved. (L.
1\(\frac{1}{2}\) l.) In dung, &c., Bristol: 4-6.

1218 metalicus Fab. E. i. 89. — Ph. M. H. 67. pl. vi. f. 3. — Deep violet-
black, or greenish, with a metallic tint: forehead with 2 wrinkles; thorax
punctate, disc smooth behind; elytra with the apex punctured within, the
disc with the usual sutural stria and 4 abbreviated ones, extending rather
beyond the middle; anterior tibiae 5-toothed. (L. 1\(\frac{1}{4}\) l.) In carcases,
&c., coasts of Norfolk, Suffolk, and Crumlyn Burrows: 4-6.

1219 violaceus Marsh. i. 96. — Ste. M. iii. 157. — Ovate; violaceous:
thorax with its entire disc punctate; elytra with the base smooth, the apex
obliquely punctate, the fovea with the usual sutural and 5 other striae;
anterior tibiae 5-dentate. (L. 2-1\(\frac{1}{2}\) l.) In carcases, &c., Suffolk and
Swansea: 4-6.

shining blue-green; forehead and thorax entirely punctate; elytra also punctate, except a small ovate smooth space, bounded by the usual sutural stria, beyond which last are 3 other short striae and the rudiments of a 4th; tibiae pitchy; anterior multi-dentate. (L. 1½-2 l.) In carcases, &c., Battersea and Copenhagen fields; Bottisham; Newmarket Heath; Welbeck; Swansea; Marsden: 4-6.

1221 rotundatus Fab. E. i. 190. — Ph. M. H. 77. pl. 7. f. 3. — Ste. M. iii. 157. — Ovate; deep black, sparingly punctate throughout; sutural stria extremely short, connected, as usual, with the 2d at the base, which is followed by 3 other short ones, gradually increasing in length, and a very short one on the shoulder; club of antennae rusty; anterior tibia 5-toothed. (L. 1½ l.) Under bark, &c., near London; Norfolk and Swansea: 4-6.

220 Dendrophilus Leach.

1222 † Sheppardi Kirby. — Cur. iii. pl. 151. — Ste. M. iii. 158. — Deep chestnut, slightly shining; very finely punctured: elytra with 1 straight and 5 broad, very shallow, striae, extending the whole length. (L. 1½ l.) Dead snake, Nacton, Suffolk; Windsor: 5-7.

1223 † Cooperi Ste. M. iii. 159. — Black; rather glossy; finely punctured; scutellum minute; elytra with 5 striae, extending nearly to the apex, and a 6th, shorter one, towards the suture; legs dull chestnut; antennae rusty. (L. 1½ l.) Cobham: 10.

1224 punctatus Ill. K. i. 60. — Ph. M. H. 79. pl. 7. f. 5. — Ste. M. iii. 159. — Ovate; black; thickly punctate; elytra with 2 short slightly bent striae at the base, remote from the suture, and then 2 others, extending nearly to the apex; legs pitchy-red; tibiae dilated; anterior crenulated. (L. ¾-1 l.) Under bark, &c., Waltham Cross; Sherwood Forest; Norwich; Cramond: 4-6.

1225 pygmaeus L. ii. 567.? — Ph. M. H. 81. pl. 7. f. 6. — Ste. M. iii. 159. — Pitchy-black: thorax very smooth; elytra very finely and delicately punctured, with 4 very obscure dorsal striae, neither extending to the base nor to the apex, the 2 outer ones the shortest; legs pitchy; tibiae all dilated, entire. (L. ¾-1 l.) Under bark, &c., London district; Norfolk: 5-6.

1226 piceus Ph. M. H. 87. pl. 7. f. 7. — Ste. M. iii. 160. — Pitchy-red; nearly globose; very smooth: elytra with a longish marginal stria and 4 on the disc, abbreviated at each end, the inner one very short; legs pale reddish; tibiae slender, simple. (L. ¾-3 l.) Under stones, &c., London district; Netley, &c.: 5-6.

221 Epierus Erichson.

1227 14-striatus Ste. M. v. 412. — Deep black, very glossy, delicately, but obscurely punctured: elytra with 7 continuous striae reaching from the base to the apex, and a little bent; legs pitchy-black. (L. 1½-1¾ l.) In rubbish, &c., Battersea fields: 6-8.

222 Paromalus Erichson.

1228 flavicornis Herbst. iv. 40. — Ph. M. H. 90. pl. 8. f. 6. — Ste. M. iii. 160. — Oblong-oval; flat; glossy black; thickly punctulated throughout, except the tip of the abdomen: elytra with a short lateral, and 3 much shorter, obscure slender striae; legs and antennae pale pitchy-red, the latter paler; anterior tibia denticulated. (L. ¾-1 l.) Boleti: near Bristol; Coombe Wood; South Creek, Norfolk: 6.

a. — **Ste. M. iii. 161.** — Oblong, flattish; pitchy-black; delicately punctured: thorax and elytra with the lateral margins almost parallel; base of the latter with 1 or 2 faint striae; apex pitchy; legs and antennae pitchy-red; anterior tibiae slightly denticulated. (L. 1 l.) Under bark: Norwich; Swansea; Bristol; Camberwell: 6.

1230 complanatus **Ph. M. II.** 105. pl. 8. f. 7.? — He. pieipes var.? **Ste. M. iii. 161.** — Pitchy-black: thorax margined; very smooth; elytra punctulated, base not striated; legs and antennae pitchy; tibiae simple, anterior slightly dilated. (L. 1 l.) Boleti: near Bristol; London: 6.

223 **Platysoma** Leach.

1231 frontale **Ph. M. II.** 44. pl. ix. f. 8. — Oval, flattish; black: lateral margins of the thorax, head, and abdomen, rather deeply punctate; disc and elytra very smooth, the latter with a very short sutureal stria near the apex, 2 longer ones, extending forwards to about the middle, and 3 entire ones; legs dull pitchy; club of antennae rusty. (L. 1½ l.) Under bark of oaks, near London; in Norfolk and Swansea: 5-6.

1233 oblongum **Fab. E. i.** 92. — **Pz. F. lxxx. f. 6.** — **Ste. M. iii. 162.** — Deep glossy black: thorax finely punctured on the sides; elytra smooth, with 3 entire striae on the outer edge, and 2 short ones at the apex towards the suture, the inner one sometimes wanting: legs pitchy; antennae rusty. (L. 1½ l.) Under bark of beech, near Norwich and London: 6.

§ 3. Stirps 2. LAMELLOICORNES Latreille.

**Fam. 27 Lucanidae.** Ant. 10-jointed, geniculated; club somewhat perforated, or punctated, consisting of 3 or 4 lamellae (or plates): **mand.** in 3 large: legs, especially the anter., elongate; **claws** large, with a bifid claw-like process between them.

**Fam. 28 Scarabaeidae.** **Ant.** 9-jointed; club large, 3-leaved: **mand.** membranaceous: **maxilla** with membranaceous processes; their **palpi** naked, **labial** hairy: **scutellum** concealed: legs stout; poster. remote; **tibiae** broad, dentate; **tarsi** small; **claws** minute.

**Fam. 29 Geotrupidae.** Ant. 11-jointed; club large, 3-leaved, somewhat globose: **mand.** porrect, horny: **maxilla** with membranaceous processes; their **palpi** naked, **labial** slightly pilose: legs very stout; **tibiae** broad, spinose at the tip, dentate; **tarsi** rather long, slender.

**Fam. 30 Aphodiidae.** Ant. 9-jointed; club 3-leaved, somewhat globose-ovalate: **mand.** concealed: **maxilla** with membranaceous processes; **palpi** glabrous: legs short, equidistant; **thighs** with a row of hairs within; **tibiae** broad, dentate.

**Fam. 31 Trogidae.** Ant. 9- or 10-jointed; club 3-leaved, ovate, transverse: **mand.** horny, stout, acute at the tip: **maxilla** horny: **labrum** conspicuous, coriaceous: **elytra** ample, gibous: legs short, stout; **tibiae** compressed, **anter.** slightly dentate.

**Fam. 32 Dynastidae.** Ant. 10-jointed; club 3-leaved, short, ovate: **mand.** convex, obtuse at tip: **maxilla** horny: **clypeus** concealing the **labrum**, and mostly horned: legs stout; **tibiae** broad, **anter.** much dentate; **tarsi** long.
Fam. 33 Melolonthidae. Ant. 9- or 10-jointed; club elongate, with from 3 to 7 leaves: mand. stout, horny, concealed: maxille short, with a horn process within: labrum with the anterior edge exposed: legs rather long, slender; tibiae not dilated, often dentate; claws mostly bifid or dentate.

Fam. 34 Cetonidae. Ant. 10-jointed, glabrous: mand. compressed, slender, lanceolate: maxille with a membranaceous process within: labrum concealed: scutellum distinct: legs slender; tibiae slender; claws simple, acute.

Fam. 27. Lucanidae. Leach.

CXXIV. Platycerus Ant. with club pectinately, 4-leaved: labium entire: mand. of $\xi$ moderate, lunate: body flattened: legs shortish; anter. tibiae irregularly serrated.

CXXV. Dorcas Ant. with club somewhat perfoliated, 4-leaved: labrum distinct: mand. of $\xi$ moderate: labium bilobed: head broad, in $\varphi$ with 2 shining tubercles: body flattened: legs short; anter. tibiae narrow, serrated; tarsi short.

CXXVI. Lucanus Ant. with club pectinately, 4-leaved: labrum concealed: mand. of $\xi$ gigantic; bent, irregularly dentate within and furcate at the apex, glabrous; of $\varphi$ moderate, acute at tip: labium bifid: body slightly convex: head large; sometimes margined: legs long; anter. tibiae dilated, compressed in $\varphi$, dentate; tarsi long.

CXXVII. Sinodendron Ant. short, with club pectinately, 3-leaved, compressed: mand. very short, concealed beneath the clypeus: mentum small: head and tho. in $\xi$ horned: body convex, cylindric; legs short; tibiae spinous; tarsi short.

224 Platycerus Geoffroy.


225 Dorcas MacLeay.

1235 parallelipipedus L. ii. 561. — Don. viii. pl. 164. — Ste. M. iii. 165. — Dull-black: $\xi$ finely punctured; with mandibles as long as the head, with an elevated tooth in the middle; labrum broad truncate; $\varphi$ rather more glossy and roughly punctured; mandibles short; labrum small, deeply notched; head with 2 shining tubercles. (L. 9-15 l.) In rotten trees, especially ash; common in the S. of England: 7-8.

226 Lucanus of Authors.

1236 Cervus L. ii. 559. — Ste. M. iii. 166. — Cur. xi. pl. 490 $\xi$; lower fig. (uncol.) $\varphi$. — Brown-black, thickly punctured; mandibles and elytra chestnut brown. (L. $\xi$ 1 in. 3½. — $\varphi$ 1 in. — 1 in. 8 l.) Var. Lu. grandis Haworth. — Head wider than the thorax, with a high marginal ridge: mandibles very long, apex bifurcate, middle with a long acute tooth and several blunt smaller ones within. (L. $\xi$ 2 in. — 3 in.) Var. Lu. dorcas Pz. F. liii. f. 11. — Head smaller than the thorax, without elevated margins; mandibles bifurcate at the tip, and irregularly crenulated in the middle within. (L. $\xi$ 1 in. 3 — 2 in. 2½ l.) Abundant in Surrey; Kent; Essex; New Forest; Devonshire: occasionally in Berks and Suffolk: 6-8.
227 Sinodendron Fabricius.

1237 cylindricum L. ii. 554. — Don. xi. pl. 368. — Ste. M. iii. 167. — Black, shining; punctate, elytra roughly striate: ♀ with a compressed, bent, vertical obtuse horn on the head, clothed with a tawny down behind; thorax very convex, obliquely truncate in front and 5-dentate; ♂ with a short, straight horn on the head, and the thorax not truncate in front. (L. 4-10 l.) In decayed ash and willow trees, pretty generally distributed throughout England: 6-7.

Fam. 28. SCARABÆIDÆ MacLeay.

cexxix. Onthophagus Body broadly ovate, flattened: max. palpi with terminal joint fusiform, truncate; labial with apical joint evanescent: clypeus slightly notched, or entire: tho. broad, as long as the elytra.

(cexxx. Oniticellus Body elongate-ovate, flattened: max. palpi with terminal joint somewhat ovate; labial with apical joint subulate: tho. large, nearly orbicular, nearly as long as the elytra: legs rather long.)

228 Copris Geoffroy.

1238 lunaris L. ii. 543. — Don. v. pl. 154. f. 4. — Ste. M. iii. 170. — Glossy black; outer edge of clypeus, thorax, and base of elytra with chestnut ciliae: clypeus with an erect subulate horn in the middle, 2-dentate within at the base; thorax punctured, channelled on the back, the front retuse, bilobed, the sides acute, middle broad, bifid; elytra sulcate: ♀ with a short horn on the head, notched at the tip; thorax scarcely tuberculated. (L. 8-10 l.) In dung, in sandy places: Charlton; Greenwich Park; Bexley; Richmond; Bungay, &c.: 5-6.

229 Onthophagus Latreille.

1239 Taurus L. ii. 547. — Cur. ii. pl. 52. — Ste. M. iii. 171. — Black, with a faint brassy tinge on the thorax: clypeus with 2 long, curved, reeled horns, united at the base by a transverse line; thorax depressed in the centre and on each side; elytra punctate-striate: tarsi and base of antennæ dull red: ♀ with 2 transverse lines on the clypeus. (L. 4-4½ l.) In dung: Brockenhurst and Lyndhurst: 8-10.

1240 Vacca L. ii. 547. — Pz. F. xii. f. 4. ♀. — Ste. M. iii. 173. — Greenish-brass, slightly glossy: clypeus somewhat notched in front; occiput with 2 elevated lines across, the hinder 1 shortest, and terminated at each end by a short, obtuse horn; thorax with an obtuse central lobe; elytra faintly striated and ochreous, very sparingly punctured with greenish: ♀ without the horns on the hinder occipital ridge. (L. 3½-4 l.) In dung: Martlesham Heath; Woodbridge, &c.: 5-6.

1241 medius Ill. K. i. 41. — Pz. F. 37. f. 4. — Ste. M. iii. 172. — Greenish-brass, obscure: clypeus rounded, obtuse, roughly punctured; occiput with 2 bent elevated lines, the posterior 1 longest, and terminated at each end by a short spine; thorax bronzed-black, excavated in front, and with a small central glossy lobe; elytra punctate-striate, griseous, thickly spotted with brassy-black clouds, often united: ♀ without the spines on the hinder occipital ridge. (L. 3-4½ l.) In dung: Battersea fields; Epping Forest, and Norfolk: 5.

1242 fracticornis Preysler B. i. 99. — Pz. F. xlix. f. 9. ♀: f. 10. (Xiphias)
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LAMELLOCORNES. — SCARABEIDE.

♀. — Ste. M. iii. 173. — Dusky-brassy; pubescent: elytra finely striate, lurid-grisseous, sprinkled with somewhat united dusky-bronze spots, mostly disposed in lines: ♀ with the clypeus narrowed in front, reflexed, with an obsolete bent ridge on the middle and a 2d behind, tooth at each end, and produced in the middle into a long spine, or horn, bending forwards; thorax excavated in front; ♀ with the elypeus shorter, occiput with 2 raised lines, the hinder 1 shortest; thorax entire. (L. 3-4 l.) In dung: common in S. of England, and in S. Wales: 5-6.

1243 coenobita Fab. E. i. 49. — Pz. F. xlvii. f. 6. — Ste. M. iii. 173. — Brassy-green; pubescent: elytra pale griseous-red, spotless or faintly sprinkled with greenish spots; slightly striated: ♀ with the elypeus notched in front and reflexed; occiput with a ridge produced in the middle into an erect horn; thorax excavated in front; ♀ with the elypeus shorter, with 2 single occipital ridges; thorax 2-tuberculated in front. (L. 3-4 l.) In dung; sandy places: Hampstead; Gravesend, &c.; sparingly distributed over the S. of England: 5-6.

(1244) austriacus Schneid. — Pz. F. xii. f. 6. — Ste. M. iii. 174. note. — Dull black, pilose: elytra griseous, obsolescently striated; with some black spots in the interstices: ♀ with the elypeus smooth, narrowed in front; occiput with a slender ridge produced in the middle into a sharp spine; thorax deeply excavated in front; ♀ with elypeus shorter, with 2 small ridges on the occiput, and a notched central tubercle in front of the thorax. (L. 5½-6 l.) Improperly given as British.

1245 Dilwynii Kirby. — Ste. M. iii. 174. pl. 18. f. 6. — Brassy-black, slightly pubescent: elytra faintly striated, lurid, reticulated with bronzed-black; ♀ with the clypeus smooth; crown with a slight ridge, and occiput with a distinct 1, bearing a slightly nutent horn in the middle; thorax with 2 central tubercles in an excavation in front: ♀ with 2 curved ridges on the occiput; thorax entire. (L. 2½-3½ l.) In dung; sea coasts, &c.; meadows near Gravesend; Swansea; coasts of Suffolk; Kent; Suffolk; Hants, &c.: 5-6.

1246 nuchicornis L. ii. 547. — Don. viii. pl. 255. f. 2. — Ste. M. iii. 175. — Brassy-black, pubescent: elytra striated, irregularly sprinkled with bronzed clouds: ♀ with the clypeus notched; vertex with a bent ridge, occiput with a dilated 1, rising in the middle into an acute spine; part of thorax slightly retuse: ♀ with 2 ridges on the elypeus, the anterior 1 bent; thorax produced in front in the middle. (L. 2½-3 l.) In dung: generally distributed: 3-7.

1247 nutans Fab. E. i. 50. — Don. viii. pl. 255. f. 1. — Ste. M. iii. 175. — Black, slightly pubescent; elytra faintly punctate-striate: ♀ with an obscure ridge on the vertex, produced behind into a broad elevated leaf, terminating in a long nutant horn; thorax with a deep notch in front, to receive the occipital horn: ♀ with 2 ridges on the elypeus; thorax with a biform central lobe. (L. 3½-4 l.) In dung: rather local; Darenth Wood; Epping Forest, &c.; occasionally in midland and northern counties: 5-6.

1248 ovatus L. ii. 551. — Pz. F. xlviii. f. 11. — Ste. M. iii. 176. — Black; obscure; pubescent: elypeus rounded, with 2 ridges, the anterior 1 curved, the 2d shorter and more elevated; elypeus obsolescently crenate-striate; thorax with a slight tubercle in the middle. (L. 2½-3½ l.) In sheep's dung: Ripley; Hertford; Darenth; Bottisham, &c.: 5-6.

230 ONITICELLUS Ziegler?

(1249) verticicornis Fab. E. S. i. 61. — Ste. M. iii. 176. note. — Black; elypeus rounded, brassy, with a very short recurved horn: thorax rounded,
smooth, griseous, with 2 anterior and 1 lateral spot, black; elytra smooth, griseous; legs pale. (L. 4 l.) Stated, erroneously, to be British.)

Fam. 29. GEOTRUPIDÆ MacLeay.

cxxxi. Bolbocerus Body nearly orbicular: ant. short, 2d joint large, cup-shaped, longer than the 3d, which is transverse; club large, oval: head in ♂ with a horn, sometimes moveable; tho. cornuted in ♂, slightly tuberculate in ♀: tarsi long, 4th joint smallest.

cxxxiil. Typhæus Body ovate-orbicular: ant. slender, 2d joint globe, shorter than the 3d, which is elongate; club ovate: clypeus with a central tubercle: tho. in ♂ produced anteriorly into 3 horns, in ♀ tuberculated in front.

cxxxiili. Geotrupes Body ovate-orbicular: ant. rather slender, 2d joint globe, shorter than 3d, which is elongate; club oval: clypeus rhomboidal, with a sharpish central tubercle: tho. unarm'd in both sexes: tarsi with the basal joint shortest.

231 Bolbocerus Kirby.

1250 mobilicornis Fab. E. i. 24.—Cur. vi. pl. 259. ?—Ste. M. iii. 178. — Black, sometimes with a chestnut tinge, beneath testaceous: elytra deeply punctate-striate; legs and club of antennæ chestnut, base of latter tawny: ♂ with a long, linear, slightly recurved moveable horn on the clypeus; thorax 4-dentate in front: ♀ with obsolete tubercles on the head and thorax. (L. 4 l.) In dung: Hertford; Darenth; Birchwood; Dartford; Dorking; 7; Coombe Wood; Wisbeach; 4; Moushold Heath, Norwich; and near Bristol: 5-6.


1252† quadridens Fab. E. i. 23. — Pz. F. xii. f. 1. — Ste. M. iii. 179. — Dull-red; elytra punctate-striate: ♂ with a short immovable horn on the clypeus; thorax with 4 nearly equidistant obtuse teeth near the anterior margin: ♀ with a faint ridge on the occiput, and another more obscure towards the front of the thorax. (L. 6 l.) Marshes between Peterborough and Wisbeach, during a flood: 4.

232 Typhæus Leach.

1253 vulgaris Leach. — Sam. 187. pl. 1. f. 1. — Ste. M. iii. 180. — Black, shining: clypeus angulated, with a dorsal ridge; thorax smooth in the middle, the sides punctated and foveolated; elytra striated, in rare instances chestnut: ♂ with an advanced acute horn at each anterior angle of the thorax, and a shorter ascending one in the middle: ♀ with the lateral horns very short, and in place of the central one, a long transverse ridge. Sometimes the thoracic horns are considerably longer than the head, at others much shorter. (L. 4½-11 l.) Under cow-dung; on heaths and commons, generally distributed, but rare towards the north: 4-6.

233 Geotrupes Latreille.

1254 vernalis L. ii. 551. — Don. xvi. pl. 547. f. 1. — Ste. M. iii. 181. — Somewhat hemispheric; glossy violet- or blue-black, or greenish: club of the antennæ fuscous; thorax very obsolete punctate on the disc, rather coarsely so on the sides, which have a deep fovea; elytra smooth, faintly
striated, glabrous; body beneath violet or greenish: hinder thighs of ζ with a tooth. (L. 6-9 l.) Under dung, on sandy heaths: London district; Devonshire; New Forest; Suffolk; Carlisle: 4-5.

1255 levis Eut. Tr. (Howorth) i. 79. — Cur. vii. pl. 266. — Ste. M. iii. 181. — Somewhat hemispheric; deep violet or black, shining: thorax thickly and coarsely punctured throughout, with a fovea on each side near the margin; elytra very smooth, with several obscure irregular punctured striae; hinder thighs of ζ serrated within; club of antennae black, tip sometimes dull-red. (L. 6-9 l.) In dung on heaths: London district; also on the mountains of Wales and Cumberland: 4-10.

1256 sylvaticus Ph. F. i. 5. — Dom. xvi. pl. 547. f. 2. — Ste. M. iii. 182. — Somewhat hemispheric; above blue-black, purplish-violet, or black; edged with violet; beneath violet, coppery-purple, or golden-green; crown with an acute tubercle; thorax with numerous remote distinct punctures on the disc, and thickly punctured on the sides, with a deep fovea towards the edge; elytra faintly striated, interstices strigose: ζ with a single tooth on the hinder thighs. (L. 6-10 l.)


1257 foceans Marsh. i. 21. — Sow. B. M. i. pl. 55. f. 2. — Ste. M. iii. 183. — Somewhat oval; black, edged with bluish: thorax smooth, with a few scattered punctures on the disc, 2 foveae on each side, and the sides themselves ruggedly punctate; elytra sulcate, interstices smooth, convex: hinder thighs of ζ with 1 or 2 teeth. (L. 7-9 l.) In dung: London district and Suffolk: 3-6.

1258 punctato-striatus Kirby. — Ste. M. iii. 183. — Oblong-ovate; violet-black, beneath violet or purplish: crown with an obtuse minute tubercle; thorax with the disc impunctate; the dorsal line and sides with a few confluent punctures, the latter with a fovea; elytra equidistantly punctate-striate, interstices convex; legs violet; club of antennae dull-red. (L. 6-8 l.) In dung: London district, and Suffolk: 4-6.

1259 mutator Marsh. i. 22. — Millard, B. E. pl. 2. f. 1. — Oblong-oval, above violaceous, green, or amethyst blue, brilliant and shining; beneath rich golden, or coppery-green, or purple: disc of thorax impunctate, except a few scattered points on the dorsal channel; seutellum with its margin membranaceous; elytra deeply punctate-striate, the striae for the most part disposed in pairs; club of antennae dusky. (L. 7-10 l.) In dung: abundant near South Lambeth; Camberwell, &c.; also near Bristol; Swansea; in Devon, &c.; ?.

1260 punctieollis Act. H. (Molinousky) i. 50. — Ste. M. iii. 184. — Oblong-ovate; black; beneath violet: crown with a minute tubercle; thorax with scattered punctures throughout the disc, and thickly punctured on the sides; elytra punctate-striate, interstices flatish; club of antennae pitchy, or chestnut. (L. 7-10 l.) In dung: generally distributed throughout the S. of England: 4-8.

1261 sublaevigatus Ste. M. iii. 185. — Oblong-oval; violet-black, the lateral margins of the thorax and of the elytra purple: disc of thorax smooth, sides each with 2 foveae, and thickly punctured; elytra faintly striated, the striae composed of remote punctures, interstices flat; club of antennae rusty. (L. 10 l.) In dung: near London: 6.

1262 stereorarius L. ii. 550. — Sta. D. F. i. pl. 6. f. a-v. — Ste. M. iii. 185. — Oblong-oval; black, beneath violet; disc of thorax impunctate, with a short dorsal line, lateral margins thickly punctured, each with a small glossy punctate fovea; elytra deeply striated, the striae punctured;
interstices convex, smooth; with hinder thighs toothed, anter. tibiae with a spine within. (L. 8-12 l.) In dung: abundant throughout Britain: ♂, ♀.

Fam. 30. APHODIIDæ MacLeay.


cxxxv. Oxymus Body oblong-ovate: palpi with the terminal joint elongate, ovate: clypeus entire or faintly notched: tho. punctured, not grooved: elytra deeply sulcate.

cxxxvi. Psammomius Body oblong-ovate, or ovate, somewhat tumid behind: palpi with the terminal joint ovate: maxillæ with a horny lobe: clypeus deeply notched: tho. transversely grooved: tibiae dilated at the tip.

234 Aphodius Illiger.

§ A. Scutellum large, elongated.

1263 Fosser L. ii. 548. — Don. xii. pl. 417. f. 3. — Ste. M. iii. 187. — Very convex; deep glossy black: clypeus notched, with 3 tubercles, central one longest, acute; thorax retuse, the sides sparingly punctate; elytra faintly punctate-striate; with the tubercles on the clypeus small; thorax punctate throughout. (L. 4-7 l.) In dung: London district; Bottisham; York; Newcastle; Carlisle; Swansea; Notts; Scotland: 4-10.

1264 subterraneus L. ii. 548. — Pz. F. xxviii. f. 3. — Ste. M. iii. 188. — Slightly convex; shining black: clypeus notched, punctate on the edge, with 3 tubercles behind; thorax large, deeply punctured throughout; elytra deeply crenate-sulcate; tarsi pitchy. (L. 2½-3 l.) In dung: Battersea fields; Norfolk; Notts; Devon; Carlisle; York; Swansea: 4-8.

1265 haemorrhoidalis L. ii. 548. — Pz. F. xxviii. f. 8. — Ste. M. iii. 188. — Short; black, rather glossy: clypeus a little notched, with 3 minute tubercles behind; elytra rather deeply crenate-striate, with the apex more or less bright red; beneath pitchy; tarsi reddish. (L. 2-3 l.) In dung: Hertford; Coombe and Darent Woods; Dover; New Forest; Bristol; Devon; Carlisle; Norfolk; Scotland, &c.: 4-8.

1266 erraticus L. ii. 548. — Mart. C. pl. 4. f. 37. — Ste. M. iii. 188. — Broad, flat; black: clypeus orbiculate, with 1 tubercle, and sometimes 2 ridges behind; thorax punctured throughout; elytra livid-griseous, suture dusky, finely punctate-striate, interstices faintly punctulate. (L. 3½-4 l.) In cow-dung: London district; Bottisham; Newcastle; Swansea; Notts; Keswick: 4-6.

§ B. Scutellum small, short.

a. Clypeus distinctly tuberculated, mostly notched.

1267 f Scrutator Fab. E. i. 69. — Pz. F. xxxi. f. 1. — Ste. M. iii. 189. — Convex; shining black: clypeus rounded, with 3 tubercles; thorax punctate, sides broadly red; elytra red, striated, with a raised point at the base and apex; abdomen wholly red. (L. 4-5 l.) Near Leeds? 1268 simietarius L. ii. 548. — Don. xii. pl. 404. f. 1. — Ste. M. iii. 189. — Convex; shining black: clypeus obscurely notched, with a short ridge in front, and 3 tubercles behind; thorax sparingly punctured, both anterior angles red, front in ♀ excavated in the middle; elytra bright spotless.
red, punctate-striate, interstices smooth; tarsi red. (L. 2\(\frac{1}{2}\)-3\(\frac{1}{2}\) l.) In dung: generally distributed throughout Britain: 3-6, *

1269 aestivalis Stephens. — Ap. facetens Ste. M. iii. 190. — Convex; shining black: clypeus entire, with a ridge in front and 3 tubercles behind; thorax sparsely punctured, anterior angles red; elytra also red, spotless, deeply punctate-striate; abdomen, antennae, and palpi pale red, the latter with a pitchy ring on the terminal joint; tarsi reddish. (L. 2\(\frac{1}{2}\)-3 l.) In dung: London district; Bottisham; Swansea: 5-7.

(1270 † facetens Fab. E. i. 69. — Marsh. i. 17. — Convex; shining black: clypeus with 3 tubercles, entire; thorax sparsely punctured, anterior angles red; elytra red, with a large common black blotch behind, having a clear red border; abdomen with the tip red. (L. 2\(\frac{1}{2}\)-3 l.) Introduced as British, for the preceding species.

1271 scybalarius Ps. F. xxvii. f. 1. — Ste. M. iii. 190. — Convex; shining black: clypeus angulated, with a faint ridge in front, and 3 tubercles behind; thorax slightly punctured; elytra pale griseous, the suture dusky, punctate-striate; legs and antennae testaceous, club of latter dusky. Elytra sometimes with a broad blackish patch on the disc. (L. 2\(\frac{1}{2}\)-3\(\frac{1}{2}\) l.) London district; Norfolk; Suffolk; York; Newcastle; Carlisle; Swansea; Edinburgh: 3-6.

1272 rufescens Fab. E. i. 74. — Ste. M. iii. 190. — Convex, elongate; rusty-red, shining: clypeus with 3 tubercles; crown sometimes dusky; thorax thickly punctured throughout, the lateral margins broadly dull red, with an obscure fuscous spot; elytra punctate-striate, obscure red, sometimes with a broad pitchy or dusky patch on the disc; body beneath and legs rusty-red. (L. 2\(\frac{1}{2}\)-3 l.) In dung: London district; Norfolk; Bottisham; Swansea; Marsden; Scotland: 4-6.

1273 castaneus Marsh. i. 12. — Ste. M. iii. 191. — Convex, elongate; chestnut red, shining: clypeus with 3 obscure tubercles; thorax minutely punctured throughout, disc pitchy; elytra testaceous, punctate-striate; legs pale testaceous. (L. 2\(\frac{1}{2}\) l.) In dung: near London: 4-6.

1274 ochraceus Ste. M. iii. 190. — Convex, oblong; black: clypeus angulated, with 3 small tubercles behind; thorax deeply punctate, anterior angles testaceous; elytra punctate-striate, ochrous, slightly clouded with dusky; legs pitchy-black; tarsi reddish. (L. 3 l.) In dung: London district: 4-6.

1275 sordidus Fab. E. i. 74. — Ps. F. xlviii. f. 2. — Ste. M. iii. 190. — Slightly convex; livid testaceous: clypeus entire, dull red, crown dusky, with 3 tubercles; thorax wide, disc scarcely punctured; margins pale, the lateral ones broadly so, with a black dot in the middle; elytra punctate-striate, suture obscure, a spot on the shoulders, and 1 or 2 on the disc black; legs clouded with dusky. (L. 2\(\frac{1}{2}\)-3\(\frac{1}{2}\) l.) In dung: Battersea fields; Rockeliff; Yarmouth; Swansea; Edinburgh: 4-6.

1276 nitidulus Fab. E. i. 75. — Ste. M. iii. 192. — Ap. merdarius Ps. F. xlviii. f. 3. — Elongate, somewhat cylindrical; pitchy-black: clypeus in front dull red with 1, behind black with 3, tubercles; thorax minutely punctured, sides broadly testaceous; elytra punctate-striate, pale testaceous, suture dusky; body beneath rusty-picaceous; legs paler. (L. 2\(\frac{1}{2}\)-2\(\frac{1}{2}\) l.) In dung: London district; Norfolk; Swansea: 4-6.

1277 lividus Olivier. — Creutz. E. V. i. pl. 1. f. 7. — Ste. M. iii. 192. — Oblong; livid, shining: clypeus rather orbicular, slightly notched; crown black, with 3 tubercles; thorax with the disc black, hinder and lateral margins livid, the latter with a black dot; elytra punctate-striate, the suture and a large patch on the disc fuscous; legs pale. (L. 2 l.) In dung: Darenth Wood: 7.
1278 conspurcatus L. ii. 549. — Ste. M. iii. 192. — Obleng, flattish; black, glossy: elyope entire, with 3 tuberles behind, and a reddish spot before the eyes; thorax thickly punctured, sides broadly pale, with a fuscous dot; elytra faintly punctate-striate, interstices flat, with 7 distinct black spots; abdomen and legs pale testaceous. (L. 2½ l.) In dung: London district; West of England; Swansea; near Edinburgh: 4-6.

1279 stifticus Pz. F. lviii. f. 4. — Ste. M. iii. 193. — Oblong, slightly convex; shining black: elyope entire, with 3 obsolete tuberles behind, and a dull red spot before the eyes; thorax thickly punctured, edged with testaceous, that colour being widest on the sides, and bearing a brown dot; elytra deeply punctate-striate, the suture and strie brownish, the disc with several black spots united by black lines and streaks; abdomen fuscous; legs pale. (L. 2½ l.) In dung: near London; Ripley; Hertford; Edinburgh?: 4-6.

1280 inquinatus Fab. E. i. 73. — Pz. F. xxviii. f. 7. — Ste. M. iii. 194. — Rather convex; shining-black: elyope faintly notched, with 3 tuberles; thorax finely and thickly punctured, anterior angles reddish (rarely black); elytra finely punctate-striate, griseous, suture dusky, the disc more or less varied with black spots and blotches of different forms, and more or less united; abdomen pitchy; legs griseous, varied with black. (L. 2-2½ l.) In dung: pastures in London district; Bottisham, Yarmouth; York; near Carlisle; Swansea; Edinburgh: 4-6.

1281 tessulatus Ph. F. i. 20. — Ste. M. iii. 194. — Sc. contaminatus Pz. F. xlvi. f. 7. — Short, very convex; black, shining; elyope rough, with 3 small tuberles behind, and a stout bend ridge in front; thorax finely punctulate, the anterior angles slightly pitchy; elytra punctate-striate, pale griseous with black spots disposed irregularly in 2 or 3 confluent tessellated bands; legs black; tarsi reddish. (L. 2 l.) In dung: Tunbridge Wells; S. Wales; Henault Forest: 5-8.

1282 terestris Fab. E. i. 71. — Ste. M. iii. 194. — Sc. ater Pz. F. xliii. f. 1. — Short, convex; black: elyope slightly notched, rough, with 3 tuberles; thorax coarsely and thickly punctured; elytra obtuse, faintly punctate-striate, interstices opaque, thickly and minutely punctured; tarsi pitchy. (L. 2½-3 l.)

Var. Sc. obsceusr Marsh. i. 18. — Ste. M. iii. 195. — Central tuberle on the elyope elongate, with a curved ridge in front; elytra fuscous with the suture black, or chestnut. In dung: London district; Bottisham; York; Swansea; near Carlisle; Edinburgh: 3.

1283 terrenus Kirby. — Ste. M. iii. 195. — Convex; black, obscure; elyope slightly notched, with 3 equal tuberles; thorax finely and thickly punctured; elytra dull brown or reddish, very faintly striate, strie punctured; legs pitchy. (L. 2½ l.) London district; Norfolk; Suffolk; York; Bottisham; Swansea: 4-6.

1284 ater Fab. E. i. 71.? — Ste. M. iii. 195. — Convex, black: elyope rounded, slightly notched, with 3 minute tuberles, central longest; thorax faintly punctate, glossy; elytra shining, simply striate; legs pitchy. (L. 2½ l.) In dung: London district: 4-6.

1285 nitidus Kirby. — Ste. M. iii. 196. — Convex, black, very glossy; elyope faintly notched, with 5 subequal tuberles; thorax finely and distinctly punctured; elytra pitchy-black, punctate-striate, interstices slightly convex, impunctate; legs pitchy-black. (L. 2½ l.) In dung: London district, and Suffolk: 4-6.

1286 lucens Gyll.? — Ste. M. iii. 196. — Convex; deep glossy black: elyope distinctly notched, with 3 tuberles, central longest; thorax coarsely punctate on the disc, the sides with an obscure pitchy spot; elytra punc-
tate-striate, interstices rather convex, impunctate; legs pitchy.  (L. 2\(\frac{1}{2}\) l.)

In dung: London district and Norfolk: 4-6.

1287 hæmorrhous Kirby. — Ste. M. iii. 196. — Slightly depressed; black, rather opaque: clypeus notched, with 3 equal tubercles; thorax rather sparingly and finely punctate; elytra punctate-striate, interstices punctured, pitchy-black, the tip, and also the abdomen and legs pitchy-red.  (L. 2\(\frac{1}{2}\) l.) In dung: London district and Suffolk: 4-6.

1288 niger Ill. K. i. 24. — Pz. F. xliii. f. 1. — Ste. M. iii. 197. — Oblong, somewhat cylindric; black: clypeus angulated, notched in front, thickly punctate, with a ridge on the crown and a small tubercle behind; thorax very thickly punctured; scutellum minute; elytra delicately punctate-striate, very glossy; legs pitchy-black.  (L. 2\(\frac{1}{2}\) l.) In dung: London district: 4-6.

1289 bimaculatus Fab. E. i. 71. — Pz. F. xliii. f. 2. — Ste. M. iii. 197. — Oblong; black: clypeus with 3 tubercles; thorax thickly punctured; elytra rather parallel, deeply punctate-striate, interstices finely punctured, base with a large bright red spot, ending in a point near the middle of the disc; legs pitchy-black.  (L. 2\(\frac{1}{2}\) l.) In dung: near Windsor and Ripley: 5-6.

1290 granarius L. ii. 547. — Ste. M. iii. 197. — Ap. carbonarius Str. D.F. i. pl. 14. f. c. — Convex; glossy-black: clypeus faintly notched, with a single tubercle; thorax large, disc smooth, lateral margins sparingly punctured, with a faint pitchy-red spot in the middle; elytra slightly punctate-striate, interstices smooth, extreme tip dull rusty-red: legs dull red; tibiae obscure.  (L. 2\(\frac{3}{4}\) l.) London district; Norfolk; Suffolk; Carlisle; Swansea; Newcastle: 4-6.

1291 emarginatus Ste. M. iii. 198. — Convex; black, shining: clypeus rather deeply notched, with 3 obscure tubercles; thorax finely and sparingly punctate; elytra pitchy, faintly punctate-striate, interstices impunctate; legs pitchy-red.  (L. 1\(\frac{1}{2}\)-2 l.) In dung: London district: 4-6.

1292 melanopus Kirby. — Ste. M. iii. 198. — Convex; shining black: clypeus rough, notched, with 3 tubercles behind, and a bent ridge in front; thorax finely and sparingly punctured; elytra pitchy-black, with the tip paler, punctate-striate, interstices somewhat convex and smooth; tarsi pitchy.  (L. 2 l.) In dung: London district; Suffolk; Norfolk; Bottisham; Scotland: 4-6.

1293 borealis Gyll. iv. 248.? — Ste. M. iii. 198. — Convex; pitchy-black, shining: clypeus angulated, margin dull red, with a bent ridge in front, and 3 tubercles behind, central longest; thorax rather thickly and deeply punctate, anterior angles dull red; elytra faintly punctate-striate, with a spot on the shoulders, and the apex pitchy-red; legs rusty-piceous.  (L. 2\(\frac{1}{2}\) l.) In dung: London district; rare; Cumberland: 5-7.

1294 axillaris Stephens. — Elongate, flattish; deep black, shining: clypeus angulated, with 3 minute tubercles; and, with the thorax, very thickly punctured; elytra distinctly punctate-striate, interstices smooth, shoulders with a 3-angular bright red spot; tarsi reddish.  (L. 2\(\frac{1}{2}\) l.) In dung: near Ripley: 5-6.

1295 porcus Fab. E. i. 71. — Ste. M. iii. 199. — Sc. Anachoreta Pz. F. xxxvi. f. 1. — Rather flat; dull black: clypeus with 3 tubercles; thorax thickly punctured, anterior margin pale; elytra reddish-brown, punctate-striate, the striae in pairs, interstices finely punctured; tibiae and tarsi pitchy.  (L. 2\(\frac{1}{4}\)-2\(\frac{3}{4}\) l.)

Var.? Sc. ruficrus Marsh. i. 16. — Ste. M. iii. 199. — Smaller; clypeus
obscolutely tuberculate; colours brighter, and thighs pitchy. In dung: London district; Ramsgate; Swansea; Var.? near Woodbridge: 8-9.

1296 fulvius Ste. M. iii. 199. — Rather flat; black, opaque: clypeus with 3 obscure tubercles; thorax coarsely punctured; elytra pitchy-black, simply punctate-striate, interstices impunctate; tarsi tawny. (L. 2 l.)

In dung: Norfolk: 7-8.

b. Clypeus not distinctly tuberculated.

1297 rufipes L. ii. 559. — Don. xii. pl. 417. f. 4. — Ste. M. iii. 200. — Flattish, oblong; pitchy, beneath paler: clypeus entire, smooth; thorax with the sides slightly punctured; elytra obsoletely crenate-striate, interstices faintly punctured towards the base; legs rusty-red, anterior tibiae 3-dentate. (L. 4-5 l.)

In dung: generally distributed throughout Britain: 4-8. *

1298 muticus Ste. M. iii. 200. — Flattish, oblong; pitchy, paler beneath: clypeus entire, impunctate; thorax transverse, smooth; elytra faintly punctate-striate, interstices not punctured; legs pitchy-red, anterior tibiae obscurely 1-dentate. (L. 4-5 l.)


1299 Pecari Fab. E. i. 80. — Pz. F. xxxi. f. 3. — Ste. M. iii. 204. — Flattish, black: clypeus entire; thorax finely and sparingly punctate on the sides towards the anterior angles; elytra punctate-striate, interstices smooth, flat; bright red, with a large common black dorsal spot on the suture, which is also black; legs red. (L. 3 l.)

In dung: near Wind-sor and Ripley: 5-7.

1300 depressus Fab. E. i. 80. — Ent. Tr. (Sow.) i. pl. in p. 246. fig. sup. — Ste. M. iii. 201. — Flat, short; black: clypeus entire; thorax thickly and coarsely punctured; elytra broad, bright- or pitchy-red, punctate-striate, interstices punctulate; legs pitchy-black; tarsi reddish. (L. 3 l.)

In dung: Richmond Park; Bristol; Swansea: 3-7.

1301 nigripes Fab. E. i. 76. — Pz. F. xlvii. f. 9. — Ste. M. iii. 201. — Flat, short; black: clypeus angulated, entire, with a faint bent ridge; thorax thickly punctured; elytra finely crenate-striate, interstices minutely punctured; legs pitchy-black, tarsi reddish. (L. 3 l.)


1302 luridus Fab. E. i. 76. — Pz. F. xlvii. f. 6. — Ste. M. iii. 201. — Flat; black, slightly glossy: clypeus entire; thorax deeply punctate; elytra opaque, punctate-striate, interstices punctulate, colour black, or pale griscous with dusky striae, or with the interstices more or less filled up with elongate black spots, especially at the base, which is sometimes wholly black, with the apex pale, striped or spotted with black; tarsi reddish. (L. 4-5 l.)

In dung: generally distributed throughout Britain: 4-7.

1303 contaminatus Fab. E. i. 77. — Creutz. E. V. i. pl. 1. f. 5. — Ste. M. iii. 202. — Flattish, oblong; black, tinged with brassy; clypeus faintly notched; thorax somewhat 4-drate, anterior angles with a testaceous spot, sides ciliated, disc impunctate: elytra punctate-striate, pubescent, griscous, with several black spots; legs pale, joints dusky. (L. 2½-3 l.)

In dung: abundantly distributed throughout England and Wales: 2. *

1304 prodromus Creutz. E. V. i. 37. — Ste. M. iii. 203. — Flattish; oblong; black: clypeus faintly notched, smooth; thorax transverse, smooth, lateral margins broadly pale and slightly punctate; elytra punctate-striate, pubescent; interstices (especially at the base) thickly punctured, griscous, the suture and a large blotch on the disc fuscous; legs pale. (L. 2½-3 l.)

In dung: London; Bristol; Devon; Cornwall, &c.: 2-6.
1305 sphecaculus Pz. F. lviii. f. 5. — Ste. M. iii. 203. — Flattish, oblong; black; glabrous; clypeus faintly notched, deeply punctured, with a bent line on the crown; thorax also thickly punctured, lateral margins broadly pale; elytra punctate-striate, with a dusky patch on the disc; legs pale. (L. 2-3 l.) In dung: generally distributed: 2-8.

1306 marginalis Ste. M. iii. 203. — Flattish; oblong; black; clypeus faintly notched, with 3 most obscure tubercles; thorax with the disc sparingly punctured, all the margins, especially the lateral ones, pale; elytra punctate-striate, slightly pubescent, with a large fusaceous patch on the disc; legs pale. (L. 1½-3 l.) In dung: London district; Bristol; Bottisham; Norfolk: 4-6.

1307 merdarius Olie. E. i. 94. pl. 10. f. 173. — Ste. M. iii. 204. — Rather convex; black, shining; clypeus faintly notched; thorax with the anterior angles, and occasionally the lateral margins, pale; elytra punctate-striate, yellow-testaceous, suture black, lateral margins fusaceous; legs pitchy, or testaceous. (L. 2 l.) In dung: generally distributed throughout Britain: 4-8.

1308 pheoopterus Marsham. — Ste. M. iii. 204. — Rather convex; shining black, beneath pitchy; clypeus faintly notched; thorax very thickly and finely punctulated, the lateral margins reddish; elytra faintly punctate-striate, dull pitchy-red; legs the same. (L. 1¼ l.) In dung: near London; Tunbridge Wells; Suffolk: 6-8.

1309 pusillus Herbst. ii. 155. pl. 18. f. 6. ? — Ste. M. iii. 205. — Slightly convex; glossy black; clypeus obscurely notched, smooth; thorax deeply and thickly punctured; elytra punctate-striate, interstices faintly punctured, entirely rusty-red, or pitchy; thighs rusty-piceous; tibiae and tarsi red. (L. 1½-1¾ l.) In dung: near London; Dover; Bristol: 5-9.

1310 granum Gyll. i. 19. — Ste. M. iii. 205. — Rather convex; black; clypeus faintly notched, punctuated, with a slight ridge on the crown; thorax thickly punctured, anterior angles red; elytra deeply punctate-striate, interstices impunctate, tip somewhat reddish; thighs pitchy; tibiae and tarsi dull red. (L. 1¾-2½ l.) In dung: London district; Brighton, &c.: 4-8.

1311 cecenosus Pz. F. lviii. f. 7. — Ste. M. iii. 205. — Rather convex; glossy black; clypeus slightly notched, a little punctate; thorax punctate, lateral margins dull red; elytra obsoletely punctate-striate, obscure dull red, the humeral angles paler; legs fusaceous, or pitchy-red. (L. 2 l.) In dung: London district; Brighton, &c.: 4-8.

1312 tristis Zerker. — Pz. F. lxiii. f. 1. — Ste. M. iii. 206. — Convex; black; clypeus punctured, with a ridge and 2 obsolete tubercles behind; thorax very thickly punctured, spotless; elytra deeply punctate-striate, interstices punctulate; the suture, a spot on the shoulders and the tip obscure rusty-red; tibiae and tarsi pitchey, hinder tibiae bent. (L. 2 l.) In dung: London district; Bristol; Swansea: 4-6.

(1313× 4-guttatus Fab. S. E. i. 78. — Ste. M. iii. 206. note. — Oblong; black; thorax smooth, shining, sides dull red; elytra obscurely striated, interstices smooth, with an angulated red spot at the shoulder, and a round one near the tip; legs red. (L. 1½ l.) Said by Fabricius, I think erroneously, to be British.)

1314 4-maculatus L. ii. 558. — Don. ii. pl. 70. f. 3. — Ste. M. iii. 206. — Convex, short; black, shining; clypeus angulated, punctured; thorax thickly punctured spotless; elytra punctate-striate, interstices smooth, with a small red dot at the shoulder, and a large round one near the tip; tarsi reddish. (L. 1½-1¾ l.) In dung: Coombe Wood; Windsor; Bristol; Swansea; Norfolk; Edinburgh: 4-6.

1315 plagiatus L. ii. 559. — Pz. F. xliii. f. 6. — Ste. M. iii. 207. — Ob-
long; somewhat cylindric; black: clypeus angulate, with an obscure ridge behind; thorax finely and thickly punctured; elytra faintly punctate-striate, with an elongate bright red dash on the disc; tarsi pitehy. (L. 1½-2 l.) In fungi: Wisbeach and Peterborough; also near Norwich: 4-6.

1316 arenarius Ill. K. i. 22. — Str. V. i. pl. 2. f. V. — Ste. M. iii. 207. — Short; convex; black: clypeus convex, notched, punctured; thorax punctured; elytra dilated behind, pitehy-black, the sides and apex paler, punctate-striate, the striæ deepest towards the apex; interstices finely punctured; body beneath and legs pitehy. (L. 1½ l.) In dung, sandy places: Newmarket Heath; Swansea: 4-8.

1317 Serona Fab. E. i. 80. — Pz. F. xlvii. f. 12. — Ste. M. iii. 207. — Ovate, flattish; dull black; pubescent: clypeus rounded, coarsely notched; thorax thickly punctate; elytra punctate-striate, interstices coarsely and roughly punctured, pitehy-black, tip palest; legs rusty-pitehy. (L. 1½-1½ l.) In dung: Pentire Point, Cornwall: 4-8.

1318† villosus Gyll. i. 40. — Cur. i. pl. 27. — Ste. M. iii. 208. — Oblong, flattish; rusty-pieceous, shining, pubescent: clypeus angular, slightly notched, punctured; thorax thinly punctured, with a smooth dorsal line, sides pale; elytra sulcate, each groove bordered with a row of punctures, interstices flat, smooth; tip of abdomen and the legs pale pitehy. (L. 1½ l.) Newmarket Heath: 8.

1319 Sus Fab. E. i. 78. — Pz. F. xxviii. f. 11. — Ste. M. iii. 208. — Oblong, flat; dull red, or ochreous; pubescent: clypeus truncate, punctured, the crown fuscous; thorax finely punctured, the disc and a lateral spot dusky; elytra griseous, with broad, scarcely punctate scales; interstices smooth, 2d and 4th spotted with black; legs dusky-red, thighs paler. (L. 1½-2½ l.) In dung: Norwich; Edinburgh; Swansea: 4-6.

1320 testudinarius Fab. E. i. 79. — Don. ii. 70. f. 1. — Ste. M. iii. 208. — Rather flat; dull black; pubescent: head and thorax thickly and coarsely punctured; elytra pitehy, with paler or reddish round spots on the disc, deeply sulcate, interstices narrow, ridged; tibiae and tarsi dull red. (L. 1½-2 l.) In dung, sandy places: Hampstead Heath; Bow; Coombe Wood: 2-4.

235 Oxyomus Eschscholtz.

1321 elongatus Ste. M. iii. 208. — Linear-oblong; flattish; black: clypeus deeply notched; thorax coarsely, but not very thickly punctured, anterior margin pale; elytra crenate-striate, interstices impunctate; legs rusty-red. (L. 2½ l.) Near Bristol?

1322 casus Fab. E. i. 82. — Pz. F. xxxv. f. 2. — Ste. M. iii. 210. — Cyllindric; black; shining; clypeus slightly notched, punctured, anterior margin pale; thorax coarsely punctured with 2 oblique sulci on each side; elytra deeply punctate-striate; legs pitehy. (L. 1½ l.) Sandy places: near Bristol and Pentire Point, Cornwall: 5-6.

1323 porcus Fab. E. i. 81. — Pz. F. xxxviii. f. 13. — Ste. M. iii. 211. — Somewhat cylindric, narrow; pitehy-black: clypeus slightly notched; thorax very deeply punctured, with a short dorsal groove; elytra deeply sulcate, the sulci with coarse punctures; interstices narrow; legs pitehy; thighs dusky. (L. 1½-1½ l.) In dunghills, &c.: South Lambeth; Clapham; Norfolk; Swansea: 3-5.

places: Bristol; on banks of Usk, near Crickhowel; and Esk, near Musselburgh: 3-6.

236 Psammodius Gyllenhal.
1325 asper Fab. E. i. 82. — Pz. F. xlvi. f. 13. — Ste. M. iii. 211. —
Ovate; dull brown-black: elypeus convex, notched, margins dull red; crown sulcate; thorax convex, ciliated on the sides and behind, the disc with 4 transverse ridges, the two hinder waved and broken in the middle; elytra punctate-sтратie, interstices thickly granulated; legs pitchy. (L. 1 1/2 l.) Sandy coasts: near Bristol: 5-6.

1326 sulcicollis Ill. K. i. 20. — Pz. F. xci. f. 1. — Ste. M. iii. 211. —
Ovate; black, shining; elypeus notched, rough, reddish in front; thorax with 5 transverse ridges, the furrows slightly crenated, the 2 hinder broken by a dorsal fovea; elytra very convex, much dilated behind; deeply crenate-sтратie, interstices flat and smooth; legs pitchy. (L. 1 1/2 l.) Sandy places; Weston; Bristol; Swansea; Suffolk?: 6-9.

Fam. 31. TROGIDÆ MacLeay.

ccxxxvii. Ægialia Ant. 9-jointed, exposed, basal joint nearly glabrous: mand. bifid at the tip: body short, ovate, very gibbous: tho. smooth, sides rounded.

ccxxxviii. Trox Ant. 10-jointed, basal joint very pilose: mand. simple, and acute at tip: body somewhat ovate, convex: tho. rough, waved behind: elytra also rugged.

237 Ægialia Latreille.
1327 globosa Ill. K. i. 20. — Don. xiv. pl. 470. — Ste. M. iii. 213. —
Shining-black: elypeus semi-orbicate, with rough eminences; thorax impunctate: elytra gibbous, suture sometimes pitchy, faintly and simply striated; body beneath and legs rusty-pitchy; antennæ and mouth dull red. Occasionally testaceous or dull red throughout. (L. 1 1/2-2 l.) Sea coasts; Southend; Yarmouth; South Shields; Leith, &c.; Swansea: 4-6.

238 Trox Fabricius.
1328 scaber L. ii. 573. — Ste. M. iii. 215. — Tr. arenarius Pz. F. xcvii. f. 1. — Dull black: elytra rounded, punctate; thorax slightly convex, with a faint channel and punctured; elytra punctate-sтратie, all the interstices with a row of reddish-brown pilose tufts; body and legs pitchy. (L. 3 l.) S. Lambeth; Bottisham; Scarborough: 3-6.

1329 arenosus Gyll. i. 11. — Ste. M. iii. 215. — Black: elytra rather acuminated in front, punctured; thorax unequal, punctured, with a dorsal channel; elytra obsoletely striated, alternate interstices with a row of conic tubercles at the base, and rigid ashy pilose tufts at the apex. (L. 3 3/4 l.) Sandy and gravelly places: Coombe Wood; Lowestoft, Suffolk; Bristol; Swansea: 3-5.

Black: elytra semi-orbicate punctate; thorax unequal, with a dorsal channel, punctured, edged with red hairs; elytra coarsely punctate-sтратie, alternate interstices raised, and bearing a row of red-brown pilose tufts. (L. 4-4 1/2 l.) Gravel pits: Coombe Wood; Wimbledon; Newmarket and Gamlingay heaths; Sundridge, Kent; Spitchwick: 4-5.

1331 lutosus Marsh. i. 25. — Ste. M. iii. 215. — Ashy-brown: elytra margined, acute; thorax rugged, waved behind, central lobe acute; elytra striated, alternate interstices with raised oblong spots, the inner ones
ridged: antennae pale. (L. 6 l.) Taken at Livermere, Suffolk; during a flood.

Fam. 32. DYNASTIDÆ MacLeay.

(ccxxxix. Oryctes Maxillæ unarmed: ant. with a 3-leaved plicatilis club: palpi with terminal joint oval: mand. with outer edge not dentate: tho. retuse: body ovoid, convex, pilose.)


239 Oryctes Illiger.

(1332 nasicornis L. ii. 544. — Ste. D. F. i. pl. 4. — pl. 5. lar. § pup. — Ste. M. iii. 217. — Chestnut: head with a single horn, elongate and recurved in ♂, short in ♀; thorax retuse in front, with an obscurely 3-dentate keel in the ♂; elytra shining, finely punctate-striate. (L. 1 in. 1-3 l.) In old timber at Chelsea: probably imported.)

240 Dynastes? MacLeay.

(1333 inermis Martyn, pl. 4. f. 35. — Ste. M. iii. 217. — Pitchy-black, smooth: elypeus dentate in front; thorax convex, with scattered punctures, anterior margin with a short obtuse horn in the middle, behind which is an excavation; elytra roughly striated, with remote punctures; body beneath, legs and antennæ dull red. (L. 6½ l.) Locality unknown; but not truly indigenous.)

§ B. — Xylotrupes Hope.

(1334 Juvenesc Fub. E. i. 20. — Olie. i. pl. 16. f. 143. ♂: pl. 8. f. 66. ♀. — Ste. M. iii. 217. note. — Pitchy: elypeus rounded, with a transverse ridge in the middle; thorax rounded, punctate, black, with an impressed point in the middle, and a short mucro beneath; elytra crenate-striate. (L. 7 l.) Introduced as British, in mistake for the foregoing insect.)

Fam. 33. MELOLONTIDÆ MacLeay.

ccxli. Serica Ant. 10-jointed; club 3-leaved, very long and narrow in ♂: body oblong-ovate, convex: palpi with terminal joint rather acute: legs long and slender; claws equal, bifid.

ccxl. Omaloplia Ant. 10-jointed; club 3-leaved, ovate: body short, convex: palpi max. with terminal joint truncate: legs shortish; claws small, bifid.

ccxlii. Rhisotrogus Ant. 9-jointed; club 3-leaved, slender and elongate in ♂: body very pilose: palpi max. with terminal joint dilated, acuminated to the tip: elytra shorter than abdomen: anter. tibiae entire in the ♂, dentate in ♀; claws equal, simple.

ccxliii. Rhisotrogus Ant. 9-jointed; club 3-leaved, and considerably elongate in ♂: body scaly: palpi max. with terminal joint oval, rather acute: elytra shorter than abdomen: anter. tibiae 2-dentate in ♂, 3-dentate in ♀; claws equal, with a basal tooth.

ccxliv. Melolontha Ant. 10-jointed; club 6-leaved and short in ♀, 7-leaved and considerably elongate in ♂: body scaly: palpi max. with terminal joint oval, rather acute: elytra shorter than abdomen: anter. tibiae 2-dentate in ♀, 3-dentate in ♂; claws equal, with a basal tooth.

ccxlv. Phyllopertha Ant. 9-jointed; club 3-leaved, slightly elongate in ♂: body ovate, pilose: palpi nearly filiform: elypeus not produced, transverse, entire: tho. narrowed behind: claws unequal, of the 4 anter. feet, 1 slender and simple, the other bifid.

ccxlvi. Anomala Ant. 9-jointed; club 3-leaved, slightly elongate in ♂: body ovate, glabrous: palpi almost filiform: elypeus not produced, truncate in front, entire: tho. broad behind: claws unequal, of the 4 anter. feet, one slender and simple, the other bifid.
cexlvii. Anisoplia Ant. 9-jointed; club 3-leaved, elongate, slender: body oblong-ovate, glabrous; clypeus advanced and reflexed: tho. with lateral margins a little waved, the base slightly produced in the middle, and narrower than the elytra: claws unequal, of the 4 anter. feet, one slender and simple, the other stout bifid.

cexlviii. Hoplia Ant. 10-jointed; club 3-leaved, ovate; body ovate, flattened, sealy: tho. slightly produced in the middle behind: elytra shorter than the abdomen: claws of 4 anter. feet unequal, the largest bifid, poster. feet with a single simple claw.

241 Serica MacLeay.

1335 brunnea L. ii. 556. — Pz. F. xev. f. 7. — Ste. M. iii. 219. — Pale testaceous red, sometimes with a faint brassy tinge: elypeus punctate, crown at times dusky; eyes black; thorax finely punctured, with an obscure dusky spot on each side; elytra faintly punctate-striate. (L. 4½ l.) Sandy places: generally distributed throughout Britain: 7-8. *

242 Omaloplia Köppe.

1336 Ruricola Fab. E. i. 176. — Dom. xi. pl. 378. — Ste. M. iii. 220. — Black, with a satiny gloss; punctured: head and thorax slightly hairy: elytra simply striated, testaceous-red, with the suture and margins black— or with the disc red, tinted with bluish; or wholly of a blue-black; with all intermediate changes: — legs pitchy; tarsi reddish. (L 3½-4½.) Hedges: Darent Wood; Newmarket Heath; Swaffham Bulbeck, Cambridge; and Sussex: 6.

243 Rhisotrogus Latrelle.

1337 solstitialis L. ii. 554. — Mart. pl. 2. f. 17. — Ste. M. iii. 221. — Pale testaceous: elypeus dull red in front; crown, breast, and abdomen brown-black; elytra paler, suture and outer margin fuscous, disc with 4 obscure raised whitish lines; tip of abdomen granulated, dusky: legs reddish. (L 7-10 l.) Hedges, &c., very abundant in London district, and pretty generally distributed throughout the S. of England: 6-7.

1338† Fallenii Gyll. iv. 258. — Ste. M. iii. 221. — Pitchy-brown: elypeus, sides of the thorax, and the elytra rusty-testaceous, the latter thickly punctate, and somewhat rugged towards the suture; tip of abdomen testaceous; punctured; legs pale testaceous-red. (L. 6½ l.) Derbyshire?: 7?

244 Melolontha of Authors.

1339 vulgaris Fab. E. ii. 161. — Ste. M. iii. 222. — Sa. Melolontha Don. viii. pl. 264. f. 2. — Pitchy-black; pubescent: elytra testaceous with concolorous margins, clothed with whitish scales, with 5 smooth ridges; abdomen gradually terminating in a sharpish point; sides with patches of snowy scales; legs rusty. (L. 10-14 l.) In pastures, flying about trees: very abundant throughout the S. of England; Wales; rather scarce in Scotland: common in S. of Ireland: 5-6.

1340† Hippocastani Fab. E. ii. 162. — Pz. F. xevii. f. 8. — Ste. M. v. 412. — Pitchy-black; pubescent: elytra testaceous, with a narrow black margin; abdomen terminating in a broad obtuse process, which is slightly constricted before the apex. (L. 9½ l.) Banks of Windermere: 7.

1341 Fullo L. ii. 553. — Ste. M. iii. 223. — Cur. ix. pl. 406. — Blackish-brown, or testaceous; punctured: sides of elypeus and head, 3 longitudinal lines on the thorax, a bilobed spot on the scutellum, and numerous irregular patches on the elytra, densely clothed with snowy-white scales;
breast with a tawny down, $\&$ with club of antennae composed of very long leaves. (L. 1 in. 2-8 l.) Sandy places: Deal; Sandwich; Margate; Dover; Hythe: 7.

245 Phyllopertha Kirby.

1342 Horticola L. ii. 554. — Pz. F. xlvii. f. 15. — Ste. M. iii. 224. — Green or blue; pubescent: elypeus and thorax punctured; elytra rusty-testaceous, dull-red, or bluish black, with all intermediate shades, sides dusky; the disc punctate-striate; body and legs greenish-black. (L. 3-5 l.) In flowers: generally distributed throughout Britain; less abundant in the N. than in the S.: 6-7.

1343 suturalis Ent. M. (Newm.) i. 509. — Ste. M. v. 412. — Cur. xi. pl. 526. — Head and thorax black, with a bluish tinge: elytra testaceous, with black hairs, the margins and suture black; body beneath and legs black, with testaceous hairs; antennae testaceous, club black. (L. 3 1/2 l.) Sea shore in N. of Ireland, and in W. of Scotland: 6.

1344 errans Fab. E. ii. 173. — Oliv. i. pl. 8. f. 92. — Ste. M. iii. 224. — Pale testaceous: eyes dusky; thorax with an obscure dusky spot on each side; elytra faintly punctate-striate, the striae disposed in pairs; denticulations of the tibiae and the tarsi pitchy. (L. 4 l.) Near Dartford: 6.

246 Anomala Köppe.

1345 Frischii Fab. E. ii. 172. — Don. xi. pl. 390. f. 2. — Ste. M. iii. 225. — Head, thorax, and scutellum green or blue, bronzed, punctured; sides of the thorax more or less broadly testaceous, or concolorous with the disc; elytra faintly punctate-striate, testaceous with a greenish tint, wholly brassy-green, blue-green, or rich blue, shining; antennae testaceous, club dusky. (L. 5-7 l.) On the coast and in sandy places: Richmond; Ripley; Swansea; Aldborough; Newcastle; Montrose, &c.: 6-7.

1346 Donovani Marsh. i. 44. — Ste. M. iii. 226. — Black-brass, slightly shining: elytra punctate-striate, testaceous, the suture, apex, and sides bronzed-black, the disc with a brown-red band across the middle; legs pitchy. (L. 5 l.) On the sand hills near Newton Nottage, Glamorgan: 6.

1347 Vitis Vill. E. i. 38. — Mart. i. pl. 8. — Ste. M. iii. 226. — Short, ovate; rich, changeable, satiny green; sides of the thorax more or less broadly yellowish: elytra irregularly striated; hinder coxae and front edge of the hinder thighs yellow; antennae testaceous. (L. 6-7 l.) Gardens: London district: 6-7.

247 Anisoplia Köppe.

1348 Agricola L. ii. 553. — Ste. M. iii. 227. pl. xix. f. 1. — Brassy-black; thorax punctate, with a fovea near the angles at the base: elytra glabrous, livid, with the suture, margins, a squarish spot round the scutellum and a short band across the middle of the back, black; legs and antennae black. (L. 7 l.) On the coasts of S. Wales, and Newcastle: 6.

1349 Austrica Hrbst. iii. 98. pl. 24. f. 8. — West. Int. i. (Gen. Syn.) 24. note. — Blue-black, glabrous: elytra dull red, with a square black patch round the scutellum: sides of the abdomen with white fasicules. (L. 7-8 l.) Introduced for the preceding species, probably in mistake for Me. crucigera Hrbst., which is considered as synonymous with Sc. Agricola Marsh. by Schönherr.)

248 Hophia Illiger.

1350 argentea Ol iv. i. 67. pl. 3. f. 22. — Ste. M. iii. 228. — Dull brown-black, slightly pilose; beneath and legs black, with shining silvery or
bluish scales; elytra dull rusty-red, or chestnut:♀ with the base of the antennæ, palpi, elytra, and legs red. (L. 4-4½ l.) Local; hedges, &c.: Highgate; Epping; Newmarket, &c. : 5-6.

1351 graminicola Fab. E. ii. 175. — Pz. F. xxviii. f. 19. — Black, with scattered greenish scales above, beneath more densely clothed with silvery-green ones: elytra flattish, with obscure rudiments of striae; legs pitchy-black; antennæ pitchy, with club black. (L. 4 l.) London district: 6.

Fam. 34. CETONIADÆ MacLeay.

cxxlix. TRICHIUS Body densely tomentose: metasternum not produced: abdomen entire at the apex: anter. tibie 2-toothed.

ccl. ALEUROSTICTUS Body glabrous: metasternum not produced: abdomen with a notch at the apex: anter. tibie 2-toothed; intern. curved in the ♀.

(ccli. VALGUS Body scaly: metasternum not produced: tho. with 2 longitudinal ridges: anter. tibie 5-toothed: abdomen in ♀ terminating in a slender point.)

cclii. CETONIA Body flat, nearly glabrous: metasternum porrected: scutel. very large: epimera also large and conspicuous: elytra sinuated on the sides.

249 TRICHIUS Fabricius.

1352 fasciatus L. ii. 556. — Don. iv. 140. — Ste. M. iii. 230. — Black: head and thorax densely clothed with erect tawny hairs: elytra glabrous, deep satiny black, with a yellow band united (in general) at the suture; abdomen with the tip above densely pilose, beneath pubescent. (L. 7-8 l.) Flowers: Swansea; Exeter; Aberdeen; Loch-rannoch: 6-7.

250 ALEUROSTICTUS Kirby.

1353 variabilis L. ii. 558. — Cur. vi. pl. 286. — Ste. M. iii. 230. — Black, slightly shining; roughly punctured: thorax often with a white dot on the hinder angles; elytra with 5 or 6 white or ochreous spots; ♀ with a yellowish spot on the side of each abdominal segment. (L. 9-10 l.) Rotten oaks: Windsor Forest: 6-7.

1354 nobilis L. ii. 558. — Don. v. pl. 154. f. 1, 2, 3. — Ste. M. iii. 231. — Shining green or coppery gold-colour; beneath coppery: thorax roughly punctured, with a dorsal furrow and a whitish dot at each hinder angle; elytra transversely rugged, with several white spots; abdomen spotted with white on the sides and apex; breast clothed with reddish hairs. (L. 8-10 l.) Rotten fruit-trees, flowers, &c.: London district; Carlisle; Devonshire, &c. : 6-7.

251 VALGUS Scriba.

(1355) hemipterus L. ii. 555. — Herbst. iii. pl. 27. f. 13, 14. — Ste. M. iii. 232. — Black, varied with black and white scales, slightly rugose-punctate: thorax and elytra spotted with white, the latter with 4 waved striae; abdomen beneath and at the tip above clothed with white scales, the latter with 2 black spots. (L. 3-4 l.) London district: ? 6. ?

252 CETONIA Fabricius.

1356 aurata L. ii. 557. — Mill. 150. pl. 2. f. 3. — Ste. M. iii. 233. — Shining golden-green, or deep black; beneath bright copper; head and thorax punctured; scutellum smooth; elytra irregularly punctured, the suture and 3 lines faintly elevated, the apical portion with several waved whitish scales and spots; sternum with its tip somewhat globose. (L.
§ 3. Stirps 3. STERNOXI Latreille.

Fam. 35 BUPRESTIDÆ. Mand. entire: palpi mostly filiform: tho. sometimes lobate behind, the hinder angles but slightly produced, never acute: elytra frequently narrowed at the tip: tarsi short, 3d and 4th joints generally heart-shaped.

Fam. 36 EUCNEMIDÆ. Mand. terminated by a simple tooth: palpi with the apical joint large: tho. generally with grooves beneath for the reception of the antennæ: elytra rounded at the tip: tarsi compressed, or dilated; claws sometimes denticulated.

Fam. 37 ELATERIDÆ. Mand. notched at the tip: palpi terminated by a large 3-angular joint: tho. with the hinder angles produced into an acute spine, the sides beneath with a groove for the reception of the antennæ: prosternum produced behind into a compressed spine, which fits into a groove in front of the mesothorax: tarsi longish and slender.

Fam. 35. BUPRESTIDÆ Leach.

celii. Chrysobothris Scutel. distinct, nearly 3-angular: ant. filiform, 3d joint as long as 4th: elytra serrate at the tip: prosternum flat: intern. legs inserted close together; front thighs thick and toothed.
celv. Dicera Scutel. distinct, not transverse: palpi robust: elytra 2-toothed at the apex: abdomen with the terminal segment 3-dentate in ♀, 2-dentate in ♀: tarsi not dilated, 4th joint as large as 3d.
celvi. Anctylochira Scutel. distinct: palpi max. with terminal joint as long as the preceding, slightly dilated at tip: mentum transverse: elytra 2-toothed at the apex: anter. tibie of ♀ bent and hooked; tarsi slender.
celviii. Buprestis Scutel. distinct, rounded: tho. narrowed in front, 3-lobed behind: elytra rounded at the tip, the disc with raised lines; the sides somewhat waved beyond the middle: tarsi slender.
celix. Anthraxia Scutel. distinct, 3-angular: body flat: tho. and elytra truncate at base, the latter rounded at tip: intern. legs placed close together; hinder thighs straight.
celix. Acrilus Scutel. distinct, 3-angular: body elongate-linear, acuminate: tho. waved at base; somewhat 4-drate: elytra faintly serrated at the tip: tarsi with 4 basal joints pulvillated; claws toothed.
apical joint acute: \textit{interm. legs} wide apart: \textit{tarsi} with 4 basal joints dilated, terminated by a single claws.


253 \textit{Chrysobothris Eschscholtz.}

(1358\dagger) \textit{chrysostigma} \textit{L.} ii. 660. — \textit{Pz.} \textit{F. lxviii.} f. 18. — \textit{Ste.} \textit{M.} iii. 236. note. — Bronzed-purple; beneath brilliant copper: thorax rough; elytra obscure, with 3 raised lines; the sides and 2 impressions on the disc golden-red. (L. 6\frac{1}{2} l.) Improperly stated to be indigenous.

1359\dagger \textit{affinis Fab.} \textit{E.} ii. 199. — \textit{Ste.} \textit{M.} v. 413. — Obscure brassy-purple, very much punctured: elytra obscurely ribbed, the sides concolorous; the disc with 2 golden impressions. (L. 6 l.) Found near Southend: 6.

254 \textit{Lampra Megerle.}

1360 \textit{rutilans Fab.} \textit{E.} ii. 192. — \textit{Pz.} \textit{F.} xxii. f. 8. — \textit{Ste.} \textit{M.} iii. 235. — Brilliant blue- or golden-green: elytra rich metallic green, with the margins bright gold, and the disc sprinkled with violaceous-black spots. (L. 7\frac{1}{2} l.) Timber: Matlock, Derby; Westerham, Kent: 6.

255 \textit{Dicerca Eschscholtz.}

1361\dagger \textit{anea} \textit{L.} ii. 662. — \textit{Ste.} \textit{M.} iii. 296. — Bu. subrugosa \textit{Herbst.} ix. pl. 143. f. 2. — Brassy-brown above, rich copper beneath: head and thorax roughly shagreened; elytra striated, tip narrowed and 2-dentate; legs dusky-copper, punctured. (L. 9 l.) Ebberley House, Devon: 6.

256 \textit{Ancylochira Eschscholtz.}

1362 \textit{rustica} \textit{L.} ii. 660. — \textit{Pz.} \textit{F.} lxviii. f. 19. — \textit{Ste.} \textit{M.} iii. 236. — Shining brass; slightly tinted with green, or bluish: head and thorax punctured, the former narrowed in front; elytra rather deeply striated, truncate at tip; legs brassy. (L. 8 l.) On poplars: Old Brompton: 6.

1363 \textit{flavomaculata Fab.} \textit{E.} ii. 193. — \textit{Pz.} \textit{F.} xxii. f. 9. — \textit{Ste.} \textit{M.} iii. 237. — Above dull bronzed black; head and thorax punctured: the former with a yellow patch in front, the latter with the anterior edge and sides yellow; elytra striated, with 4 irregular yellow blotches; sides of abdomen spotted with tawny; legs brassy-black. (L. 8\frac{1}{2} l.) On poplars: St. George’s Fields: 6.

(1364\dagger) \textit{8-guttata} \textit{L.} ii. 659. — \textit{Herbst.} \textit{A.} pl. 28. f. 7. — \textit{Ste.} \textit{M.} iii. 237. note. — Shining blue-black: head punctured, with some dots in front and the sides of the thorax yellow; elytra striated, with 5 distinct yellow spots; abdomen with 4 rows of spots, and the breast and sides, with other spots and lines, yellow. (L. 6 l.) Said, but incorrectly, to inhabit England.

257 \textit{Melanophila Eschscholtz.}

1365\dagger \textit{tarda Fab.} \textit{S. E.} i. f. 209. — \textit{Pz.} \textit{F.} lxviii. f. 21. — \textit{Ste.} \textit{M.} iii. 236. — Bluish metallic-green thickly punctured, beneath dusky bronze; elytra blue, rounded at tip; legs green or bluish; elypeus yellowish. (L. 6 l.) Near Windsor: ?

258 \textit{Buprestis Linn.}

1366\dagger \textit{splendens Fab.} \textit{E.} ii. 204. — \textit{Lin. Tr. (Marsh.)} x. 399. pl. 32. f. 1, 2. — \textit{Ste.} \textit{M.} iii. 237. — Golden-green: head rough, coppery; thorax punctured, with a smooth dorsal line; elytra with 5 raised lines, 1st, 4th, 5th
short, bluish-green, the sutures and sides golden. (L. 8 l.) In the Wandsworth road; and once in Guildhall, London: 6.

259 Anthraxia Eschscholtz.


(1369) manca Fab. E. ii. 211. — Pz. F. xxii. f. 10. — Ste. M. iii. 238. note. — Red-copper: thorax golden, with 2 obscure lines; elytra obscure, thickly granulated; thighs coppery; tibiae, tarsi, and antennæ obscure. (L. 4 l.) Given as British, but incorrectly.)

1370† 4-punctata L. ii. 662. — Herbst. A. pl. 28. f. 17. — Ste. M. iii. 238. note. — Ovate; dull black, bronzed: thorax with 4 transverse foveæ; elytra thickly rugose-punctate. (L. 2[1/2] l.) Also erroneously given as British.)

260 Ptosima Serville.

1371 9-maculata L. ii. 662. — Ste. M. iii. 240. pl. xix. f. 2. — Shining blue-black: forehead with a round yellow spot; thorax with a faint dorsal line, and 2 round yellow spots behind; elytra irregularly punctate-striate, with 3 yellow spots (varying in size); body slightly pubescent beneath. (L. 6[3/4]-7[1/2] l.) Near Cockermouth, Cumberland: 7.

261 Agrilus Megerle.

1372 biguttatus Fab. E. ii. 212. — Pz. F. xc. f. 8. — Ste. M. iii. 239. — Very brilliant blue-or bronzed-green, thickly granulated: front impressed; elytra with a deep fovea at the base, and a small white villose spot towards the apex, near the suture; abdomen with 3 or 4 bright white villose spots on the sides. (L. 4-8 l.) On felled timber: Darenth Wood; Hampstead and Cuckfield: 6.

1373 viridis L. ii. 663. — Don. v. pl. 174. — Ste. M. iii. 239. — Green-or bluish-brass: forehead convex, with a faint impression; thorax and elytra wrinkled transversely, the former a little narrowed and waved behind; legs and antennae dull bronze. (L 2[3/4]-3[1/2] l.) On oaks: Darenth Wood; Ripley; Hertford; Kensington Gardens; Netley; Frostendon, Suffolk; York, &c.: 6-7.


1375 amethystinus Oliv. E. ii. pl. xi. f. 128. — Ste. M. iii. 240. — Broadish; rich violet-purple; front impressed; thorax slightly dilated on the sides, with two foveæ behind; elytra with a rounded fovea at the base and faintly granulated; body brassy beneath; legs and antennæ black. (L. 3[1/4] l.) Near London: 5.

(1376) Rubi L. ii. 661. — Pz. F. xxix. f. 20. — Ste. M. iii. 241. note. — Bronzed-black: front deeply excavated; thorax foveolated; elytra dull bronze, with about 4 transverse waved ashy bands; legs and antennæ brassy-black. (L. 6 l.) Indicated, erroneously, as British.)
262 Aphanisticus Latreille.

1377 pusillus Olivier. ii. pl. 12. f. 133. — Cur. vi. 262. — Ste. M. iii. 241. — Brassy-black; front deeply notched; sides of thorax expanded; elytra roughly punctate-striate; and an obscure longitudinal impression. (L. 1½-1⅔ l.) Grassy places: Coombe Wood; Southend; Bath; Kingsbridge; (£).

263 Trachys Fabricius.

1378 pygmaeus Fab. E. ii. 219. — Don. viii. pl. 282. — Ste. M. iii. 242. — Head and thorax glossy-copper, smooth: elytra rich blue, moderately punctured, the punctures disposed in lines towards the suture; body beneath brassy-black, rough; legs and antennae brassy. (L. 1⅔ l.) Coombe Wood; Cambridge; and Norfolk: 5-6.

1379 minuta L. ii. 663. — Don. viii. pl. 256. — Ste. M. iii. 243. — Brassy-, bluish-, or greenish-black, slightly shining; pilose: front deeply excavated; thorax with a short stria on each side, and a punctured one near the base; elytra with faint scattered punctures, and 4 narrow waved, whitish, pilose bands. (L. 1¾-1½ l.) On hazel and birch: Coombe and Darenth Woods; Norwood; Epping Forest; Dorset; Hunts: 5-6.

1380 nana Fab. E. ii. 220. — Pz. F. xcv. f. 9. — Ste. M. iii. 243. — Dull brassy-black, glabrous; front slightly excavated; thorax faintly punctured: elytra somewhat 3-angular, rather coarsely punctured in lines; and within the lateral margin a short ridge; body beneath, legs and antennae black. (L. 1½ l.) Coombe Wood: 5-6.

Fam. 36. EUCNEMIDÆ. Westwood.

cclxiv. MELASIS Ant. distant at base; flabellate in 2, serrated in 3; body cylindric: tho. with hinder angles produced and acute, somewhat remote from elytra: scutel. elongate: legs short, compressed.

cclxv. MICRORHAGUS Ant. approximating at the base, serrated, ramose in 4; body narrow, flat: tho. waved behind, and closely attached to base of elytra, which are slightly narrowed behind: legs short, slender.

cclxvi. THROSCUS Ant. distinctly elavate; club 3-jointed, perfoliate: body elliptic, flat: tho. lobate, hinder angles acute; closely applied to the elytra: palpi elavate: legs short, compressed, contractile; tarsi with 4th joint 3-angular.

cclxvii. CEROPHYTUM Ant. longish, serrated, strongly pectinated in 4; body ovoid, flat: tho. closely applied to the base of elytra: palpi with terminal joint stout, ovate: tarsi with 4th joint bilobed.

264 MELASIS Olivier.

1381 buprestoides L. ii. 656. — Cur. ii. pl. 55. — Ste. M. iii. 244. — Black, opaque; sometimes a little chestnut: head and thorax punctured and slightly pubescent, the sides of the latter rather expanded in front, disc with an obscure stria; elytra with interrupted stria, interstices rather rough; legs, antennae, and palpi reddish. (L. 3-3½ l.) Decayed trees: Windsor and New Forests; Halesworth, Suffolk: 6.

265 MICRORHAGUS Eschscholtz.

1382 t pygmaeus Fab. E. ii. 246. — Mann. Evc. pl. 2. f. 4 — 6. ? — Ste. M. iii. 246. — Linear-elongate, black; with a griseous pile: head punctured; crown with a ridge; thorax longish, punctulate; elytra slightly punctured and faintly striate; thighs pitchy; tibiae, tarsi, and antennae reddish. (L. 2½ l.) In Norfolk?
266 Throscus Latreille.

1383 Dermestoides L. ii. 656. — Ste. M. iii. 120. — De. adstrictor Pz. F. lxxv. f. 15. — Oblong-ovate; pitchy-brown; slightly pubescent; punctured: front with 2 ridges; thorax with a notch in front, and a faint ridge before the scutellum; elytra punctate striate, interstices each with a row of coarse punctures: body beneath and legs pitchy-red; antennae brownish. (L. 1-1\frac{1}{10}) Old oaks, and gravel-pits: Coome Wood; Hertford; Ripley; Bexley: 5-8.

1384 Obtusus Westwood. — Cur. iv. pl. 163. — Ste. M. iii. 120. — Ovate; dull chestnut; finely pubescent; punctured: head rounded, front obtuse, not ridged; thorax slightly raised before the scutellum: elytra striated, interstices minutely punctured: legs and antennae dull-red. (L. 2-1\frac{1}{4}) On oaks: Plaistow marshes; Ripley, 6; Ensham, 9; moss, Highgate Wood: 1.

267 Cerophytm Latreille.


Fam. 37. ELATERIDÆ Leach.

ccl xviii. Adrastus Ant. with 2d and 3d joints rather elongate, apical joint longest: body linear-elongate: tho. with the sides acutely margined in the middle: plates at base of the hind legs gradually dilated within.

ccl xix. Dolopius Ant. serrate, with 2d and 3d joints slightly elongate, apical one longest: body nearly linear, somewhat robust: tho. with the sides acutely margined in the middle: basal plates abruptly dilated within.

ccl xx. Agriotes Ant. somewhat moniliform, obtusely serrated, 2d joint longer than 3d, which is equal to the 4th, terminal scarcely longer than 2d: body oblong: forehead and tho. very convex, sides of latter not acutely margined in the middle.


cclxxii. Ectinus Ant. elongate, 2d and 3d joints short, 4th distinctly longer than the 5th, terminal broad, ovate: body very convex, nearly glabrous, rough: basal plates rather broader within.

cclxxiii. Limoni us Ant. longish, serrated, 2d and 3d joints very small: body oblong, somewhat cylindric: tho. elongate, convex: forehead with a distinct ridge: tarsi with the basal joint rather shorter than the 2d.

cclxxiv. Elater Ant. shortish, 2d and 3d joints small, 2d smallest: body flat: tho. with the sides not dilated; forehead with a distinct ridge: basal plates suddenly dilated within and toothed in the middle; tarsi setose, the joints gradually smaller.


cclxxvi. Agrypnus Ant. short, compressed, 2d joint dilated, larger than 3d, basal very robust: body broad, somewhat oval, flattish, densely pubescent: tho. dilated on the sides, base tuberculated: tarsi slender, 2d joint shortest.

cclxxvii. Hypholitus Ant. short, stout, 2d, 3d, and 4th joints small, slender; basal joint very robust: palpi secuiform: body wide, ovate,
nearly glabrous: tho. somewhat 4-drate, convex in the middle: legs slender.
cclxxviii. Cryptomyrma Ant. slender, 2d and 3d joints very small, apical joint short, obliquely truncate: body broad, elongate-ovate, glabrous: tho. transverse, convex: legs slender.
(cclxxix. Drasterius Ant. short, 2d joint very small, somewhat globose, 3d slightly elongate: body ovate: palpi acuminate: forehead with a distinct ridge: hinder trochanters suddenly dilated within: tibiae with long cilia externally.)
cclxxxi. Ludius Ant. compressed, strongly serrated, 2d and 3d joints very small, somewhat globose, terminal abruptly narrowed at the tip: palpi short, rather slender: body convex: tho. narrowed in front, hinder angles large, acute: hinder trochanters spined within.
cclxxii. Ctenicerus Ant. serrated, of of often strongly pectinated, 2d joint minute, somewhat globose, terminal one elongate: palpi rather long: labrum transverse: tho. longer than broad, flattish: body (usually metallic) slightly narrowed behind: hinder trochanters narrow, lanceolate.
cclxxiii. Selatosomus Ant. short, serrated, 2d joint very short, somewhat globose, 3d as large as the 4th, terminal with the apex conical: body broad, glabrous (of brilliant colours), slightly convex: tho. gibbous: tarsi simple.
cclxxiv. Cardiophorus Ant. approximating, 2d joint very short, somewhat clavate, 3d as long as the 4th, obconic, terminal slender, ovate-acute: palpi short: body longish, slightly pubescent: tho. immarginate, very gibbous: scutel. heart-shaped: hinder thights stoutest; tarsi slender, simple.
cclxxv. Aplofasurus Ant. slightly serrated, 2d joint very minute, 3d rather longer and more slender than the 4th: palpi nearly filiform: body slightly pilose: tho. elongate, slightly convex: tarsi slender, simple, 4th joint smallest; claws simple.
cclxxvi. Ctenonyx Ant. simple, not compressed, 2d joint short, slender, somewhat cylindric, 3d and following rather clavate: body clothed with long hairs: tarsi with the 2 basal joints dilated, 3d bilobed, spongy beneath, 4th minute; claws toothed.
cclxxvii. Athous Ant. long, compressed, serrated, 2d joint short, or slightly elongate: palpi short, slender: labrum narrow, transverse: body somewhat linear, pubescent: forehead with a distinct ridge: tarsi with basal joint as long as the 2 following united, 3d dilated spongy; claws simple.
cclxxviii. Camphilus Ant. long, slender, serrated, 2d joint shortish, somewhat globose: head exserted, frontal margin elevated: eyes very large, prominent: body linear: tho. with sides dilated in front, and contracted near the hinder angles, which are somewhat bent outwardly: tarsi and claws simple.

268 Adrastus Eschscholtz.

1386 limbus Fab. E. ii. 242. — Herbst. C. x. pl. 165. f. 11. — Ste. M. iii. 248. — Black, shining; pubescent; punctured: thorax very glossy, the anterior margin, and sometimes hinder angles, testaceous; scutellum black; elytra deeply punctate-striate, interstices faintly punctured, testaceous, suture and outer margin dusky black: legs and antennæ pale dull
red. (L. 2-2½ l.) Grassy places: London district; Devon; Cornwall; Swansea; Cambridge; near Edinburgh, &c.

1837 acuminatus Ste. M. iii. 248. — Rather narrowed behind; fuscous; pubescent; punctured: thorax obscure, hinder angles dull testaceous; scutellum dull ochreous; elytra fuscous, with a broad testaceous streak on the disc, faintly punctate-striate, interstices thickly punctured; legs and antennae testaceous. (L. 2½-3 l.) In hedges: near London (Coombe Wood), and Devon: 5-6.

269 Dolopiulus Eschscholtz.

1838 marginatus L. ii. 654. — Ste. M. iii. 248. — El. lateralis Oliv. E. ii. pl. 8. f. 80. — Pitchy-brown, varying to testaceous; slightly pubescent: margin of the thorax and the legs rusty-red; scutellum dusky; elytra testaceous, with the suture and margins generally black; regularly punctate-striate, interstices roughly punctured. (L. 3-3½ l.) Among herbage, in woods: London district; Bottisham; Swansea; Carlisle; Edinburgh: 4-7.

270 Agriotes Eschscholtz.

1839 sputator L. ii. 654. — Ste. M. iii. 249. — El. variabilis Herbst. C. x. pl. 164. f. 11. — Black; pubescent, slightly shining: thorax longer than broad, sides nearly straight; anterior edge and hinder angles testaceous; elytra deeply punctate-striate, dull testaceous, or dusky, rarely blackish; legs and antennae pale testaceous. (L. 3-3½ l.) Meadows and pastures: very abundant throughout the S. of England: *, *.

1840 obscurus L. ii. 65. — Mart. C. pl. 30. f. 20. — Ste. M. iii. 249. — Short; brown-black, pubescent; opaque; very obtuse in front: thorax gibbous, sides rounded; scutellum black; elytra faintly punctate-striate, pale dusky-black; thighs pitchy-black; tibiae, tarsi, and antennae dusky rust-colour. (L. 4-½ l.) Meadows, &c.: also abundant everywhere: *

1891 lineatus L. ii. 653. — Ste. M. iii. 250. — El. striatus Pz. F. xiii. f. 13. — Fuscous, with a griseous pile: thorax blackish, margins nearly straight, hinder angles very acute; elytra punctate-striate, the striae in pairs; griseous, with the narrowed interstices fuscous or dusky; antennae and legs rusty-red. (L. 4-½ l.) Pastures, &c.; generally distributed: *


271 Sericosomus Serville.

1893 fugax Fab. E. ii. 237. — Ste. M. iii. 251. — Black, very much punctured; clothed with a golden pile: elytra dull chestnut, or dull brown, rather faintly striated; apex of the abdomen slightly testaceous; tip of the thighs, the tibiae, and tarsi dull red. (L. 3½ l.) Near Brockenhurst: 6.

1894 brunnipennis Step. — El. brunneus Ste. M. iii. 252. — Dull black; opaque: thorax with the anterior and hinder angles dull rusty red, the sides beneath the same; elytra dull brown, finely striated; apex of thighs, tibiae, and tarsi dull testaceous; tip of abdomen dull red. (L. 4-½ l.) Hedges: London district; New Forest and N. of England: 6.

var. — Dull rusty-red, very much punctured: thorax brighter, with a black streak in the middle, and 1 on each side scarcely touching the base black; head, antennæ, breast, and base of abdomen black; base of thighs sometimes pitchy. (L. 4 l.) In N. of England, and banks of Loch Tay: 5-6.

1396 fulvicollis Ste. M. iii. 252. — Deep black; punctured; clothed with yellowish pile: thorax bright tawny-red, rather coarsely punctured; elytra bluish-black, faintly punctate-striate; interstices transversely rugose; sides of thorax below bright red. (L. 4 l.) Near Bristol.

272 Ectinus Eschscholtz.

1397 aterrimus L. ii. 653. — Ste. M. iii. 252. — Cur. xv. pl. 694. — Black, opaque; thickly punctate: thorax somewhat linear, disc very convex, especially in front, the base with a channel; elytra crenate-striate, each interstice with a row of short hairs; legs pitchy; tarsi reddish. (L. 5-6½ l.) Grassly places: near Twickenham; Deal; Swansea; Windsor: 6-7.

273 Limonius Eschscholtz.

1398 cylindricus Pk. F. iii. 24. — Ste. M. iii. 253. — Rather narrow; brassy-brown; pubescent; finely punctured: thorax somewhat gibbous in the middle, thickly punctured; elytra rather faintly punctate-striate; body beneath, legs and antennæ brassy-black, the latter longer than the thorax, slightly serrated; pectoral muero incurved, and with a groove. (L. 5-5½ l.)

Var. ? or ? El. nigripes Gyll. i. 395. — Ste. M. iii. 253. — Larger (6 l.): thorax shorter, more deeply punctured, with a distinct dorsal channel; sternum somewhat convex; antennæ shorter than the thorax. Hedges: near Birch Wood; also in Norfolk; Suffolk; near Swansea, &c.: 6.


1400 minutus L. ii. 656. — Ste. M. iii. 254. — El. angustus Herbst. x. pl. 167. f. 4. — Elongate; black; slightly pubescent: thorax shining, oblong, hinder angles short, obtuse, disc punctate, convex behind, sides straight; elytra flattish; punctate-striate; scarcely shining: body brassy beneath; legs black. (L. 3-3½ l.)


1402 † nigrinus Pk. F. iii. 39. ? — Ste. M. iii. 255. — Elongate; deep opaque black, slightly pubescent: thorax rather oblong, very thickly punctate, with a slight fovea behind, the hinder angles long and with a ridge; elytra flattish, ruggedly punctured across. (L. 3½ l.) Cobham: 9.
Black, slightly pubescent: elytra blood-red, with a lanceolate black patch
in the middle of the suture; tarsi pitchy. (L. 5-6 l.) In woods:
Epping Forest; Darenth Wood; Bewdley Forest; Oxford; Salisbury;
Christchurch: 6.
1404 sanguineus L. ii. 654. ? — Don. xv. pl. 508. f. 2. — Ste. M. iii. 256. —
Black; clothed with reddish pile: thorax rather convex; elytra bright
blood-red, spotless; punctate-striate; tarsi pitchy. (L. 4-6½ l.) On oaks:
Highgate and Coombe woods; New Forest; Barmouth; Salisbury and
Spitchwick: 6.
1405 rufipennis Hoffmannsegg. — Ste. M. iii. 256. — Black; clothed through-
out above with fusaceous or black pile; thorax flattish; elytra brightblood-
red, spotless; punctate-striate; tarsi dusky piceous. (L. 5-6 l.) W. of
1406 semiruber Hoffmannsegg. — Ste. M. iii. 257. — Rather narrow; black:
head and thorax clothed with black pile; the latter flattish; elytra bright
blood-red, spotless, sparingly clothed with red hairs, punctate-striate; tarsi
pitchy. (L. 5-6 l.) New Forest, near Brockenhurst; Bristol; Crwmlyn
1407 crocatus Ziegler? — Black; head and thorax clothed with fusaceous
elytra; thorax slightly convex; elytra dull chestnut-red, with the tip
blackish, clothed with tawny pile, and punctate-striate; tarsi pitchy.
(L. 5-6 l.) Sherwood Forest: 6.
1408 Pomona Hoffmannsegg. — Ste. M. iii. 257. — Rather narrow; black,
clothed with fusaceous pile: thorax slightly convex; elytra blood-red, tip
black, punctate-striate; tarsi pitchy. (L. 4½-5½ l.) Darenth Wood;
Barmouth: 6.
1409 praestus Fab. E. ii. 238. — Pz. F. xciii. f. 8. — Ste. M. iii. 257. —
Black; head and thorax clothed with black pile, the latter slightly
punctate; elytra blood-red, the tip black, clothed with a few red hairs,
punctate-striate; tarsi dull red. (L. 3½-4½ l.) On oaks: Darenth Wood;
Nuthurst, Sussex: 6.
1410 balteatus L. ii. 654. — Wood. i. pl. 21. — Ste. M. iii. 258. — Black;
pubescent; punctured: elytra deeply punctate-striate, the base to beyond
the middle rusty-red, apex black; legs and antennae at base pitchy, tip of
the latter and tarsi reddish. (L. 3½-4 l.) Hedges, &c.: Coombe, Darenth,
and Bireh Woods; Windsor; Nutfield; Prestwick Carr, near Newcastle;
Kingsbridge, Devon: 6.
1411 bipustulatus L. ii. 652. — Pz. F. lxxvi. f. 10. — Ste. M. iii. 258. —
Black; flattish; slightly pubescent; punctured: thorax convex, shining,
sides dilated; elytra punctate-striate, dilated in the middle, with a more
or less distinct (rarely obliterated) red spot on the shoulder; legs and
antennae testaceous. (L. 3½-4 l.) Felled timber: New Forest; Bottis-
ham; Bagley Wood; Kimpton; Norfolk: 6.
1412 ustulatusPk. F. iii. 32. — Ste. M. iii. 258. — Black; flattish; slightly
pubescent; finely punctured: thorax convex, shining, sides dilated; elytra
punctate-striate, entirely pale testaceous-red; thighs dusky; tibiae and
tarsi pale testaceous. (L. 3½-4 l.) New Forest; Isle of Wight; Nut-
hurst: 6.

275 Prosternon Latreille.
f. 9. — Dusky; densely clothed above with a changeable pale griseous
silken pubescence, disposed in somewhat irregular bands on the elytra; legs testaceous-brown, tibiae and tarsi palest. (L. 4½-6 l.) Hedges, &c., Coombe and Darenth Woods; Epping; Swansea; Devon; Newcastle; Edinburgh: 5-6.

276 Agrypnus Eschscholtz.

1414 murinus L. ii. 655. — Mart. pl. 31. f. 17.— Ste. M. iii. 259.— Broad; dusky-black; densely pubescent; variegated with whitish above; beneath uniform griseous-ash; thighs and tibiae pitchy; tarsi and antennae dull red. (L. 5-8½ l.) Very abundant, everywhere: 5-6, *.

(1415½ fasciatus L. ii. 655. — Pz. F. lxvi. f. 2. — Ste. M. iii. 259. note.— Black : thorax shagreened, clothed with small silvery scales; elytra varied with white scales, and with a waved band of silvery ones a little beyond the middle. (L. 6 l.) Erroneously stated to be British.)

1416½ varius Fab. E. ii. 229. — Pz. F. lxxvi. f. 3. — Ste. M. iii. 275. — Black, with a reddish tinge: side of the thorax, base of the elytra, and a broad band near the tip of the latter densely clothed with yellowish down; legs and antennae dull red. (L. 5½ l.) Windsor Forest: 6.

277 Hypolitius Eschscholtz.

1417 riparius Fab. E. ii. 243. — Ste. M. iii. 260. — Herbst. x. pl. 165. f. 12. — Glossy brassy-brown; slightly punctured: elytra finely striated; legs testaceous-red; antennae with 2 or 3 basal joints testaceous, remainder black. (L. 2½-3½ l.) Grassy places: rare in London district; in N. of mountainous parts of Wales; Barmouth; Swansea; Edinburgh abundantly, &c.: 5-6.

1418 rivulatus Gyll. i. 403. — Ste. M. iii. 261. — El. riparius Pz. F. xxxiv. f. 12. — Black; above brassy; slightly punctured: head with a broad frontal impression: thorax with the hinder angles rusty-red; elytra rather deeply striated, the outer margin more or less dull red; legs and antennae wholly testaceous-red. (L. 2½-3 l.) Gloucestershire: 6.

278 Cryptohypnus Eschscholtz.

1419 Agricola Zetterstedt. — Gyll. iv. 357. — Ste. M. iii. 261. — Black, slightly pubescent: thorax short, convex, sides expanded in front, hinder angles pale, disc not carinated; elytra with a large oblong pale spot on the shoulder and a small narrow one near the tip; legs, mouth, and antennae pale red. (L. 1½-1½ l.) Grassy places: Bristol; Netley: 5-6.

1420 4-pustulatus Fab. E. ii. 248. — Don. xvi. pl. 545. — Ste. M. iii. 261. — Black, slightly pubescent: thorax convex, the sides dilated in the middle, the disc with a slight dorsal ridge; elytra flatish; with a pale yellowish spot on the shoulder and a smaller rounded one near the tip (rarely wanting); mouth and legs ochreous; antennae black, the base testaceous. (L. 1½-1½ l.) Grassy places: Dulwich; Hertford; Battersea and Copenhagen fields; Epping; Swansea; Devonshire; Dublin; Edinburgh, &c.: 6.


1422 pulchellus L. ii. 656. — Pz. F. lxxvi. f. 8. — Ste. M. iii. 262. — Oblong; black; convex: thorax rather long, the sides rounded and dilated in the middle; disc very convex, with a faint dorsal ridge; elytra deeply punctate-striate, interstices slightly raised; disc more or less spotted
with pale yellowish, rarely spotless; legs and base of antennæ pale red. (L. 1\(\frac{1}{2}-1\frac{3}{4}\) l.) Devonshire and Wales; Capel Cerig: 6.

279 DraSteriUs Eschscholtz.  
1423\(\frac{1}{4}\) bimaculatus Fab. E. ii. 245. — Pz. F. lxxvi. f. 9. — Ste. M. iii. 269. — Black; shining: elytra red nearly to the middle, the apex black, with a white dot; towards the middle of the disc is a black dentate patch united to the black edge; tibiae and tarsi yellowish. (L. 3\(\frac{3}{4}\) l.) Said to be found in Devonshire.)

280 Melanotus Eschscholtz.
1424 fulvipes Herbst. x. 46. pl. 162. f. 2. — Ste. M. iii. 263. — Pitchy-black; pubescent: head and thorax coarsely punctured; elytra faintly punctate-striate, interstices sparingly punctured; legs bright ferruginous; antennæ brownish. (L. 6-10 l.) In rotten wood, &c., throughout the country; rare in Scotland: 5-6.

281 Ludwig Latreille.  
1425 ferrugineus L. ii. 654. — Don. x. pl. 356. f. 1. — Ste. M. iii. 264. — Above dull red, beneath black; thickly punctured: hinder margin of thorax, very rarely the entire disc, and scutellum black; elytra faintly striated; tarsi reddish. (L. 9-11 l.) Decayed trees: Darenth Wood; Windsor; Bottisham; Clengre; Swansea: 6.

282 Ctenicerus Latreille.  
(1426\(\frac{1}{4}\) aulicus Pz. F. lxxvii. f. 6. — Ste. M. iii. 265. — Above dull brassy-green; beneath black-bronze: scutellum and elytra pale, spotless, testaceous, striate punctate; antennæ black, of \(\delta\) pectinated. (L. 7-8 l.) Said to be found in Devonshire.)

1427 pectinicornis L. ii. 655. — Don. x. pl. 356. f. 2. — Ste. M. iii. 265. — Rich brassy-green, shining above, obscure and pubescent beneath: thorax with a deep dorsal furrow; elytra rich green, punctate-striate, interstices finely punctured; legs and antennæ black; the latter pectinated in \(\delta\), serrated in \(\varphi\). (L. 7-9 l.) Grassy places in elevated districts; Malvern Hills; N. Wales; Yorkshire; Newcastle; Wastwater, Cumberland; Edinburgh, &c.: 5-6.

1428 cupreus Fab. E. ii. 231. — Don. xv. pl. 508. — Ste. M. iii. 266. — Beneath brassy-black, or coppery; above red-purple, greenish copper or dusky: thorax with a deep channel; elytra rather faintly punctate-striate, the base mostly with a large yellow or ochreous patch, but sometimes spotless; legs brassy; antennæ pectinated in \(\delta\), serrated in \(\varphi\). (L. 5-7\(\frac{1}{2}\) l.) In similar situations with the foregoing insect: 5-6.

1429\(\frac{1}{4}\) castaneus L. ii. 654. — Pz. F. lxxvii. f. 4. — Ste. M. iii. 266. — Black: thorax clothed with a short, changeable pile; elytra pale testaceous-yellow, with the tip black; disc striated; interstices punctured; antennæ of \(\delta\) pectinated, of \(\varphi\) serrated. (L. 5-6 l.) Moushold Heath, Norwich; and in the Isle of Wight: 6.

1430 sanguinicollis Helwig. — Ste. M. iii. 266. — El. ruficollis Don. xv. pl. 618. f. 1. — Black; pubescent: thorax narrowed in front, bright blood-red, spotless; elytra bluish-black, faintly striated, margin ciliated; tip of the apical joint of tarsi red; antennæ serrated in \(\delta\). (L. 4-4\(\frac{1}{2}\) l.) Under bark of decayed trees: Kensington Gardens; Copenhagen fields; Windsor; Southend; Norfolk: 6.

depressed cinerous hairs disposed in tessellated patches, most evident on the elytra, variable in form and position, the alternate interstices between the striae of the elytra being at times spotless; claws red; antennae black, serrated in $\delta$. (L. 5-7½ l.) Hedges: Battersea fields; Bottisham and Horningsea fens; Epping; moist meadows near Swansea, &c.: 5.

1432 metallicus Ph. F. iii. 19. — Ste. M. iii. 267. — El. nigricornis Pz. F. lxi. f. 5.—Oblong, dusky-brass; pubescent: thorax convex, sides rounded: elytra faintly punctate-striate, tip slightly narrowed; legs pale testaceous; tarsi fuscous; antennae with basal joint dull red, large and bent; the rest black. (L. 4-5 l.) Walsham meadows, near Ripley; in Somersetshire; Swansea: 6.

283 Selatosomus Stephens.

1433 æneus L. ii. 655. — Ste. M. iii. 268. — El. impressus Don. xv. pl. 535. f. 2.—Above glabrous, shining, brassy, green, blue, violet, or purple; elytra sometimes concolorous, at others dissimilar, deeply striate; body beneath green or bluish-brass; legs pitchy-black, or bright red, with dusky tarsi; antennae black. (L. 7-9 l.) Grassy places: Birch Wood; Fakenham; N. Wales; 9; in Scotland: 6.

1434 † cruciatus L. ii. 653. — Pz. F. lxxvi. f. 6. — Ste. M. iii. 269. — Black: thorax with a red line on each side; elytra striated, yellowish, the suture, a band across, rather beyond the middle, the outer edge thence to the apex, and a streak at the shoulders, black; edges of the abdomen red; legs red; tips of the thighs black. (L. 7 l.) Rare: near Windsor: 6.

284 Cardiophorus Eschscholtz.

1435 thoracicus Fab. E. ii. 236. — Mart. pl. 31. f. 32. — Ste. M. iii. 270. — Black; thorax globose, bright red; beneath with a black streak in the middle; claws red. (L. 4 l.) London district; at Windsor; New Forest; Collingbourne Wood; Baron Wood, Cumberland, &c.: 6.

1436 ruticollis L. ii. 653.—Mart. pl. 30. f. 3. — Ste. M. iii. 270. — Shining black: thorax smooth, red, anterior portion black, beneath red, with the front edge and a medial line black; elytra with a bluish tinge, deeply striate; tarsi reddish. (L. 2¼-3 l.) In decaying oaks, near London and in Norfolk: 6.

1437 Equiseti Herbst. C. x. 67. pl. 163. f. 12. — Ste. M. iii. 270. — Black; clothed with an ashy pile: thorax with an obscure dorsal channel; elytra flattish, punctate-striate; legs pitchy-black, base of the thighs, the joints and tarsi testaceous. (L. 2½-5 l.) In grassy lanes: Kew; Birch and Darenth Woods; Bristol; Edinburgh: 5-6.

285 Aplotarsus Stephens.

1438 testaceus Fab. E. ii. 238. — Ste. M. iii. 271. — Black, slightly shining; elytra finely striated, interstices minutely punctured, clear spotless testaceous; eg and basal joints of the antennae the same, apical dusky; mouth pitchy. (L. 3½-4 l.)


1440 Quercus Oliv. ii. 31. pl. 6. f. 60. — Ste. M. iii. 272. — Black; thorax
elongate, sides nearly straight, disc punctured in front; elytra fuscous, with a greenish tinge, tip slightly acute; clothed with an ashy pile, faintly striated, interstices slightly granulated; legs dull testaceous; tibiae pale; basal joint of antennae pitchy. (L. 3-3½ l.) Lanes near Birch and Darenth Woods; Cramond: 6.

286 Ctenonychus Stephens.

1441 hirsutus Ste. M. iii. 273. — Brown-black; densely clothed with longish yellowish-ash-coloured hairs, especially on the head and thorax; elytra elongate, striated; legs pitchy; antennae testaceous. (L. 5 l.) Bristol: 6.

287 Athoüs Eschscholtz.

1442 rhombeus Oliv. E. ii. 31. pl. 2. f. 16.? — El. pubescens Marsham.— Ste. M. iii. 274. — Pale testaceous-red; clothed with an ashy pile, the pubescence appearing abraded on the elytra obliquely, and forming an obscure V; eyes and legs black; antennae slightly serrated. (L. 8-9½ l.) Decayed trees: Lea Wood, and in the New Forest, near Lyndhurst: 6.


1444 hæmorrhoidealis Fab. E. ii. 235. — Ste. M. iii. 275. — El. sputator Don. iii. pl. 96. f. 4. — Linear-elongate; dusky-black; pubescent: thorax linear, the hinder angles short, slightly reddish; elytra faintly punctate-striate, brownish; body beneath fuscous, with the margins of the abdominal segments and the entire terminal one red; legs dull-red, anterior thighs pitchy. (L. 6-8 l.) Abundant in hedges, &c., everywhere: 4-7, *.

1445 elongatus Marsh. i. 385. — Ste. M. iii. 276. — Elongate, narrowed behind; dull chestnut: thorax with hinder angles elongate, acute; elytra flatish, striated; body red chestnut beneath; legs reddish; eyes black. (L. 6 l.) Near Southgate?

1446 subfuscus Gyll. ii. 411. — Ste. M. iii. 276. — Linear-elongate; dusky-black; pubescent: head reddish: thorax with its angles, and generally the entire margins, testaceous-red; elytra pale testaceous, faintly punctate-striate, apex obtuse; sides and tip of abdomen, legs, and antennae testaceous-red. (L. 4-5 l.) Grassly places in New Forest: 6-7.

1447 vittatus Fab. E. ii. 231. — Don. xv. pl. 518. f. 2. — Ste. M. iii. 276. — Elongate; pitchy-fuscous; pubescent: thorax with the anterior and lateral margins and the angles testaceous-red; elytra pale testaceous, with the suture and sides more or less broadly fuscous-black, leaving a pale discoidal stripe; sides and tip of the abdomen reddish; legs and basal joints of the antennae pale testaceous: elytra sometimes entirely blackish. (L. 4-5 l.) Decayed trees in New Forest, and near Bristol; Swansea: 5-6.

1448 angularis Ste. M. iii. 277. — Oblong; pitchy-brown; pubescent: thorax whitish, slightly convex, hinder angles very short, red; elytra fuscous, with a griseous pile, punctate-striate, interstices convex; legs and antennae red, 2d and 3d joints of the latter longish and slender. (L. 5 l.) Devonshire: 6.
1449 longicollis *Fab. E.* ii. 241. — *Pz. F.* xciii. f. 12. — *Ste. M.* iii. 277.— Black, very much punctured; pubescent: thorax elongate, narrow, with a short dorsal groove and 2 foveae behind; the sides and hinder angles testaceous; elytra wider than the thorax, rather deeply punctate-strapate; pale testaceous, outer margin broadly dusky, suture more or less black: ♀ with the thorax broader and more convex; antennae reddish. (L. 4½-5½ l.) Woody places: Darenth and Coombe Woods; New Forest; Norfolk; Bottisham; Swansea: 5-7.


288 CAMPYLOIDES *Fischer.*

1451 linearis *L.* ii. 653. — *Ste. M.* iii. 278. — ♀ El. bicolor *Pz. F.* viii. f. 11.: ♀ El. mesomelus *Pz. F.* vii. f. 6. — Beneath black, sides and tip of abdomen testaceous: thorax red with an impressed cross: elytra striate-punctate, pale testaceous, suture sometimes dusky; base of legs mostly blackish, rest of legs pale testaceous; antennae, tips of the joints sometimes dusky: eyes black: ♀ with the elytra rather dilated, generally black with a red margin, thighs occasionally entirely testaceous. In both sexes the head and the disc of the thorax are at times black, &c. (L. 5-7 l.) Hedges, &c., in the S. of England; not uncommon: 5-6.

§ 3. Stirps 4. MALACODERMA Latreille.

Fam. 38 CERBITIDÆ. *Ant.* 11-jointed, filiform, articulations cylindric: *palpi* filiform; *lab.* short: *head* small, inclined: *body* hard, convex: *tarsi* 5-jointed, penultimate joint bilobed.


Fam. 40 LAMYRIDÆ. *Ant.* 11-jointed, approximating at the base, filiform, sometimes serrated, or pectinated: *max. palpi* much longer than *lab.*; slightly thickened at the tip: *mand.* acule: *head* concealed beneath the anter. margin of thorax: *elytra* wanting in some ♀s.: *tarsi* 5-jointed, penult. joint bifid.

Fam. 41 TELEPHORIDÆ. *Ant.* 11-jointed, rather remote at their origin, elongate, setaceous, rarely serrated: *max. palpi* largest, terminal joint ovate or hatchet-shaped: *head* exserted: *body* very soft: *elytra* long: *tarsi* 5-jointed, penult. joint bifid.

Fam. 42 MELYRIDÆ. *Ant.* 11-jointed, short, setaceous, sometimes serrated: *palpi* nearly equal, somewhat filiform: *mand.* elongate: *head* small, deeply inserted in the tho., which is wider: *body* rather firm; elongate: *tarsi* 5-jointed, joints all simple.

Fam. 43 TRILOIDÆ. *Ant.* 11-jointed, the 3 or 4 terminal joints, especially the apical one, thickened: *head* inflexed, retractile within the tho. to the eyes, the latter lunate, the tho. and *body* elongate, soft: *tarsi* 5-jointed, penult. joint bifid.

Fam. 44 PTINIDÆ. *Ant.* 11-jointed, filiform, elongate, simple, occasionally serrated or pectinated; or shortish, slightly thickened at the apex, with the 3 terminal joints suddenly elongated: *mand.* and *palpi* short, apical joint of latter longest: *head* rounded, deeply inserted in the tho., which is generally produced in front: *tarsi* 5-jointed, short, simple.

Fam. 45 LYMEXYLONIDÆ. *Ant* 11-jointed, short, fusiform, or somewhat serrated: *max. palpi* of ♀ with branched appendages; *lab.* simple: neck

Fam. 46 Bostrichid.Æ. Ant. 10-11-jointed; clavate, basal joint robust; club solid or perfoliated; interm. joints small: palpi short: head globose, deeply inserted in the tho., which is frequently roughened in front: body cylindric: tarsi simple, 4 or 5-jointed.

Fam. 38 CEBRIONIDÆ Stephens.

cclxxxix. Atopa Body oval: ant. simple: tarsi with basal joints heart-shaped; pulvilli wanting.

289 Atopa Paykull.
1452 cervina L. ii. 602. — Cur. v. pl. 216. ♂ & ♀. — Ste. M. iii. 280. — Dusky, or black; clothed with a dense ochreous pubescence; minutely and thickly punctured: the punctures coarse and somewhat in lines on the elytra; tip of abdomen and claws testaceous: ♀ livid, with the elytra, legs, and antennæ testaceous. (L. 4½-5½ l.) In hedges: generally distributed throughout England, Scotland, and Wales: 5-7. ♦.

Fam. 39. CYPHONIDÆ Stephens.

cxc. Scirtes Body hemispheric: ant. simple, rather short, 3d joint scarcely shorter than 2d: hinder thighs thickened, formed for leaping; their tibiae with a long spine at the tip.

cxxi. Cyphon Body oval, rarely hemispheric: ant. rather long, 3d joint minute, much smaller than the 2d, 4th to 10th more or less serrated, rarely simple: hinder thighs slender, simple; tibiae with a short spine at the tip; tarsi with 4th joint bilobed.

cxxii. Eubria Body hemispheric: ant. shortish, slightly serrated: hinder thighs simple; tarsi filiform.

290 Scirtes Illiger.


291 Cyphon Paykull.
1455 chrysomeloides Wilkin. — Ste. M. iii. 283. — Hemispheric; testaceous-red; pubescent: eyes black; scutellum large, oblong, 3-angular; elytra wide, coarsely punctated; legs and antennæ pale, the latter serrated. (L. 2½ l.) Hedges: Coombe Wood: 6.

1456 melanurus Fab. E. i. 502. — Ste. M. iii. 283. — Ci. pallida Pz. F. viii. f. 7.? — Oblong-ovate, testaceous; pubescent; shining: eyes black; tip of elytra, and the abdomen, fuscous; base of antennæ testaceous, apex dusky. Sometimes the elytra are not tipped with fuscous. (L. 2-2½ l.) Hedges, &c., widely, but rather sparingly distributed throughout the country: 5-8. ♦.

1457 latus Pz. F. viii. f. 8. — Ste. M. iii. 284. — Oblong-ovate; testaceous; pubescent: crown dusky or black; elytra punctured, the suture and apex more or less broadly black; abdomen and breast also black.
(L. 2½ l.) On oaks: Lyndhurst; Devonshire; Edinburgh; Swansea; Liverpool: 5-7.


1460 testaceus Ste. M. iii. 285. — Oval; eyes black: body entirely pale testaceous; pubescent, palest below; antennæ also testaceous. (L. 1½-2½ l.) Near London and Bristol: 5-6.


1464 griseus Fab. E. i. 502. — Ste. M. iii. 285. — Ovate; fuscous-black; pubescent: mouth testaceous; thorax very short, front and hinder margins waved; elytra griseous, deep chestnut or fuscous; legs and 4 or 5 basal joints of antennæ pale. Sometimes pale testaceous, with the eyes and tip of the antennæ black. (L. 1-1½ l.) Abundant every where: 5-6.

1465 Padi L. ii. 588. — Ste. M. iii. 287. — Ovate; fuscous-black; with a silken pile: elytra deeply punctured, the apex pale, but the extreme margin fuscous; tibiea, tarsi, and 2d and 3d joints of antennæ pale-testaceous: elytra rarely immaeulate. (L. 1-1½ l.) Hedges: London district; Dover; Brighton; Swansea; Dumfriesshire: 5-6.

1466 ater Ste. M. iii. 287. — Short, ovate; fuscous-black, clothed with a dense silvery pile: elytra rather paler; joints of the antennæ griseous at the base, blackish at the apex. (L. ½ l.) Near Ripley and Hertford: 6.

1467 ochraceus Ste. M. iii. 287. — Oblong; entirely pale ochreous, pubescent; eyes black; tip of antennæ dusky. (L. ¾ l.) Ripley: 6.

1468 imminis Ste. M. v. 415. — Elongate-ovate; deep black; very glossy; slightly pubescent: head and thorax minutely punctured; elytra rather coarsely and thickly punctured; thighs and tibiea pitchy; tarsi and mouth red. (L. 1½ l.) Hedges near London; Ripley; Windsor: 6.

1469 Pini Cur. xiii. pl. 602. — Shining pitchy; thickly and minutely punctured; slightly pubescent: head broad, not concealed by the thorax, the latter very short; elytra ovate; shoulders very prominent; legs,
mouth, and 3 basal joints of antennae ochreous; tarsi fuscos in the middle. (L. 1 l.) On larches: Scotland and Ireland: 6-7.

1470 angulosus Marsh. i. 228. — Ste. M. iii. 287. — Ferruginous, shining; head not concealed by the front of the thorax, the latter convex; elytra thickly punctured, and with a slight double ridge reaching nearly from the base to the apex; legs pale; antennae slightly serrated, black with the base dull red: head and thorax sometimes dusky. (L. 1\(\frac{1}{4}\) l.) Coombe Wood: 6.

1471 dubius Ste. M. iii. 288. — Oblong; testaceous-red; pubescent: eyes black: head not concealed beneath the front of the thorax; elytra with a slightly dusky streak on the suture; body beneath dusky-black, margins of the segments and the tip testaceous; antennae a little serrated, 2d and 3d joints elongate testaceous; rest black. (L. 1\(\frac{1}{2}\) l.) Darent Wood: 6.

292 Eubria Ziegler.

1472 palustris Germ. M. iii. 238. — Westwood Int. 246. pl. 25. f. 18. — Brown-black; slightly pubescent; elytra remotely striated; tarsi red; basal joint of antennae and apex of tibiae testaceous. (L. 1-1\(\frac{1}{2}\) l.) Found near Edinburgh: 6.

Fam. 40. Lampyrinæ Kirby.

cceiii. Drilus Head not rostrated, exserted: tho. transverse, narrowed in front: mand. bidentate at the apex: \(\varphi\) with ant. pectinated: \(\varphi\) apterous, and destitute of elytra.

cceiv. Lampyris Head small, not rostrated, concealed beneath the tho., which is semicircular in front, and has 2 pellucid spots: mand. bidentate at the apex: eyes large: ant. short, approximating: \(\varphi\) apterous; and destitute of elytra.

ccev. Dyctiopterus Head small, produced in front into a rostrum: tho. somewhat 4-drate: mand. entire: ant. long, compressed; elytra in both sexes; \(\varphi\) winged.

293 Drilus Olivier.

1473 flavescens Oliv. E. ii. pl. 1. f. 1. — Ste. M. iii. 289. Wilson, Enc. Brit. pl. 223. f. 9. 12. \(\varnothing\). 8. \(\varphi\) . — Black; pubescent; elytra yellowish, clothed with a griscous pile: \(\varphi\) somewhat cylindric, narrowed in front, fleshy, yellowish-orange; with 2 darker patches on the upper side of each segment of the body. (L. \(\varnothing\) 2\(\frac{1}{2}\)-3\(\frac{1}{2}\) l.; \(\varphi\) 8-10 l.) Grassly places: Darent Wood; Dover: 6.

294 Lampyras of Authors.

1474 noctiluca L. ii. 643. — Samou. pl. 3. f. 1. \(\varnothing\) : f. 2. \(\varphi\) . — Ste. M. iii. 290. — Fuscos: eyes black; margins of thorax pale ash; elytra with 3 elevated lines, interstices roughly punctured; terminal segments of the abdomen beneath yellowish: \(\varphi\) wingless, fuscos, abdomen with a slight dorsal ridge; the extreme edges of the segments palish, the 3 terminal ones below pale. (L. 5-8 l.) Grassly places, heaths, &c.; generally distributed; but rather local: 6-7.


295 Dyctiopterus Latreille.

1476 minutus Fab. E. ii. 117. — Cur. vi. pl. 263. — Ste. M. iii. 291. — Black; pubescent: thorax foveolated; elytra blood-red, with 4 elevated
lines, interstices with a double row of punctures, producing a beautifully reticulated appearance; terminal joint of antennæ testaceous. (L. 3½ l.)

Woods: Coombe and Birch Woods; Tunbridge Wells; Norfolk; Devon; 7-9.

§ B. Lygistopterus De Jean.

(1477+ sanguineus L. ii. 646. — Pz. F. xlii. f. 9. — Ste. M. iii. 291. note. — Glossy-black; sides of the thorax and the elytra blood-red, the latter obscurely striate and ribbed. (L. 4 l.) Improperly introduced as British.)

(1478+ festivus Don. xvi. pl. 544. — Ste. M. iii. 291. note. — Black; the margins of the thorax and the elytra tawny-red; the tip of the latter black; antennæ pectinated. (L. 6 l.) Also improperly introduced as British.)

Fam. 41. TELEPHORIDÆ Leach.

cxcvi. Silis Elytra covering the abdomen, and concealing the wings: tho. transverse, sides straight, with a notch at the hinder angle: ant. serrated, 2d joint minute.

cxcvii. Telephorus Elytra covering the abdomen, and concealing the wings: tho. with sides entire; transverse, rounded in front: ant. with 2d joint generally shortest: claws not toothed.

cxcviii. Podabrus Elytra covering the abdomen, and concealing the wings: tho. with sides rounded, entire, transverse, the anterior margin truncate, hinder slightly emarginate: ant. long, 2d and 3d joints shortest: head narrowed behind: eyes very prominent: claws toothed.

cxcix. Ragonycha Elytra covering the abdomen, and concealing the wings: tho. elongate, truncate behind, rounded in front; sides entire, nearly straight: ant. very long, 2d joint shorter than 3d: eyes rather prominent: claws denticulated.

cc. Malthinus Elytra short, not covering the abdomen, nor concealing the wings: palpi with terminal joint ovate, acuminated at the tip: ant. long and slender: tho. somewhat transverse.

296 Silis Megerle.

1479 ruficollis Fab. E. i. 299. — Ste. M. iii. 293. — Si. rubricollis Charp. H. E. 195. pl. 6. f. 7. — Black; mouth, thorax, and abdomen red; tibiae pitchy. (L. 3-3½ l.) Grassy places: Epping; Whittlesea Mere; Swansea.

297 Telephorus De Geer.

§ A. Thorax with sides nearly straight.

a. Ant. with 2d joint shorter than 3d.


1481 fulvicollis Sahlberg. J. F. viii. 118. — Ste. M. iii. 294. — Black: mouth testaceous; thorax red, sometimes with black marks; scutellum pitchy; legs, base of antennæ, and of palpi and abdomen red, each segment (but the apical) of the latter black at the base. (L. 3-3½ l!) Also common in hedges, &c.: 6.

1483 ater L. ii. 649. — Oliv. E. ii. pl. 1. f. 3. — Ste. M. iii. 294. — Elongate; brown-black: thorax short, edged with red; mouth, tip of thighs, tibiae wholly, and 3 basal joints of antennae yellowish-red. (L. 3-3½ l.)

1484 flavilabris Fall. M. C. i. 12. — Ste. M. iii. 295. — Oblong; black: mouth, 3 basal joints of antennae, the margin of the thorax, tibiae, and apex of the abdomen pale testaceous-red; palpi fuscous: apex of thighs sometimes ochreous. (L. 3-3½ l.) Hedges, flowers, &c.: London district; Swansea; Edinburgh; Waterford, &c.: 6.


b. Ant. with 2d and 3d joints nearly of equal length.

1486 lateralis L. ii. 648. — Ste. M. iii. 296. — Black: head in front, antennae beneath, thorax entirely, margins of the abdomen and the legs testaceous-red; outer edge and tip of the elytra yellowish, disc of the latter with an ashy pile; hinder femora mostly with a dusky ring in the middle. (L. 2-2½ l.) Hedges: Coombe Wood; Epping; Bristol; Southend: 6.


1488 testaceus L. ii. 649. — Mart. C. pl. 29. f. 6. — Ste. M. iii. 296. — Short; black, slightly glossy: thorax 4-drate, the lateral margins testaceous; elytra, tibiae, and base of antennae pale ochreous; palpi fuscosecent. (L. 2-3 l.) Hedges, flowers, &c.: every where: 6.

1489 ochropus Ste. M. iii. 296. — Ca. testacea Pz. F. lvii. f. 4. ?— Black, slightly shining: thorax rather elongate 4-drate, with the lateral margins broadly testaceous; elytra, legs entirely, palpi and base of antennae pale ochreous. (L. 2½-3 l.) Hedges: London district; New Forest; Devonshire; Swansea; Norfolk, &c.: 6.

§ B. Thorax with the sides distinctly rounded.

a. Ant. with 2d joint scarcely longer than 3d.

1490 clypeatus Ill. K. i. 299. — Ste. M. iii. 298. — Ca. nivea Pz. F. lvii. f. 5. — Above pale, with the crown, and the disc of the thorax black, margins whitish, the black patch narrowed in front; legs pale, the hinder pair clouded with fuscous. (L. 3½-4 l.) Dover; Hastings; Suffolk; and Swansea: 6.

1491 dispers Fab. E. i. 295. — Ste. M. ii. 299. — Black; thorax smooth, spotless red; elytra fuscous-black; sides of the abdomen and the anterior legs red; tip of middle thighs and middle of their tibiae black; tip of hinder thighs and their tibiae and tarsi wholly black; 2 or 3 basal joints of antennae testaceous. (L. 5-6 l.) Rare near London; common in Scotland, and near Swansea: 6.

1492 nigricans Fab. E. i. 296. — Ste. M. iii. 299. — Fuscous black: mouth, base of the antennae, margins of the thorax and of the abdomen, and the legs pale-testaceous; tip of hinder thighs and their tibiae black: sometimes all, or interm, and hinder thighs only, are tipped with black:
and the thorax is occasionally wholly red. (L. 5-6 l.) Woods and hedges; common: 6, *. 


b. Ant. with 2d joint shorter than 3d. 

1495 cyaneus Cur. vi. pl. 215. — Ste. M. iii. 300. — Shining black; pubescent: head in front, thorax and abdomen red; elytra cyaneous, with 3 slightly raised lines; basal joint of antennæ red beneath. (L. 6-8 l.) Trees: Midgley Moor, &c., Yorkshire; Newbiggin Wood, Cumberland; S. and central counties of Scotland: 6. 

(1496 † violaceus Ph. F. i. 260. — Ste. M. iii. 300 note. — Black: head, thorax, abdomen and legs red; elytra cyaneous; basal joint of antennæ pale: crown dusky in ♀. (L. 7 l.?) Improperly recorded as British.) 

1497 pellucidus Fab. E. i. 296. — Ste. M. iii. 301. — Black; head in front, thorax, abdomen and legs red; hinder tibiae and extreme tip of their thighs black. (L. 5-6 l.) 

Var.? Te. cantianus Ste. M. iii. 301. — Larger, with the base of the abdomen black. Hedges, &c.: London district; Netley; N. Wales and Swansea; Edinburgh, &c.: 6. 

1498 fuscus L. ii. 647. — Barb. G. pl. 6. f. 3. — Ste. M. iii. 301. — Black: thorax punctate, red, with a black spot on the anterior margin; head in front, sides of the abdomen and 3 basal joints of antennæ red; legs brown-black. (L. 7-8 3 l.) Hedges; Hertford abundantly; Hyde Park; Netley; Glenvilles Wootton; Swansea; Edinburgh: 6. 

1499 rustieus Gyll. i. 330. — Ste. M. iii. 302. — Te. fuscus Oliv. E. ii. pl. 1. f. 1. — Black: thorax punctate, red, with a central black spot; head in front, sides of the abdomen, base of the antennæ and of the thighs red. (L. 5-7 l.) Hedges, &c.; abundant within the metropolitan district; generally distributed throughout Scotland: 6. 

1500 lividus L. ii. 647. — Barb. G. pl. vi. f. 8. — Ste. M. iii. 302. — Pale testaceous-red; thorax spotless: eyes, a dot on the forehead, the breast and base of the abdomen, the tip of the hinder thighs and the hinder tibiae black; apex of the antennæ brownish. (L. 5-7 l.) Hedges, flowers, &c.: extremely abundant throughout England; less so in Scotland: 5-6, *. 


1503 testaceipes Ste. M. iii. 303. — Pale testaceous-red, thorax spotless: eyes black; breast and base of the abdomen pitchy; elytra testaceous-brown; legs pale testaceous; each joint of antennæ tipped with fuscous. (L. 5 l.) Hedges; Ripley and Epping: 6. 

1504 lituratus Gyll. i. 348. — Ste. M. iii. 303. — Above testaceous; thorax
with several angulated black united marks behind; eyes, breast and base of abdomen black, edges of the segments of the latter, and its apex, testaceous; elytra sometimes fuscescent; legs testaceous, thighs generally with a black line; tibiae with a dusky spot near the apex, joints pale. (L. 4½-5½.) Walsam meadows, near Ripley; Bristol; Glanvilles’ Wootton; Swansea: 6.

1505 maeculicollis Ste. M. v. 415. — Pale testaceous; thorax reddish, with a few irregular black marks on the disc; crown with 2 angulated spots, and base of abdomen black; antennae dusky at the tip. (L. 5½ l.) Ripley: 6.


298 Podabrus Fischer.

1509 alpinus Phk. F. i. 259. — Ste. M. iii. 304. — Testaceous: crown black; eyes black; thorax faintly notched behind; disc with a black spot or cloud; elytra lurid-testaceous, or brown-black, roughly punctured; abdomen dusky-black, sides and edges of the segments and its tip testaceous; tarsi dusky: hinder thighs and tibiae sometimes blackish. (L. 6-7 l.) Trees; Coombe, Darenth, and Dulwich Woods; in Dorset, &c.: 6-7.

299 Ragonycha Eschscholtz.

1510 pilosa Phk. F. i. 264. — Ste. M. iii. 298. — Dusky-testaceous; pubescent: eyes prominent, black; thorax somewhat 4-drinate, margined; elytra sometimes ochreous-brown; abdomen with the apex pale; antennae longish, fuscescent, with the base pale. (L. 4-5 l.) Hedges: Ripley, Hertford; Darenth and Dulwich: 6.


1512 fuscicornis Oliv. E. ii. 11. pl. 1. f. 4. — Ste. M. iii. 297. — Black: thorax somewhat 4-drangular, reddish; elytra pale ochreous, with the tip more or less fuscous; legs pale. (L. 3-3½ l.) Hedges: Coombe Wood; Hertford; Hants; Sussex; Suffolk; Norfolk, &c.: 5-6.

1513 pallida Fab. E. i. 299. — Oliv. E. ii. pl. 2. f. 9.— Ste. M. iii. 297. — Shining black: base of the antennae, elytra entirely, and legs pale ochreous; thorax narrow, truncate behind. (L. 3-3½ l.) Trees and hedges: London district; Oxford; Swansea; Carlisle; Edinburgh, &c.: 5-6.

300 Malthinus Latreille.

§ A. Head rhomboidal: eyes very prominent.

1514 flaveolus Phk. F. iii. 446. — Ste. M. iii. 305. — Te. minimus Oliv. E. ii. pl. 1. f. 6. — Yellow: crown black; thorax dull yellow, disc with
2 fuscous spots; elytra fuscous, tip rounded, sulphur yellow; legs dusky yellow; tip of antennæ dusky. (L. 2½ l.) Oaks, &c.: London district; Swansea: 5-6.


1516 humeralis Marsh. i. 374. — Ste. M. iii. 306. — Yellow: crown black; thorax bright yellow, disc fuscous, with a pale dorsāl line; elytra fuscous, with the base pale yellow, and the tip sulphureous; abdomen black. (L. 1½-2 l.) Trees: London district; Bristol: 5-6.

1517 luteolus Kirby. — Ste. M. iii. 306. — Ochreous-yellow: crown with a black band; thorax with a fuscous cloud towards the anterior and posterior edge of the disc; elytra pale ochreous, with the tip sulphureous. (L. 2-2½ l.) Trees: London district; Dover; Devon; Suffolk: 5-6.

1518 fasciatus Oliv. E. ii. 18. pl. 4. f. 14. — Ste. M. iii. 306. — Black: mouth and spot on the front reddish; sides of thorax red; elytra punctate-striate, dusky-black, with a pale-yellowish band in the middle, and a round sulphureous spot at the tip; 4 anterior legs yellow; hinder pair dusky, with the knees paler. (L. 1½-1½ l.) Trees: Dover; New Forest; Netley; Norfolk: 5-6.


1520 biguttatus Ph. F. iii. 445. — Oliv. E. ii. pl. 2. f. 12. — Ste. M. iii. 307. — Black; punctate: mouth yellowish; thorax edged with testaceous; elytra as long as the abdomen, with 2 or 3 obscure striae towards the suture, dull black, tip narrowed and sulphureous; margins of the abdominal segments and its apex yellowish; thighs yellow; tibiae, tarsi, and tip of antennae dusky. (L. 1½-2 l.) Oaks, &c.: throughout the London district; Edinburgh, &c.: 5-7.

1521 frontalis Marsh. i. 363. — Ste. M. iii. 307. — Head black, slightly brassy; forehead yellow: thorax dusky; elytra fuscous, spotless; legs and base of antennae dull testaceous. (L. 1½ l.) Trees: London district; Swansea: 5-6.


§ B. Head rounded: eyes small.

1524 biguttatus L. ii. 648. — Marsh. C. pl. 29. f. 5. — Ste. M. iii. 308. — Black: head large, a little narrowed behind; thorax shortish, smooth, base and apex narrowly edged with reddish; elytra short, dusky, tip sulphureous; base of the thighs and of the antennae beneath yellowish. (L. 2-2½ l.) Woods: London district; Dover; Swansea: 5-6.

1525 nigricollis Kirby. — Ste. M. iii. 308. — Black: head wide; thorax with the edges finely bordered with yellow; elytra short, fuscescent, tip yellow; legs and antennae entirely fuscescent. (L. 2-2½ l.) Woods: London district; Dover; Suffolk; Devon: 5-6.

1526 sanguinicollis Fall. M. C. 15. ? — Ste. M. iii. 309. — Black: thorax
smooth, red, spotless; as wide as the head; elytra linear, roughly punctured, short, fuscous, tip sulphureous; margins of abdominal segments, and its tip, tibiae, tarsi and base of antennæ yellowish. (L. 2 l.) Trees: London district; Edinburgh, &c.: 5-6.


1528 minus L. ii. 649. — Ste. M. iii. 309. — Black: head and thorax smooth, the anterior and posterior (and sometimes the lateral) edges yellow; elytra short, dusky, tip yellow; abdominal segments edged with whitish, apex yellow in the ♀; base of thighs pale. (L. 1½-2½ l.) Trees: London district: 5-6.

1529 cognatus Ste. M. iii. 309. — Black: forehead with a yellow dot; thorax ochreous-yellow, with a black spot on the disc; elytra fuscous, with a small yellow spot at the tip; legs fuscous; antennæ pale at the base. (L. 2-2½ l.) Woods: London district; Swansea: 5-6.

1530 melanocephalus Marsh. i. 374. — Ste. M. iii. 310. — Black: head spotless; thorax yellow, with a glossy central black spot; tip of the elytra yellow; thighs fuscous; tibiae pale; antennæ fuscous, the base pale. (L. 1¾-2 l.) Trees: London district; Bristol; Swansea: 5-6.

1531 concolor Kirby. — Ste. M. iii. 310. — Black: thorax shining, spotless; elytra dull fuscous, longish, spotless; tibiae and base of antennæ dull fuscous, or palish. (L. 1½-1¾ l.) Trees: London district; Bristol; Swansea: 5-6.

1532 brevicollis Pk. F. i. 269. — Ste. M. iii. 310. — Black: mouth fuscous; thorax very short, transverse, flat, shining; elytra linear, thickly punctulate, spotless; body and legs fuscous. (L. ¾-1¼ l.) Trees: Wandsworth Common; Woodland, Devon: 5-6.

Fam. 42. MELYRIDÆ Leach.

ccci. MALACHIUS Palpi filiform, narrowed at the tip: head transverse, deeply inserted into the tho., which has a retractile vesicle in front on each side; and the abdomen is furnished with a similar appendage at the base.

ccci. Aplocnemus Palpi unequal, slightly thickened, the terminal joint a little acute; pilose: ant. short, slightly serrated within, joints transverse: body short, oblong; elytra dilated behind the middle: legs short, stoutish; tarsi simple.

cccii. Enicopus Palpi rather thickened at the apex, and obliquely truncate: ant. rather short, serrated, joints short: body oblong, very pilose: elytra parallel: hinder thighs robust; ♀ with hinder tibia bent; anter. and poster. tarsi with a long, recurved basal spine.

cccv. Dasytes Palpi thickened at the tips, the terminal joint truncate: ant. rather long, joints elongate, occasionally serrated: body narrow, linear, pilose: elytra slightly gaping at the apex: legs long; claws with a membranous process beneath.

cccv. Dolichosoma Palpi short, slightly thickened at the tip, obliquely truncate: ant. longer than the head and thorax, slender, faintly serrated within: body very slender and elongate; elytra acute, scaly: head wider than tho., which is elongate and somewhat cylindric: legs long, slender.

301 MALACHIUS Fabricius.

1533 aeneus L. ii. 648. — Wood. i. pl. 20. — Ste. M. iii. 311. — Brassy-green; head reddish-yellow in front: elytra blood-red, with the base and half the suture brassy-green; thorax with its anterior angles blood-red;
♂ with 2d and 3d joints of antennae produced within. (L. 4-4½ l.)

Gardens and flowery banks: generally distributed in the S. of England: less common in S. Wales and in Scotland: 5-6, *.

1534 bipustulatus L. ii. 648.—Don. xv. pl. 528. f. 2.—Ste. M. iii. 312.

— Green or blue-brass; pilose: mouth oochreous: elytra with an ovate blood-red spot on the inner angle of the apex; antennae black, with 2d and 3d joints short; ♂ with basal joints dilated. (L. 2½-3½ l.)

Grassy places: generally distributed in England and S. Wales: 5-6, *.

1535 laticeps Ste. M. v. 416.—Brassy-green; pilose: head much wider than the thorax, the latter with the anterior angles red; mouth pale testaceous; elytra with a large blood-red spot at the tip; antennae black, the 3d joint short; ♂ with basal joints much dilated. (L. 3½ l.)


1536 viridis Fab. E. i. 307.—Olie. E. ii. pl. 3. f. 11.—Ste. M. iii. 312.

— Blue-green, or violaceous, slightly brassy, pilose: mouth oochreous: elytra with a minute blood-red spot at the tip, or spotless; antennae black, the first joint short, 2d very short, 3d long, obscure; ♂ with basal joint dilated. (L. 1½-2½ l.) On flowers, &c.: Darenth Wood; Dulwich; Cobham; Cambridge; Swansea; Carlisle: 6.

1537 marginellus Fab. E. i. 307.—Ste. M. iii. 313. Ma. 2-spinosus Cur. iv. pl. 167. ♂.—Green or bluish; pubescent: front oochreous: thorax with the lateral margins pale blood-red; elytra with an ovate red spot at the apex, the latter in the ♂ with a concolorous spine within; legs and antennae dull green, ♂ with basal joints dilated. (L. 2½ l.) Apparently confined to the coast: Norfolk; Suffolk; Essex; Kent; Devon: 6.

1538 fasciatus L. ii. 648.—Don. xv. pl. 528. f. 1.—Ste. M. iii. 311.—Brassy-black; glabrous: mouth reddish; elytra with a band a little before the middle, not extending to the suture, and the tip pale red; margins of abdominal segments pale red. (L. 1½-1¾ l.)

Hedges, &c.: London district; Dorset; Carlisle; S. Wales: 6.*

1539 bituberculatus Ste. M. iii. 311.—Brassy-black, glabrous; mouth yellowish; elytra fuscos, with a narrow band rather before the middle, not extending to the suture, and the apex reddish-yellow, the latter with 2 tuberculose processes. (L. 1½ l.)

Hedges, &c.; with the preceding species: 6.

1540 sanguinolentus Fab. E. i. 307.—Olie. E. ii. pl. 3. f. 18.—Ste. M. iii. 314.—Linear elongate, glabrous: brassy-black; lateral margins of the thorax, and the elytra, entirely pale blood-red, the latter sometimes with a dusky cloud towards the scutellum. (L. 2-2½ l.)

Aquatic plants: Whittlesea and Bexley Meres; Crwmlyn Bog; Ealing: 6.

1541 ruficollis Fab. E. i. 307.—Ste. M. iii. 314.—Mag. H. N. (Bab.) vii 378. f. 49. b. c.—Brassy-black, glabrous: thorax entirely red, tip of the elytra pale red; tibia and tarsi pale reddish. ♂ (Ma. bipunctatus Ste. M. v. 416.) with 2 impressed black points at the apex of the elytra. (L. 1½-2 l.)


1542 † thoracicus Fab. E. i. 308.—Olie. E. ii. pl. 2. f. 10.—Ste. M. iii. 314.—Blue-black; glabrous: thorax entirely red; elytra spotless; hinder tibiae pale red. (L. 1½ l.) New Forest: 6.

1543 rubricollis Marsh. i. 371.—Ste. M. iii. 315.—Ma. ruficollis Olie. E. ii. pl. 2. f. 9.—Black; pilose: mouth oochreous; thorax wholly red; elytra with a minute red dot at the tip; margins of the abdominal segments reddish; ♂ with the elytra obliquely truncate, from the margin to the suture. (L. 1½ l.)

Grassy places: Hertford; Ripley; Dulwich; Bristol: 6.

1544 pulicarius Fab. E. i. 708.—Pz. F. x. f. 4. ♂.—Ste. M. iii. 315.—
Dull brassy-green: mouth ochreous; sides of the thorax red; elytra pubescent, apex tawny red; margins of abdominal segments slightly edged with red; tarsi pale; antennae pale, with a black line above: $\delta$ with the tip of the elytra obliquely truncate. (L. 1 1/2-2 1/2 l.) Grassy places: Peak-ham: gardens, Walworth: 6.

(1545) pedicularius Oliv. E. ii. 8. pl. 1. f. 13. — Ste. M. iii. 315. note. — Black: thorax margined, spotless; tip of the elytra red; antennae filiform. (L. 1 1/2 l.) Improperly recorded as British.)

(1546) productus Oliv. E. ii. 13. pl. 7. f. 17. $\delta$. — Ste. M. iii. 315. pl. xix. f. 9. $\varphi$. — Shining black: elytra with a yellowish-red spot at the apex; base of the antennae and the legs yellow, base of thighs black: $\delta$ with the tip of the elytra retuse, with a black spine near the suture; hinder legs black, apex of tibiae pale. (L 1-1 1/2 l.) Bristol: Devonshire and Windsor: 6.

(1547) equestris Fab. E. i. 309. — Pz. F. x. f. 6. — Ste. M. iii. 316. — Brassy-green: elytra bright red, with a 3-angular spot at the base, and an oblique band rather behind the middle brassy-black; thighs red; tibiae and tarsi pale. (L. 2 l.) Bristol: 6.

(1548) humeralis Leach — Ste. M. iii. 316. — Brassy-green: elytra red at the base, brassy at the tip. (L. 1 3/4 l.) W. of England?

302 Aplocnemus Stephens.

(1549) impressus Marsh. i. 226. — Ste. M. iii. 317. — Brassy-black, with flavescent hairs: very thickly and coarsely punctured, the punctures somewhat confluent and irregular on the elytra; tibiae black, with the base and apex pale; or entirely pale; tarsi pale beneath. (L. 2 1/2-3 l.) Under bark of elms: London district; New Forest; Carlisle; Dorsetshire, &c.: 3-5.

(1550) florals Oliv. ii. pl. 3. f. 13. — Ste. M. iii. 317. — Deep black; with a fuscous pile; spotless: thorax punctured, with a fovea on each side at the base; and a longitudinal marginal furrow; elytra rugged, across, with 2 or 3 obscure striae. (L. 2 l.) Not rightly ascertained to be indigenous.

(1551) 4-pustulatus Fab. E. ii. 59. — Oliv. E. ii. 10. pl. 1. f. 2. — Black; hairy: elytra with 2 red spots, one at the base, the other near the apex; the latter sometimes wanting. (L. 2-2 1/2 l.) Said to have been taken in Devonshire.

303 Enicopus Stephens.

(1552) ater Fab. E. ii. 71. — Oliv. E. ii. pl. 2. f. 8. — Ste. M. iii. 318. — Black; densely pilose; deeply punctured, the punctures somewhat dispersed in striae on the elytra; head with an ovate rough impression: $\delta$ with a long incurved spine at the base of the 1st joint of the tarsi, and the hinder tibiae thickened and bent. (L. 3 1/2 l.) Said to occur in Devonshire: 6.

304 Dasytes Paykull.

(1553) niger L. ii. 564. — Pz. F. xevi. f. 9. — Ste. M. iii. 319. — Oblong; black; clothed with erect fuscous hairs, finely punctured: thorax with an impression on each side and a furrow parallel with the lateral margin; antennae obtusely serrated. (L. 2 l.) Windsor; Petworth, and New Forest: 6.

(1554) ceruleus Fab. E. ii. 73. — Pz. F. xevi. f. 10. — Ste. M. iii. 319. — Elongate; hairy; above blue or green: thorax deeply sprinkled with punctures; lateral and hinder margins rounded; elytra obsolescently rugose-
punctate, the apex rounded; antennæ black. (L. 2½-3 l.) Flowers on the coast: Barton Cliff; Christchurch; Herne Bay: 6.

1555 viridis Rossi. M. i. 35. — Ste. M. iii. 319. — Me. cyanus Oliv. E. ii. pl. 2. — Elongate, hairy; rich green, rarely bluish; thorax thickly and rather coarsely punctured, narrowed and angulated behind; elytra linear, deeply rugose-punctate, acuminate at the apex; legs black, tinted with brassy; antennæ brassy-green. (L. 3. l.) Flowers: coast of Cornwall.

1556 aratus Ste. M. iii. — Elongate; brassy or bluish-black, pilose; thorax somewhat cylindric; elytra rather dilated beyond the middle, thickly punctured, tip obtuse; legs and antennæ black. (L. 2-2½ l.) In hedges, amongst nettles: generally, but rather sparingly, distributed throughout England and Wales; also in Dumfriesshire: 6.


1558 flavipes Oliv. E. ii. 12. pl. 3. f. 16. — Ste. M. iii. 320. — Linear-elongate, greenish-black; pubescent; finely punctured: thorax with the sides and base rounded; tibiae entirely, and anterior thighs, and base of antennæ pale testaceous. (L. 1½-2½ l.) In thick hedges: London district; Glanville’s Wootton; Swansea: 6.


305 Dolichosoma Stephens.

1560 linearis Fab. E. ii. 73. — Ste. M. iii. 320. pl. xix. f. 4. — Very slender, filiform, elongate; pale greenish, opaque; very thickly punctured: front foveolated; elytra obsoletely striated; abdomen glossy-brass; legs black, brassy on the thighs; antennæ black, 2d joint testaceous. (L. 2-3 l.) On the coast; Wrabness, Essex; Deal and Southend: 6.

Fam. 43. TILLIDÆ Leach.

ccevi. Tillus Ant. nearly filiform, serrated: palpi unequal; lab. filiform; max. with terminal joint hatchet-shaped: tho. cylindric; body elongate: tarsi distinctly 5-jointed.

ccevii. Tilloidea Ant. somewhat filiform, serrated: palpi irregular; lab. filiform; max. with apical joint hatchet-shaped: tho. nearly heart-shaped: body elongate, cylindric, convex: tarsi with 5 distinct joints.


ccex. Thanasmus Ant. gradually clavate, the 3 terminal joints forming the club: palpi unequal; lab. with terminal joint large, hatchet-shaped; max. minute: tho. somewhat heart-shaped: body wide, pilose, flattish: tarsi 5-jointed, basal joint small.

ccex. Clerus Ant. slender, the 3 terminal joints abruptly larger, forming an ob-3-angular club, with the apical joint acutely produced within: max. palpi filiform; lab. with terminal joint hatchet-shaped; eyes notched: body pilose: tarsi 5-jointed, basal joint minute.

ccexi. Necrobia Ant. shortish, 2d joint nearly globose, the 3 apical joints forming an ob-3-gonal club, with the apical joint as large as the other 2, square and obtuse within: palpi nearly cylindric, terminal joint obovate: tarsi distinctly 5-jointed; clavae entire.

ccexii. Corynetes Ant. rather long, 2d joint somewhat conic, the 3 apical
joints forming a rather slender club, the 2 basal joints rather longest; the terminal 1 acuminate within: pulpi with the apical joint thickened, obconic: tarsi distinctly 5-jointed; clava with a small tooth at the base.

306 Tillus Olivier.

1561 elongatus L. ii. 603. — Oliv. E. ii. 4. pl. 1. f. 1. — Ste. M. iii. 322. — Villose; head black; thorax bright red, with the front edge black; elytra bluish-black; finely punctate-striate: antennae and legs black. ♂ Ti. ambulans Fab. E. i. 282. — Ste. M. iii. 322. — with the thorax glossy black. (L. 2½-4 l.)

Var. Ti. binaculatus Don. xii. pl. 411. f. 2. ♂. — with a pale testaceous spot on the disc of the elytra: both sexes occur. Hedges: Camberwell; Darent; Coombe; Hertford; Windsor; Hereford; Devon; Swansea, &c.: 5-7.

307 Tilloidea Laporte.


308 Opillus Latreille.

1563 mollis L. ii. 621. — Samou. pl. 12. f. 1. — Ste. M. iii. 323. — Elongate; pubescent; fuscescent: forehead and anterior edge of thorax testaceous; elytra with an irregular oblique pale band at the base, a 2d distinct, angulated across rather behind the middle, not touching the suture, and the apex pale; breast pitchy; abdomen reddish; legs pale testaceous; thighs with a dusky ring near the tip; antennae dull red. (L. 3-5 l.) Hedges: Coombe and Darent Woods; Copenhagen fields; Holloway; Kew; Windsor, &c.: 3-6.

1564 univittatus Rossi M. i. 44. — Op. fasciatus Cur. vi. pl. 270. — Ste. M. iii. 324. — Fuscescent-black, villose; deeply punctured: thorax with a dorsal furrow; elytra with a white band across rather behind the middle; legs dull red, with the base of the thighs black; antennae dusky, dull red at the base. (L. 2½-3 l.) Hedges near Winchmore Hill: 6.

309 Thanasismus Latreille.

1565 formicarius L. ii. 620. — Don. viii. pl. 271. f. 2. — Ste. M. iii. 325. — Pilose; red: head and anterior edge of thorax black; elytra black, the base red, towards the apex 2 snowy-white bands, the anterior flexuous, the other broad, and angular behind the middle; tarsi pitchy; terminal joint of antennae rusty at the tip; breast and thorax beneath sometimes black. (L. 3-4½ l.) Under bark of decaying trees: Coombe Wood; Copenhagen fields; Cambridge; Windsor; Dublin, &c.: 4-6.

310 Clerus Geoffroy.

1566 apiarius L. ii. 620. — Ste. M. iii. 325. pl. xix. f. 5. — Blue, slightly pubescent: elytra red, with 3 bluish bands, the 1st before the middle, 2d broader behind the middle, the 3d at the extreme tip; tarsi reddish; antennae dusky, the base dull-red. (L. 4-8 l.) Hedges: Dover; Norfolk; and near Manchester: 6.

1567 alvearius Fab. E. i. 284. — Cur. i. pl. 44. — Ste. M. iii. 326. — Bluish-black, very hairy: elytra red, with a spot at the scutellum, a band united thereto, rather before the middle, a broader band behind the middle,
and a 3d short one within the apex, bluish-black. (L. 5-8 l.) Hedges near Dorking and Leatherhead; also Manchester: 6.

311 Necrobia Olivier.

1568 Quadra Marsh. i. 323. — Ne. violacea Ste. M. iii. 327. — Violet-blue, or blue-green; villose: thorax and elytra thickly punctate, the punctures on the latter in rows; body beneath and legs dull blue, antennae black. (L. 1½-2½ l.) Dried bones, skins, &c.: London district; Dorset; Norfolk; Suffolk; Swansea; Edinburgh: 4-7.

1569 ruficollis Oliv. E. iv. 6. pl. 1. f. 3. — Ste. M. iii. 327. — Cur. viii. pl. 350. — Villose; blue: head and thorax deeply punctate; the latter, base of elytra, and legs red; elytra punctate-striate; abdomen and legs black. (L. 2-2½ l.) Old bones, &c.: London district; Dover; Bristol; Leith; Raehills, &c.: 4-8.

1570 rufipes Oliv. E. iv. 5. pl. 1. f. 2. — Ste. M. iii. 327. — Deep blue; pilose: thorax finely punctured; elytra shagreened; legs wholly red; antennae black, red at the base. (L. 1½-2½ l.) Old bones, &c.: Copenhagen and Battersea fields; Epping, &c.: 4-10.

1571 amethystina Ste. M. v. 417. — Nearly glabrous; purple-violet; base of antennae, thighs, and 4 anterior tibiae red; tarsi and hinder tibiae fuscous; tip of antennae black; elytra punctate, the punctures somewhat placed in rows. (L. 3 l.) Old bones; near London: 6.

312 Corynetes Paykull.

1572 violaceus L. ii. 653. — Ste. M. iii. 328. — Cur. viii. pl. 351. — Shining blue or greenish; clothed with fuscous pile: thorax slightly punctured; elytra obscurely punctate-striate; legs greenish-brown; antennae black, the base fuscous. (L. 1½-2½ l.) Hedges, old bones, &c.: Hertford; Ripley; Epping; Glanville’s Wootton; Swansea, &c.: 5-7.

Fam. 44. PTINIDÆ Leach.

cxxiii. Xiletinus Ant. filiform, moderate, serrated in both sexes, 2d and 3d joints short: palpi with terminal joint hatchet-shaped: body short, ovate: elytra striated, sinuated at the sides: tho. transverse: legs longish.


cxxv. Ptinus Ant. filiform, long, slender, simple, inserted close together; 2d joint short: palpi somewhat filiform: tho. advanced in front, constricted behind; abdomen rather ovate: elytra free: scutel. distinct: eyes rather prominent: legs long; thighs (especially in ♂) clavate.


cxxvii. Gibrium Ant. approximating, somewhat cylindric, 2d and 4th joints rather thickened: tho. short, transverse, smooth, lobate behind: scutel. wanting: elytra united, gibbous, polished: wings 0: legs long; thighs suddenly clavate at tip.

cxxviii. Lasioderma Ant. with basal joint large, robust, 2d and 3d small, the latter to the 10th serrated, 11th elongate, conic, acute: body broad, pubescent: head convex, deflexed: tho. semicircular, transverse: elytra soft, oblong, rounded at apex: tarsi very short.

cxxix. Dorcatoma Ant. elongate, curved, 2 basal joints produced within,
3d — 8th minute, 3 following 3-angular, flattened, very large, sometimes slightly pectinated: palpi unequal, all securiform: body short, transverse, globose: elytra punctate on the back, striate on the sides: tarsi very short.

cexx. Anobium Ant. remote, the 3 terminal joints rather thickened and suddenly elongated, 9th and 10th being somewhat conical, apical ovate: palpi slightly clavate: body oblong-ovate: tho. gibbous; elytra embrazing the abdomen: tarsi short.

cexxi. Dryophillus Ant. remote, the 3 terminal joints very long and slender, the 9th joint being as long as all the preceding joints united, and longer in the ♂, the apical one rather slender: palpi filiform: eyes very prominent: body somewhat cylindric: tarsi long, slender.


313 Xiletinus Latreille.

1573 pectinatus Fab. E. i. 329. — Xi. striatus Ste. M. iii. 330. — Cur. viii. pl. 375. — Black; opaque, with a silken pile; punctulate; elytra punctate-striate, the striae in pairs; legs and antennae red. (L. 1 1/3-1 2/3 l.) Decayed wood: London; Cobham; Bridgewater; Spitweek: 6.

1574 ater Pz. F. xxxv. f. 9. — Ste. M. iii. 331. — Dull-black, with a silken pile; punctured: elytra punctate-striate, the striae regular; tibiae and tarsi testaceous; antennae black. (L. 1 1/2-2 l.) Old trees, &c.: Hertford: 6.

314 Ptilinus Fabricius.

1575 pectinicornis L. ii. 565.—Don. x. pl. 326.—Ste. M. iii. 331. — Fuscose-black; opaque: thorax very convex, anterior margin entire; elytra testaceous-brown, irregularly punctate, the punctures somewhat disposed in striae towards the margins, disc without ridges; legs, antennae, and mouth pale testaceous. (L. 1 1/3-2 1/4 l.) Old willows: London district; Suffolk; Norfolk; Dorset; Swansea; Edinburgh: 4-7.

1576 costatus Gyll. iv. 329. — Ste. M. iii. 332. — Deep satiny black: thorax convex, with the anterior margin notched; elytra dull chestnut, with 2 or 3 faint ridges, and deeply punctured; tibiae, tarsi, and antennae rusty-ochreous. (L. 1 1/4-2 1/2 l.) Old willows and poplars, near London: 6.

315 Ptilus of Authors.

1577 imperialis L. ii. 565. — Pz. F. v. f. 7. — Ste. M. iii. 332. — Oblong; fuscose; with a whitish down: thorax carinated behind; elytra with a waved lobated white patch, and a spot of the same within the apex; legs and antennae dull red. (L. 2-2 1/2 l.) Old hedges: Darenth; Coombe; Hertford; Bristol; Suffolk; Norfolk: Jedburgh, Scotland, &c.: 4-6.

1578 germanus Olte. E. ii. 7. pl. 1. f. 6. — Ste. M. iii. 333. — Oblong-ovate: rusty-brown; villose: scutellum snowy; elytra punctate-striate, black-brown, with 2 waved whitish bands and a spot of the same at the tip; antennae and legs testaceous. (L. 2-2 1/2 l.) Old hedges: near London; Cobham; Norfolk; Suffolk; Devon; Swansea: 4-6.

1579 Rufipes Fab. E. i. 325. — Oliv. E. ii. 8. pl. 2. f. 8. — Ste. M. iii. 333. — Oblong-dusky, with a griseus pile: thorax with 4 teeth, and an impression behind; elytra deeply punctate-striate, shoulders gibbous; legs and antennae red. (L. 2-2 1/2 l.) Old hedges, &c.: London district; Norfolk; Suffolk, &c.: 5-7.
Malaclodermata. — Pinidae.

1580 6-punctatus Px. F. i. f. 20. — Ste. M. iii. 333. — Cur. xiv. pl. 646. — Oblong; fuscescent; pubescent: forehead, scutellum, a short band towards the base of the elytra, and 2 spots towards the apex, snow-white; legs and antennae rusty-brown. (L. 2-2½ l.) Old wood: Hyde Park; Norfolk; Farley, Dorsetshire; houses, Carlisle and Edinburgh: 5-6.

1581 Fur L. ii. 566. — Wood. i. pl. 4. — Ste. M. iii. 334. — Rusty-brown; pubescent: eyes black; thorax with 4 transverse fascicles, and a dorsal groove; scutellum ashy; elytra create-striate, with 2 interrupted whitish bands; legs rusty; thighs clavate; antennae rusty: 𐊢 elongate and more slender. (L. 1½-2 l.) Old houses, museums, &c., throughout the country: clide, 𐊢.

1582 crenatus Fab. E. i. 326. — Ste. M. iii. 334. — Pt. testaceus Olio. E. ii. pl. 2. f. 9. — Dull testaceous; pubescent: thorax gibbous, obsolescely 2-tuberculated, the base narrowed; elytra create-striate, spotless; legs and antennae dull red: 𐊢 small, pale and more elongate. (L. 1½-1½ l.) Old houses, &c.; generally distributed: 4-8.

1583 Lichenenus Marsh. i. 89. — Ste. M. iii. 335. — Pt. bidens Olio. E. ii. pl. 2. f. 10. — Black, or fuscescent: thorax gibbous, obsolescely 2-dentate; scutellum white; elytra striate, obsolescely clouded and waved with white; legs and antennae dull red: 𐊢 with abdomen tumid. (L. 1½-1½ l.) Old palings, &c.: Camberwell; Wandsworth; Cobham; Windsor; Raehills, &c.: 5-6.

316 Mezium Leach.

1584 sulciatum Fab. E. i. 327. — Cur. v. pl. 232. — Ste. M. iii. 335. — Head and thorax clothed with whitish scales; the latter with 2 central ridges, and the hinder margin thickened; elytra chestnut, highly polished; legs and antennæ whitish. (L. 1½-1½ l.) Old houses: London; Swansea: 4-8.

317 Gibbium Kugellan.

1585 scotias Fab. E. i. 327. — Ste. M. iii. 338. — Cur. viii. pl. 342. — Shining chestnut; impunctate; head black; antennæ and legs densely clothed with ochreous down. (L. 1½-1½ l.) Old houses: London (Burton-street); Bristol; Newcastle-on-Tyne: 4-8.

318 Lasioderma Stephens.

(1586 testaceum Ste. M. v. 417. — Convex-ovate; pale testaceous-red; clothed with a pale down; elytra impunctate, the down slightly disposed in lines; legs and antennæ very pale testaceus; eyes black. (L. 1½-1½ l.) Old houses, London: 5-6.)

319 Dorcatoma Herbst.


1588 Bovistæ Ent. H. ii. 100. pl. 3. f. 11. — Ste. M. iii. 337. — Somewhat globose; black; punctulate: thorax wide behind; elytra broad at the base, the outer margin with 2 entire striae and 1 shorter within; legs and antennæ pitchy-brown; eyes divided by a deep groove. (L. 1½ l.) Old trees: near London; Windsor and Spitchwick: 5-6.

1589 rubens Ent. H. ii. 103. pl. 3. f. 12. — Ste. M. iii. 337. — Globose; dull red: thorax very short, rounded behind; elytra punctured, lateral
margin with 3 entire striae; shoulder with a callus; antennae pale testaceous; eyes entire. (L. 1½ l.) Old trees: Regent's Park: 6.

320 ANOBiUM Fabricius.

1590 castaneum Fab. E. i. 322. — Oliv. E. ii. pl. 1. f. 2. — Ste. M. iii. 338. — Fuscous, inclining to chestnut; pubescent: eyes black; thorax roughly punctate, and with a transverse impression within the anterior edge; elytra very deeply crenate-striate, interstices slightly elevated; antennae and legs dull red. (L. 2-2½ l.) In whitethorn hedges: London district; Dorset; Cambridge; Scotland: 5-6.

1591 rufipes Fab. E. i. 322. — Ste. M. iii. 339. — An. brunneneum Oliv. E. ii. pl. 2. f. 6. ? — Elongate; nearly glabrous; dull black: mouth reddish; thorax gibbous, rounded behind; with a dorsal channel, and a somewhat bilobed fovea behind; elytra punctate-striate, interstices convex; legs and antennae red. Suture and sides of the elytra sometimes reddish. (L. 1½-2½ l.) Hedges: London district?; Swansea: 5-6.

1592 pertinax L. ii. 565. — Ste. M. iii. 339. — Cuv. ix. pl. 387. — Dusky-black; obscure; thorax very pubescent, convex; with a ridge behind, giving off 2 branches in front and a 3d in the middle behind, within the lateral margins an impression, and a deeper one at the hinder angles, densely clothed with ochreous pile; elytra punctate-striate, interstices flat: tibiae and tarsi dull red. (L. 2½ l.) Hedges: near London; Windsor and Bridgenorth: 6.

1593 denticolle Creutzer. — Pz. F. xxxv. f. 8. — Ste. M. iii. 339. — Dusky-ferruginous; slightly pubescent: thorax with the lateral margin depressed, and terminating behind in an acute tooth, the disc with an obscure channel, the base with a deep fovea on each side, and another near the anterior angles; elytra slightly punctate-striate; tibiae and tarsi dull red. (L. 2½ l.) Hedges; near London: 6.

1594 striatum Oliv. E. ii. pl. 2. f. 7. — Ste. M. iii. 340. — Pitchy-brown; convex; pubescent: thorax compressed behind, with a dorsal channel and a triangular ridge; and 4 basal foveae, the outer ones deepest; elytra striate, with distinct punctures, interstices flat and finely shagreened; legs and antennae dull red. (L. 1½-2 l.) Abundant in old houses, throughout the country: 4-8.

1595 nitidum Herbst. v. 57. pl. 47. f. 4. — Ste. M. iii. 340. — Pitchy-black; slightly pubescent: thorax with a triangular ridge behind, in which are 2 deep curved foveae; elytra punctate-striate; antennae and legs pale testaceous; thighs sometimes dusky. (L. 1½-1¾ l.) Old houses: London district: 6.

1596 paniculem L. ii. 564. — Pz. F. lxvi. f. 6. — Ste. M. iii. 340 — Ovate; dull red; slightly pubescent: eyes black; thorax convex equal, finely punctured, and with a narrow fovea on each side at the base; elytra rounded at the apex, faintly punctate-striate, interstices flat and roughish; legs and antennae rusty-red. (L. 1½-1¾ l.) In old flour, bread, skins, &c.: London district: 4-7.

1597 tessellatum Fab. E. i. 321. — Pz. F. xlvi. f. 3. — Ste. M. iii. 341. — Rusty-brown; rough: thorax and elytra punctulate, tessellated with flavescent down, the former convex, its anterior edge considerably elevated, the base with 2 shallow foveae; legs pitchy-brown. (L. 2-3½ l.) In old trees, especially willows: widely, but sparingly, distributed throughout England; Swansea: 6-7.

1598 molle L. ii. 565. — Herbst. v. pl. 47. f. 9. — Ste. M. iii. 341. — Oblong; testaceous; pubescent: eyes brown-black; thorax rounded behind and margined, the sides deflexed and rounded; elytra finely
punctured, pale testaceous; legs and antennae dull red, the 3 terminal joints of the latter (especially in the ♂) elongate, filiform, slender. (L. 1½-2 l.)
In pine woods: Ripley; Netley; Carlisle; Swansea; Scotland: 6-7.
1599 Abietis Fab. E. i. 323. — Pz. F. lxvi. f. 7. — Ste. M. iii. 341. — Oblong-ovate; testaceous-brown; pubescent: eyes blackish; thorax truncate behind, the sides flattened; elytra finely punctured, pale reddish; breast dull brown; legs and antennae pale dull red; the 3 terminal joints rather thickened. (L. 2 l.) Fir woods: near Edinburgh and Swansea: 5-6.
321 Dryophilus Cheveriat.
322 Ochina Zieger.
1602 ptinoides Marsh. i. 228. — Ste. M. iii. 342. — Chestnut; pubescent; elytra smooth, with 2 somewhat waved bands composed of pale ashy down; abdomen also with an ashy pile; legs and antennae reddish; eyes black. (L 1½-1¾ l.) Old trees, clothed with ivy: Coombe Wood; Cobham; Ripley; Suffolk; Norfolk: 5-6.
Fam. 45. Lymexylonidae Stephens.
ccexiviii. Lymexylon Ant. simple, pilose; somewhat fusiform, the terminal joint suddenly narrowed in the middle: head vertical, somewhat orbicular: tho. oblong, rather cylindric: body long, linear, flat: elytra nearly covering the abdomen, subulate.
323 Lymexylon Fabricius.
324 Hylecetus Latreille.
Fam. 46. Bostriochidæ Leach.
ccexxv. Cis Ant. with the 3 terminal joints forming an elongate club: max. palpi with apical joint large, oval: mand. bidentate: tho. rounded on the sides, dilated in front: body cylindric, ovate: tarsi 4-merous, 3 basal joints very short: head in ♂ often tubercular or spinose.
ccexxvi. Sinoxylon Ant. short, the 3 terminal joints transverse and forming a somewhat laminated club: palpi filiform; tho. gibbons, produced in front: body short, villose: elytra retuse behind and spinose: tibiae simple.
Apane Ant. with 2d joint elongate, cylindric, the 3 terminal joints forming a perfoliated club: palpi slightly acuminated: tho. somewhat 4-istrate, muralicate in front: elytra linear, retuse behind, and tuberculat: tibiae denticulated, anter. with a spine at the tip.

Bostrichus Ant. with 2d joint short, rather clavate, the 3 terminal joints forming a club: the 2 basal joints of which are oblongoblate, the other ovate-truncate, rather compressed: tho. globose, muralicate: elytra rounded at the apex: tibiae simple, 3d joint small.

Dinoderus Ant. with 2d joint somewhat globose; 3 terminal joints forming a perfoliated club: head transverse: tho. short, gibbous, rough in front: elytra retuse behind: tibiae denticulated; tarsi short.

Rhizophyta Ant. with the 3 terminal joints forming a somewhat laminated club: head small: tho. convex, scabrous in front: elytra elongate, rounded behind: tibiae serrated.

325 Cis Latreille.

1605 Boleti Fab. E. i. 323. — Ste. M. iii. 344. — Dusky-brown, or chestnut; somewhat pubescent, rather glossy, and thickly punctured: thorax unequal, obtusely angulated behind; elytra somewhat irregularly rugulose punctate; legs and antennae pale reddish. (L. 1\(\frac{3}{4}\)-2 l.) In Boleti, &c.: London district; Carlisle; Swansea; Edinburgh; Gravesend: 3-8.

1606 concinnus Marsh. i. 87. — Ste. M. iii. 345. — Ferruginous; pilose: elytra punctate; abdomen red-brown beneath; breast and legs red. (L. 3\(\frac{1}{4}\) l.) Boleti, &c.: London district; Norfolk; and Swansea: 6.

1607 flavus Kirby. — Ste. M. iii. 345. — Testaceous-yellow; somewhat glabrous: eyes black; thorax unequal, convex; elytra smooth; antennae and legs pale testaceous. (L. 1\(\frac{1}{4}\) l.) Boleti, &c.: London district: 6.

1608 micans Fab. E. i. 324. — Herbst. v. pl. 47, f. 11. — Ste. M. iii. 345. — Pitchy-brown, with a short glossy pile: thorax equal, waved in front, the sides narrowly margined; elytra obsoletely and irregularly punctate-subrugose; legs and base of antennae testaceous. (L. 1\(\frac{1}{4}\)-1\(\frac{1}{2}\) l.) In Boleti, &c.: London district: 5-6.

1609 hispidus Ph. F. i. 310. — Ste. M. iii. 345. — An. micans Pz. F. x. f. 8. — Pitchy-brown, with a short rigid pile: thorax equal, waved in front, the sides narrowly margined; elytra obsoletely punctate-striate; legs and antennae wholly testaceous. (L. 1\(\frac{1}{4}\)-1\(\frac{1}{2}\) l.) In Boleti; London district: Devon: 6.

1610 pyrrhocephalus Marsh. i. 86. — Ste. M. iii. 345. — Red-brown; head and front of the thorax red, disc of the latter very convex, black behind; elytra irregularly punctured, clothed with short yellowish pile; body beneath and thighs black; tibiae, tarsi, and antennae red. (L. 1\(\frac{3}{4}\) l.) Boleti; London district: 6.

1611 pygmaeus Marsh. i. 86. — Ste. M. iii. 346. — An. festivum Pz. F. vi. f. 7. — Testaceous-brown, rather long and glabrous: thorax very convex, equal, truncate in front, the sides slightly margined; elytra pitchy, thickly, finely, and irregularly punctatate: legs and antennae wholly testaceous. (L. 1 l.) Boleti; London district and Reading: 6.

1612 rhododactylus Marsh. i. 87. — Ste. M. iii. 346. — Black; narrow; slightly glossy and villose: thorax equal, punctate; elytra obsoletely punctured; legs black; tarsi red; antennae red, club black. (L. 1 l.) Boleti; London district: 6.

1613 nigricornis Marsh. i. 87. — Ste. M. iii. 346. — Black; thorax equal, obscure; elytra smooth, slightly villose: legs testaceous-red; antennae black. (L. 1 l.) Boleti; London district: 6.

1614 ruficornis Marsh. i. 87. — Ste. M. iii. 346. — Black, with a reddish pile:...
MALACODERMA. — BOSTRICHIDÆ.

thorax obliquely truncate in front, and slightly margined; elytra punctate; mouth, antenna, and legs testaceous-red. (L. 1 l.) Boleti: London district : 6.

1615 nitidus Fab. E. i. 324. — Pz. F. x. f. 9. — Ste. M. iii. 347. — Pitchy, or dull red, shining, glabrous: thorax equal, punctate; a little waved in front, sides and hinder edge slightly margined; elytra very convex, rather coarsely and irregularly punctate; legs and antennæ pale dull red. (L. 1 l.) Boleti, common: London district; New Forest; Edinburgh: 6.

1616 fronticornis Frölich? — Pz. F. xeviii. f. 7. — Ste. M. iii. 347. — Short, convex; pitchy-red, with a whitish down; thorax very convex, truncated in front, minutely punctulated; elytra coarsely and irregularly punctured; tip testaceous; legs testaceous-red; antenna pale, club dusky, ♀ with the head 2-tuberculate. (L. 3 l.) Boleti: Ripleys, 6; Barham: 9.

1617 bidentatus Marsh. i. 352. — Ste. M. iii. 347. — Pitchy-black, slightly glossy, nearly glabrous, very convex: thorax deeply waved in front, the middle lobe prominent and forming 2 horn-like processes in the ♀, disc finely punctured; elytra delicately punctured; antenna and legs pale testaceous red: ♀ with 2 short spines on the head. (L. 1-1½ l.) Boleti: London district; New Forest; Oakhampton, Somerset; Swansea; Scotland: 6.

326 Sinoxyylon Duftschmidt.

(1618 † bispinosum Oliv. E. iv. 77. pl. 4. f. 1. — Ste. M. iii. 349. — Black, villose; thorax gibbous, muricate: elytra red-brown, or chestnut, retuse behind and dentate, the dentations irregular. (L. 3½ l.) Improperly introduced into the British list.)

327 APATE Fabricius.

(1619 muricata Fab. E. ii. 378. — Ste. M. iii. 351. note. — Bo. terebrans Oliv. E. 77. pl. 1. f. 4. — Black: elytra reticulated, dentated and retuse behind; thorax gibbous and muricate; club of antenna dull red. (L. 8 l.) A specimen taken in the Isle of Dogs, but evidently imported.)

1620 simuata Fab. E. ii. 381. — Ste. M. iii. 351. pl. xix. f. 6. — Pitchy-black: head very pilose; thorax gibbous in front, with muricated tubercles; elytra irregularly and coarsely punctate, fuscous, behind retuse, with 1 small and 2 large tubercles on the disc, and the inner hinder angle of the suture tubercular; legs pitchy testaceous; antenna rusty. (L. 3 l.) Under bark: Epping Forest: 6

328 BOSTRICHUS Geoffroy.

1621 capueinis L. ii. 562. — Cur. vi. pl. 271. — Ste. M. iii. 350. — Black, opaque; slightly pubescent: thorax somewhat notched in front, the sides with muricated tubercles; elytra irregularly reticulate-punctured, deep red; abdomen and tarsi also red; legs and antennæ pitchy. (L. 5 l.) In decayed trees, &c.: London district; Cromer, Norfolk; Derbyshire; Notts; Bewdley: 5-6.

329 DIODERUS Stephens.


(1623 ocellaris Ste. M. iii. 352. — Pitchy-black; slightly glossy; thorax tuberculate in front, punctate behind; elytra rather deeply punctate, the
punctures disposed in striae, distinctly ocellated, and largest behind; legs and antennae pitchy. (L. 1 ½ l.) Sugar casks? Little Chelsea and London.)

330 Rhyzopertha Stephens.

(1624 pusilla Fab. E. ii. 378. — Ste. M. iii. 354. note. — Pitchy-ferruginous: thorax convex, rough in front; elytra glabrous, shining, punctate-striate; antennae dull red. (L. 1 ¼ l.) Indian roots and seeds; therefore not British.)

1625† cineta Ent. M. (Newm.) ii. 203. — Ste. M. v. 418. — Head and thorax black, hinder portion of the latter testaceous: elytra testaceous, with a wide exterior margin black; legs and antennae testaceous. (L. 1 ½ l.) Newcastle.

§ 4. PSEUDOTETRAMERA Westwood (p.3.)

Stirps 1. RHYNCHOPHIIORA Latreille.

Fam. 47 SCOLYTIDEÆ Ant. short, slightly elbowed, basal joint elongate, apical joints forming a more or less solid mass: labrum obsolete: head slightly rostrated: maxillæ thin, broad, spined without; palpi conical, minute: body oblong, convex: tibiae hooked at the tip; tarsi with 3d joint bilobed.

Fam. 48 CURCULIONIDEÆ Ant. mostly elbowed, basal joint elongated, 2d joint inserted obliquely at its end, 3 or 4 terminal ones forming a club: labrum obsolete: palpi minute; conical: head produced into a rostrum, often of considerable length, at the end of which the mouth is placed; its sides with a groove to receive the antennæ: body oval, narrowed in front; tarsi with 3d joint bilobed.

Fam. 49 ATTELABIDÆ Ant. not elbowed; the 3 or 4 terminal joints forming a club: labrum obsolete: palpi conical: head produced into a rostrum, which is generally cylindrical and bent, without lateral grooves to receive the antennæ: body ovate, narrowed in front; tarsi with 3d joint bifid.

Fam. 50 BRUCHIDÆ Ant. straight, nearly filiform, or slightly clavate, sometimes serrated or pectinated: labrum distinct: palpi exposed, filiform: head produced into a short, broad, and flattened rostrum: elytra abbrivated: hind legs elongate, often very large.

Fam. 47. SCOLYTIDEÆ Westwood.

cccxxi. TRYPODENDRON Funiculas 4-jointed; club solid, acute: labium parallel: head small: tibia serrated, broad at the tip; tarsi simple.

cccxxii. PLATYPUS Funic. 4-jointed; club solid, nearly round: mand. extserted: tho. elongate, cut out on the sides: tibiae short, striated; tarsi longer than the thighs and tibiae united, and very slender.

cccxxiii. POLYGRAPHUS Funic. 4-jointed; club solid, somewhat oval, acuminate: tho. narrowed in front; elytra rounded behind: tibiae denticalcute; tarsi simple.

cccxxiv. TOMICUS Funic. 5-jointed; club 4-jointed, somewhat orbiculate, tunicate: tho. gibbous, broader than the head in front: elytra mostly retuse, and often dentate, behind: tibiae serrated; tarsi simple.

cccxxv. HYLESINUS Funic. 7-jointed; club 4-jointed, oblong, acuminate: tho. convex, waved behind: body short, ovate, sometimes pubescent: tibiae compressed at the tip, denticulate: tarsi with penult. joint bifid.

cccxxvi. SCYLUS Funíc. 6-jointed; club 3-jointed, compressed, ovate, solid: tho. very large, narrowed in front: elytra truncate, retuse: tibiae compressed, entire, hooked; tarsi with penult. joint bifid: abdomen obliquely truncate behind; mucronate in ♂.
Dendroctonus. Funic. 5-jointed; club 4-jointed, somewhat orbicular, compressed: tho. slightly waved at base, narrowed in front: tibia denticulate without; tarsi short, 3d joint bifid.

Hyloastes. Funic. 7-jointed, club 4-jointed, orbicular, compressed: tho. elongate, nearly cylindric: body cylindric: tibia compressed, denticulate without; tarsi short, 3d joint bifid.

Hypothenemus. Ant. 7?-jointed, basal joint long, bent, 2d large, cup-shaped, 2 next minute, remainder forming a large ovate compressed and hairy mass, apparently composed of 3 indistinct joints: head concealed by front of tho., which is obtusely denticulated: elytra rounded behind: tibia compressed: tarsi entire.

Trypodendron Stephens.

Trypodendron domesticum L. ii. 563. — Ste. M. iii. 354. — Ap. limbatus Pz. F. xiii. f. 19. — Cylindric; black; nearly glabrous; punctulated: elytra obsolescently punctate-striate, livid, with the suture and lateral margins broadly fuscous-black; tarsi, apex of tibia and club of the antennae, which is obliquely acuminate, dull red. (L. 1½-2 l.) Decayed trees: near Lyndhurst: 5.

Trypodendron cylindrus Herbst. v. 120. pl. 49. f. 3. — Cur. ii. pl. 51. — Ste. M. iii. 355. — Brownish-black; punctured: elytra deeply striated, the interstices elevated, the apex retuse, dentate and villose; antennae and legs chestnut. (L. 3¾ l.) Old oaks: New Forest and Windsor: 5-6.

Trypodendron linearis De Jean? — Ste. M. v. 419. — Elongate-linear; chestnut-red, faintly punctured: eyes black; elytra deeply striated, interstices elevated, and terminating behind in 3 irregular processes, of which the lateral one is longest, the tip of the elytra suffused with dusky; legs and antennae pale chestnut. (L. 3 l.) Old post: Sydenham: 6.

Polygraphus Erichson.


Polygraphus villosus Ph. F. iii. 154. — Pz. F. xv. f. 3. — Ste. M. iii. 356. — Brown, or dull red, slightly shining, clothed with long pale tawny hairs: thorax ovate, thickly punctate; elytra deeply punctate-striate, interstices flat, each with a row of minute punctures; legs and antennae pale testaceous. (L.1½-1¾ l.) Old oaks, &c.: London district; Bristol; Dover; Swansea: 5-6.

Micrographus Ph. F. iii. 155. — Pz. F. lxvi. f. 11. — Ste. M. iii. 356. — Dull red, shining, slightly pubescent: thorax oblong, rough in front and opaque, punctured behind, with a smooth glossy space in the
middle of the base; elytra finely punctate- striate, the striae vanishing before the apex. (L. 1½ l.) Old trees; near Hertford: 5-6.


§ B. Elytra retuse behind; sometimes dentate.

1634 fusescus Marsh. i. 53. — Ste. M. iii. 356. — Pitchy-brown, clothed with long hairs: thorax rough in front, opaque, rather glossy and finely punctured behind; elytra cylindric, finely punctate-striate, interstices with a row of minute punctures; legs and antennæ reddish. (L. 1-1½ l.) Old trees: London district; Devon; Cornwall; Swansea: 5-6.


1636 bidens Fab. E. ii. 389. — Pz. F. xxxix. f. 21. — Ste. M. iii. 357. — Pitchy-black; slightly shining; with a grísous pile; elytra thickly and finely punctate-striate, the apex retuse-truncate, each with a single large slightly bent tooth on the upper edge of the excavation; legs and antennæ pale red: θ with the apex of the elytra less retuse, and obsequitely dentate. (L. 1¼-1½ l.) Old trees: London district: 5-6.

1637 Laricis Fab. E. ii. 386. — Pz. F. xv. f. 4. — Ste. M. iii. 357. — Pitchy-black, slightly glossy, clothed with pale hairs: elytra punctate- striate, apex retuse, the retuse margin with several irregular denticulations; tibiae and tarsi pale brown; antennæ reddish. (L. 1¼-2 l.) Old larches: Windsor: 5-6.

1638 monographus L. ii. 562. — Pz. F. xxxix. f. 20. — Pitchy-black, shining; elytra reddish, dusky at the base, the apex slightly retuse and armed with 3 short teeth; legs and antennæ pale testaceous: θ with a deep frontal impression. (L. 1½-2 l.) Old pines: London district: 5-6.

1639 Typographus Fab. E. ii. 387. — Ste. M. iii. 358. — Cylindric; testaceous-brown; shining; clothed with pale hairs: elytra faintly punctate-striate, apex slightly retuse, with 3 teeth towards the suture, and 1 externally; legs and antennæ testaceous. ((L. 1½ l.) Old trees: London district: 5-6.

1640 8-dentatus Pk. F. iii. 146. — Ste. M. v. 419. — Pitchy-black; shining; clothed with a yellowish pile: elytra punctate-striate, the apex circularly truncate-retuse, the circumference armed with 4 teeth, of which the 3d is largest. (L. 2 l.) Old trees: London district: 5-6.

1641 monographus De Geer, v. 193. pl. 6. f. 1-7. — Pz. F. xv. f. 3. — Ste. M. iii. 358. — Pitchy-black, or testaceous; slightly shining; clothed with long yellowish hairs: thorax large, produced in front; elytra deeply punctate-striate, the apex truncate-retuse, the margin with 6 teeth, the 4th largest; legs and antennæ pitchy-red. (L. 3 l.) In firs: London district; Swansea: 5-6.

335 Hylesinus Fabricius.

§ A. Body pubescent; rather elongate.

1642 crenatus Fab. E. ii. 390. — Pz. F. xv. f. 7. — Ste. M. iii. 359. — Black; punctured: thorax unequal, coarsely punctured; elytra pitchy-
black, deeply crenate-striate, interstices rough; thighs and tibiae pitchy; tarsi and antennae dull red. (L. 2-2½ l.) Old trees: London district; Netley; New Forest; Swansea; Edinburgh: 5-8.

1843 hæmorrhoidalis Marsh. i. 56. — Ste. M. iii. 359. — Black; opaque; punctured: head glabrous; thorax coarsely punctured; elytra punctate-striate, the apex red; tarsi and antennae red. (L. 1½ l.) Old trees; London district: 5-6.


§ B. Body pubescent; very short, broad.


§ C. Body clothed with scales.

1846 Fraxini Pz. F. lxvi. f. 15. — Ste. M. iii. 360. — Black, pitchy, dull red or ochreous; densely clothed beneath with an ashy pile, above variegated with ashy and brown scales; legs pitchy; tarsi and antennae dull red, club of the latter large and fuscous. (L 2-2½ l.) In decayed ash trees: London district; Carlisle; Swansea; Edinburgh: 4-7.

1847 furcatus Marsh. i. 55. — Ste. M. iii. 360. — Short; dusky, dull red; beneath clothed with a pale pile: thorax above with 3 pale lines; elytra dull red, with an oblique whitish line terminating at the base, and fainter, a 2d near the suture, and a pale circle at the apex. (L. 1 l.) Old trees: London district: 5-6.

1848 coadunatus Marsh. i. 58. — Ste. M. iii. 360. — Black, or fuscous; elytra reddish, striated, with 2 or 3 obscure spots on each, connected on the suture; legs and antennae pale red. (L. 1 l.) Old trees, &c.: London district: 5-6.


336 SCOLTUS Geoffroy.

1850 Destructor Oliv. iv. 78. pl. 1. f. 4. — Cur. i. pl. 43. — Ste. M. iii. 361. — Black; shining: head rough; thorax finely punctulate; elytra pitchy-black or pitchy (sometimes reddish or dull red), punctate-striate, interstices irregularly punctured; abdomen beneath retuse, the 1st segment in the † slightly mucronated; thighs and tibiae pitchy-black; tarsi and antennae reddish. (L. 1½-3 l.) Elm trees, throughout the S. of England: 4-7.

1851 pieicolor Kirby. — Ste. M. iii. 362. — Pitchy-black, shining: thorax elongate, punctulate; elytra reddish, closely striated, the striae obscurely punctate; abdomen retuse; legs and antennae reddish. (L. 1½ l.) Old elms near London and Rye: 4-6.

1852 pygmaeus Oliv. iv. 78. pl. 1. f. 5. — Ste. M. iii. 362. — Black; shining: head granulated; thorax reddish in front, coarsely punctulated; elytra pitchy-red, closely punctate-striate, each interstice with a row of minute punctures; abdomen retuse, mucronate in the †; legs pitchy-
DENDROCTONUS. — HYPOTHENEMUS. 209

red; antennae testaceous. (L. 1½-1¾ l.) Old oaks and elms: London district: 5-6.

337 DENDROCTONUS Erichson.

1653 piniperda L. ii 563. — Cur. iii. pl. 104. — Ste. M iii 363. — Pitchy-black, or testaceous; slightly pubescent: head and thorax finely punctured; elytra punctate-striate; interstices somewhat roughly punctate; legs short, pitchy; tarsi pale testaceous; antennae dull-red. (L. 1¾-1¼ l.) Fir woods: London district; Swansea; Scotland: 4-6.

338 HYLASTES Erichson.

1654 ater Fab. E. ii. 394. — Ste. M. iii. 363. — Elongate, cylindric; black; shining, nearly glabrous: rostrum with a ridge; thorax elongate, somewhat cylindric, thickly punctured; elytra coarsely crenate-striate, interstices flat and transversely wrinkled; legs pitchy; tips of tibiae, the tarsi, and antennae dull red. (L. 2-2½ l.) Old trees: London district: 6-8.

1655 palliatus Gyll. iii. 540. — Ste. M. iii. 363. — Short, pitchy-black, or testaceous; slightly pubescent: thorax above, elytra, tibiae, tarsi, and base of the antennae rusty red; thorax short, the sides dilated, the disc with a ridge; elytra deeply crenate-striate: head punctured in front and with a ridge. (L. 1½ l.) Old trees: London district: 5-8.

1656 angustatus Herbst. v. 111. pl. 48. f. 9. — Ste. M. iii. 364. — Short; black, or pale red; rather pubescent: thorax somewhat cylindric, with a distinct dorsal ridge; elytra and legs pitchy, the former opaque, deeply crenate-striate, interstices narrow, roughish; tarsi and base of antennae testaceous. (L. 1¼-1½ l.) Old firs: Hertford; Swansea: 5-8.

1657 obscurus Marsh. i. 57. — Ste. M. iii. 364. — Short, fuscous-black, obscure; slightly pubescent; thorax punctured, and with an obscure dorsal ridge; elytra dull red or pitchy, deeply punctate-striate; legs and antennae dull red. (L. 1½ l.) Old trees: London district; Swansea: 6-8.

1658 rufescens Ste. M. iii. 364. — Rather elongate; dull red; opaque; slightly pubescent: thorax cylindric, punctate, with an obscure dorsal ridge; elytra rather deeply punctate-striate; antennae and legs pale pitchy-red. (L. 1¾-1¾ l.) Old trees: London district: 5-8.

1659 rufus Marsh. i. 57. — Ste. M. iii. 365. — Short; robust, dull rusty-red; pubescent: head dusky or blackish; thorax deeply punctured; elytra rather deeply punctate-striate, interstices punctured; legs and antennae pale red. (L. 1½ l.) Old trees: London district: 5-8.

1660 piceus Marsh. i. 58. — Ste. M. iii. 365. — Rather narrow, slightly pubescent: head and thorax black, opaque; the latter coarsely punctate, and with a dorsal ridge; elytra dull pitchy, very deeply punctate-striate; body beneath black; legs and antennae pitchy. (L. 1-1½ l.) Old trees: London district: 5-7.

1661 fuscescens Ste. M. iii. 365. — Narrow; fuscous-black, obscure, slightly pubescent, very thickly punctured: thorax not carinated; elytra deeply crenate-striate, interstices rugose; legs black, tarsi reddish; antennae testaceous. (L. 1 l.) Old trees: London district: 5-7.

1662 rhododactylus Marsh. i. 58. — Ste. M. iii. 365. — Minute; black or pitchy; clothed with rigid ash hairs; head and thorax thickly punctate, the former pitchy; elytra deeply punctate-striate: tarsi and base of antennae dull red. (L. ½-¾ l.) Old broom stumps: Coombe Wood: 4-5.

339 HYPOTHENEMUS Westwood.

(1663 eruditus Ent. Tr. (Westw.) i. 34. pl. vii. f. 1. — Ste. M. v. 413. —
Pitchy-black; with fine hairs: thorax tawny, convex and tuberculate in front; elytra punctate- striate; legs and antennæ yellowish. (L. $^{10}$ l.) Found in the cover of a book in profusion.)

**Fam. 48. CURCULIONIDÆ Leach.**

cxcxi. **Rhyncolus** Ant. 9-jointed, elbowed; **funic.** 7-jointed; club minute: *rostrum* short, broad, flat; or longer than the head, cylindric: *tarsi* sometimes simple.

cxcxli. **Cossonus** Ant. 9-jointed, elbowed; **funic.** 7-jointed; club large, ovate, acute: *rost.* elongate, slender, dilated at tip in $\mathcal{Q}$, ant. near the base in $\mathfrak{Q}$: *body* flat.

cxcxli. **Calandra** Ant. 9-jointed, elbowed; **funic.** 6-jointed; club 2-articulate, elongate subovate, acute: *rost.* elongate, rounded, a little bent: *body* flattish.

cxcxlii. **Baris** Ant. 12-jointed, elbowed; **funic.** 7-jointed; club obtusely ovate: *rost.* linear, cylindric, longer than the head, bent: *anter. legs* distant at base, *tibia* with a stout hook within.

cxcxliii. **Mecinus** Ant. 10-jointed, elbowed; **funic.** 5-jointed; club 4-articulate, oval: *rost.* rather short, robust: *body* elongate, nearly cylindric; *pygidium* covered: *anter. tibia* compressed, with a horizontal hook at the tip.

cxcxl. **Gymnaetron** Ant. 10-jointed, elbowed; **funic.** 5-jointed; club ovate: *rost.* filiform, bent, inlined: *body* ovate: convex, scaly; *pygid.* exposed: *anter. tibia* with a minute apical hook.

cxcxli. **Rhinusa** Ant. 10-jointed, elbowed; **funic.** 5-jointed; club ovate: *rost.* free, narrowed at the tip, more or less bent: *elytra* flattish, sub-4-drate; *pygid.* exposed: *anter. tibia* with a minute apical hook.

cxcxlii. **Miarus** Ant. 10-jointed, elbowed; **funic.** 5-jointed; club ovate: *rost.* filiform, bent, with a pectoral groove for its reception: *elytra* flattish, somewhat 4-drate; *pygid.* exposed: *anter. tibia* with a minute apical hook.

cxcxliii. **Cionus** Ant. 10-jointed, elbowed; **funic.** 5-jointed, its 2d joint long, clavate; club oblong-ovate, indistinctly articulated: *rost.* elongate, rounded, bent: *tho.* small, transverse; *body* nearly globose, scaly: *elytra* ample, convex; *thighs* toothed; *tibia* truncate at tip, unarmed.

cxcxliv. **Cleopus** Ant. 10-jointed, elbowed; **funic.** 5-jointed, its 2d joint short, obscure; club indistinctly articulated: *rost.* elongate, bent: *tho.* transverse: *body* somewhat elongate-ovate: *elytra* ample, convex; *thighs* toothed; *tibia* truncate, armed.

cxcl. **Sphærula** Ant. 9-jointed, elbowed; **funic.** 5-jointed; club distinctly 3-articulate, acute: *rost.* elongate, slightly bent: *tho.* conic: *body* convex, narrowed behind; *elytra* gibbous: *thighs* stout in the middle; *tibia* truncate, armed.

cxcli. **Ororbitis** Ant. 12-jointed, elbowed; **funic.** 7-jointed; club ovate, acute: *rost.* inlined, with a short groove beneath the *tho.* for its reception: *tho.* transverse: *body* ovate, gibbous, polished: *legs* remote at base; *thighs* with a groove beneath; *tibia* straight, truncate, unarmed.

cxclii. **Echioïdes** Ant. 12-jointed, elbowed; **funic.** 7-jointed; club ovate, acute: *rost.* long, inlined, bent: pectoral groove extending to base of middle legs: *body* broad, ovate, rough: *thighs* unarmed; *tibia* with an obtuse tooth outside.

cxclii. **Nedyus** Ant. 12-jointed, elbowed; **funic.** 7-jointed; club ovate, acuminate; *rost.* elongate, slender, curved; pectoral groove scarcely reaching beyond the base of the 1st pair of legs: *body* somewhat rhomboidal, rough, scaly: *tibia* straight, unarmed.

cxcliv. **Porphyagus** Ant. 12-jointed, elbowed; **funic.** 7-jointed; club elon-
Curculionidae.

Gate-ovate: rost. long, bent; pectoral groove short: tho. transverse, rounded on the sides: body rather elongated, flat: thighs with a tooth beneath.

cclv. Ceutorhynchus Ant. 12-jointed, elbowed; funic. 7-jointed; club ovate, acuminated: rost. long, bent, inflexed; pectoral groove scarcely extending to base of middle legs: body somewhat rhomboidal, rough: tibiae straight, unarmed.


cclvii. Mononychus Ant. 12-jointed, elbowed; funic. 7-jointed; club oblong, ovate, acute: rost. long, slender, curved, cylindric; pectoral groove rather short: body broad, thick: tho. transverse, produced behind: elytra shorter than abdomen: thighs unarmed; tibiae with a spur at tip; claw 1.

cclviii. Acalles Ant. 12-jointed, elbowed; funic. 7-jointed; club short, ovate: rost. long, stout, bent, inflexed; pectoral groove deep, elongate: tho. rather long: elytra somewhat gibbous, united: scutel. wanting: legs short: tibiae straight, with a hook at the tip; claws 2.

cclix. Rutidosoma Ant. 12-jointed; funic. 7-jointed; club large, acuminated: rost. long, stout, bent; pectoral groove deep, extending to base of middle legs: tho. short, rounded on the sides: scutel. distinct; elytra tuberculated: legs elongate: tibiae bent at base, with a hook at tip.

cclx. Cryptorhynchus Ant. 12-jointed, elbowed; funic. 7-jointed, its 3 basal joints long: club oval: rost. rather long, bent; pectoral groove reaching beyond the base of middle legs, margined: scutel. wanting: legs long; tibiae with a spur at tip; claws 2.

cclxi. Bagous Ant. 12-jointed, short, elbowed; funic. 7-jointed; club large, oval: rost. short, robust, arched: tho. somewhat cylindric: elytra oblong-ovate, with a prominence behind: thighs unarmed: tibiae long, bent, with a hook at tip; tarsi slender.

cclxii. Lyprus Ant. 11-jointed, elbowed; funic. 6-jointed; club large, oval: rost. long, cylindric, bent; pectoral groove deep, reaching to base of anterior legs: body elongate, somewhat cylindric, compressed: thighs clavate, unarmed; tibiae slightly bent near the tip, the latter with a stout hook.

cclxiii. Pachyrhinus Ant. 11-jointed, elbowed; funic. 6-jointed; club oblong, somewhat ovate: rost. short, thick; no pectoral groove; scutel. minute; elytra short, ovate, rounded at tip: thighs stout, unarmed; tibiae also unarmed.

cclxiv. Anoplus Ant. 12-jointed, short, elbowed; funic. 7-jointed; club ovate: rost. thick, slightly bent, free; scutel. small: elytra convex, ovate; pygidium concealed: legs approximating; thighs unarmed; tibiae simple; tarsi broad, terminal joint ciliated, without a claw.

cclxv. Amalus Ant. 11-jointed, elbowed; funic. 6-jointed; club oblong-ovate: rost. long, slender, bent: scutel. minute: elytra ample, convex, shorter than abdomen: thighs robust, unarmed; tibiae straight, also unarmed.

cclxvi. Tychius Ant. 12-jointed, elbowed; funic. 7-jointed; club oblong-ovate: rost. elongate, free, bent, slightly narrowed at tip: body elongate-ovate, densely clothed with scales: tho. globose, rounded: thighs sometimes dentate; tibiae angulated within, with a hook at the apex.

cclxvii. Microrhagus Ant. 12-jointed, elbowed; funic. 6-jointed; club ovate: rost. nearly filiform, free, elongate, bent: body slender, somewhat scaly: tho. transverse, globose: thighs and tibiae unarmed.
ceclxviii. **Sibinia** Ant. 11-jointed, elbowed; **funic.** 6-jointed; club robust, oblong-ovate: rost. elongate, free, slightly bent and narrowed at the tip: tho. produced behind: body densely pubescent: elytra short, broad, flat: thighs stoutish, unarmèd; tibiae slightly compressed, tip rather spinose.

ceclxix. **Orchætes** Ant. 11-jointed, elbowed; **funic.** 6-jointed; club thick, oblong-ovate: rost. free, elongate, bent, inflexed: eyes approximating: tho. small; elytra wide, oblong-ovate, obtusely rounded at tip: thighs (especially the poster.) robust, formed for leaping, sometimes denticulated.

ceclxx. **Tachyerges** Ant. 12-jointed, elbowed; **funic.** 7-jointed; club thick, oblong-ovate: rost. free, longish, slightly bent, inflexed: eyes approximating: tho. small, nearly conic, base subtruncated; elytra subovate, shoulder obtusely angulated: thighs stout, hinder pair thickened, saltatorial, simple; tibiae grooved.

ceclxxi. **Balaninus** Ant. 12-jointed, somewhat broad, elbowed; **funic.** 7-jointed; 2 basal joints longest; club more or less ovate: rost. nearly as long as the body, filiform, bent, slender: body pubescent, somewhat 3-angular: scutel. rounded, elevated: **pygidium** mostly exposed: legs longish; anter. tibiae with a minute hook at the tip.

ceclxxii. **Antionomus** Ant. 12-jointed, long, slender, somewhat basal; **funic.** 7-jointed; club elongate, narrow, acute: rost. long, slender, filiform, slightly bent: body oblong-ovate, convex: **pygidium** conecaled: thighs toothed; anter. tibiae dilated in the middle within, tip of all with a minute hook.

ceclxxiii. **Hydronomus** Ant. 12-jointed, elbowed; **funic.** 7-jointed, 1st joint thick, 2d elongate; club large, short-ovate: rost. free, shortish, stout: body oblong, narrowed behind: legs slender; thighs unarmèd; tibiae curved, with a hook at the tip.

ceclxxiv. **Grypidius** Ant. 12-jointed, elbowed; **funic.** 7-jointed, 2 basal joints longish; club oblong-ovate: rost. longish, slender, bent, cylindric: tho. globose: scutel. small; body somewhat ovate: elytra nearly ovate, gibbous, tuberculated, deflexed behind: thighs unarmèd; tibiae nearly straight, anter. with a minute hook.

ceclxxv. **Erithinus** Ant. 12-jointed, elbowed; **funic.** 7-jointed, 2 basal joints longish, obconic; club oblong-ovate: rost. very long, bent, nearly filiform: scutel. rounded: body oblong: elytra oblong, not tuberculated, rounded at tip: thighs simple; tibiae slightly bent, hooked at the tip.

ceclxxvi. **Notarius** Ant. 12-jointed, elbowed, somewhat apical; **funic.** 7-jointed; club oblong-ovate, acute: rost. very long, bent, cylindric: tho. somewhat globose: body oblong, glabrous: scutel. 3-angular: elytra oblong-ovate: thighs unarmèd; anter. tibiae a little bent at tip, toothed.

ceclxxvii. **Dorytomus** Ant. 12-jointed, elbowed, somewhat apical; **funic.** 7-jointed, basal joint long; club oblong-ovate: rost. very long, slender, bent: tho. short, transverse: scutel. small: elytra elongate, rounded at tip: legs moderate, anter. sometimes elongate: thighs toothed; tibiae with a slight bend near the tip, and hooked.

ceclxxviii. **Pissodes** Ant. 12-jointed, elbowed, central; **funic.** 7-jointed, basal joint shortish; club oval, acuminate: rost. as long as the tho., which is narrowed in front: body very hard, oblong-ovate: scutel. rounded: elytra covering the tip of abdomen: thighs unarmèd; tibiae straight, hooked.

ceclxxix. **Gronops** Ant. 12-jointed, elbowed; **funic.** 7-jointed, basal joint longish; club large, ovate: rost. deflexed, robust, slightly elongate: tho. with a deep notch in front: elytra ribbed, the ribs ending in a tubercle, the apex deflexed: thighs unarmèd; tibiae straight, with a hook at the tip.

cclxxx. **Orthochætes** Ant. 12-jointed, elbowed; **funic.** 6-jointed; club
thick, ovate-globose: rost. shortish, ridged above, rough: tho. coaretate in front: scutel. wanting: elytra oblong-ovate, united, clothed with bristles:

\[\textit{wings 0}: \textit{thighs and tibiae} unarmed, the latter slightly waved.\]

ccclxxxi. \textit{Procas} \textit{Ant.} 12-jointed, slender, elbowed; funic. 7-jointed; club oblong-ovate, acute: rost. long, somewhat clavate, slightly bent: tho. rather globose, waved behind: scutel. minute: \textit{body oblong-ovate, not scaly: legs slender: thighs and tibiae} unarmed.

ccclxxxi. \textit{Hyphera} \textit{Ant.} 12-jointed, elbowed; funic. 7-jointed, its basal joint shorter than the 2d; club oblong-oval: rost. stoutish, a little bent, about as long again as the head: tho. rounded on the sides: scutel. somewhat 3-angular: \textit{body oblong, or ovate, densely scaly: thighs and tibiae} unarmed.

ccclxxxi. \textit{Ellescusc} \textit{Ant.} 12-jointed, stoutish, elbowed; funic. 7-jointed, its basal joint longer than the 2d; club oblong-oval: rost. elongate, slender, slightly bent: tho. narrowed in front, the sides rounded: scutel. rounded; \textit{body} densely scaly: \textit{elytra} oblong-ovate, with a denuded central spot: \textit{thighs} and \textit{tibiae} unarmed.

ccclxxxi. \textit{Plinthus} \textit{Ant.} 12-jointed, stoutish, elbowed; funic. 7-jointed, 2 basal joints longish; club short, rather ovate: rost. somewhat cylindric, elongate: tho. with a dorsal ridge: scutel. wanting: body elongate, hard: elytra oblong, united; wings 0: \textit{thighs} dentate; \textit{tibiae} with a stout hook at the tip.

ccclxxxi. \textit{Molytes} \textit{Ant.} 12-jointed, short, elbowed; funic. 7-jointed; club oblong-ovate: rost. deflexed, longish, thick, with an obscure stria on each side: tho. oblong, rounded on the sides: scutel. minute: \textit{body} broad, ovate, glabrous, very hard: \textit{thighs} toothed; \textit{tibiae} with a strong hook at the tip.

ccclxxxi. \textit{Leiosoma} \textit{Ant.} 12-jointed, short, stout; funic. 7-jointed, basal joint longer than 2d; club oblong-ovate, acute: rost. deflexed, stout, longish, striated: scutel. minute: \textit{body} broad, ovate, hard, wingless, glabrous: elytra punctate-striate: \textit{thighs} obscurely toothed; \textit{tibiae} with a small apical hook.

ccclxxxi. \textit{Hylobius} \textit{Ant.} 12-jointed, shortish, elbowed; funic. 7-jointed, basal joint longish; club compact, oblong-ovate: rost. elongate, striated, rounded: scutel. distinct, rounded: \textit{body} oblong-ovate: elytra with a tubercle towards the apex, free; wings ample: \textit{thighs} toothed; \textit{tibiae} with a hook.

ccclxxxi. \textit{Tanysphyrus} \textit{Ant.} 12-jointed, elbowed; funic. 7-jointed, its basal joint short, thick; club large, somewhat globose: rost. elongated, stout, bent, flattish at tip: scutel. minute: \textit{body} oblong-ovate: elytra deflexed near the apex, the latter narrowed: legs elongate; \textit{tibiae} with a stout apical hook.

ccclxxxi. \textit{Alophus} \textit{Ant.} 12-jointed, elbowed; funic. 7-jointed, 2 basal joints long; club oblong, somewhat ovate: rost. as long again as the head, thickened towards the apex: tho. rather oblong: scutel. minute, distinct: \textit{body} oblong; elytra narrowed to the tip; united: \textit{thighs} unarmed; \textit{tibiae} dilated at the apex, unarmed.

ccce. \textit{Barynotus} \textit{Ant.} 12-jointed, elbowed; funic. 7-jointed, 2 basal joints longish; club oblong-ovate: rost. short, stout, thickened at the tip, ridged: tho. somewhat transverse, ridged: scutel. minute: elytra united, notched at the base; suture raised: \textit{body} ovate, wingless: \textit{thighs} unarmed; \textit{tibiae} with a minute hook.

ccce. \textit{Merionus} \textit{Ant.} 12-jointed, elbowed; funic. 7-jointed, 2 basal joints longish; club oblong-ovate: rost. short, stout, thickened at the tip, grooved: tho. nearly transverse, with a dorsal channel: scutel. minute:
body oblong, wingless: elytra united, notched at the base; suture raised at apex: thys unarm.s; tibiæ with a minute hook.

cccxxii. Leioresphleus Ant. 12-jointed, longish, elbowed; funic. 7-jointed, 3 basal joints longish; club elongate-ovate: rost. as long as the head, stout: tho. transverse; scutel. 3-angular: body ovate, pubescent, wingless: elytra entire at base, ample: thys toothed; tibiæ unarméd.

cccxxiii. Otiorhynchus Ant. 12-jointed, long, elbowed; funic. 7-jointed, 2 basal joints longish; club somewhat ovate: rost. as long as the head, horizontal, thickened and divericating at the tip, furnished on each side with a lobe beneath the insertion of the antennæ: tho. convex: scutel. minute: body ovate, glabrous, wingless: abdomen concave towards the base in  

cccxxiv. Trachyphleus Ant. 12-jointed, elbowed; funic. 7-jointed, basal joint longer than 2d; club small, ovate: rost. as long as the head, de- flexed, linear, flattish: tho. transverse: sides expanded: scutel. wanting: body ovate, short, retuse or hispid: elytra ample, united: thys unarméd; tibiæ hooked.

cccxxv. Philopedon Ant. 12-jointed, elbowed; funic. 7-jointed, basal joints longer than 2d; club short, ovate: rost. very short, broad, flat above, notched at tip: eyes prominent: tho. transverse: scutel. 3-angular: elytra very convex, rounded: thys and tibiæ unarméd.

cccxxvi. Strophosomus Ant. 12-jointed, slender, elbowed; funic. 7-jointed, 

basal joint shorter than 2d; club oblong-ovate: rost. short, very broad, notched at the tip: 

eyes globose, very prominent: tho. transverse: scutel. minute: elytra ample, ovate, convex, united: thys and tibiæ unarméd.

cccxxvii. Sciaphilus Ant. 12-jointed, slender, elbowed; funic. 7-jointed, 

2 basal joints long; club elongate-ovate, acute: rost. scarcely longer than the head, flattish, notched at tip: eyes moderate: body oblong-ovate, winged: elytra large, retuse: thys toothed; tibiæ unarméd.


cccxxix. Sitona Ant. 12-jointed, short, elbowed; funic. 7-jointed, basal joint longer than 2d, remainder nodose; club elongate-ovate: rost. short, horizontal, above flat, with a longitudinal channel: eyes rather prominent: scutel. minute, rounded: elytra elongate, rounded, mostly free: body oblong, generally winged.

cccc. Polydrusus Ant. 12-jointed, longish, elbowed; funic. 7-jointed, 2 basal joints nearly equal; club ovate, acute: rost. short, thick, slightly rounded: eyes slightly prominent: tho. small: body oblong, densely sealy, winged: thys somewhat toothed; tibiæ unarméd.

ccci. Nemicois Ant. 12-jointed, slender, elbowed; funic. 7-jointed, 2 basal joints of nearly equal length; club elongate-ovate: rost. short, stout, recurved at tip: eyes prominent: tho. small: body elongate, pilose: elytra somewhat cylindric, rounded at tip: thys acutely toothed.

cccci. Phyllorbus Ant. 12-jointed, stoutish, elbowed; funic. 7-jointed, 2 basal joints elongate; club narrow, acute: rost. short, horizontal; deeply notched at tip: eyes prominent: tho. small, narrowed in front: elytra oblong, hard; body oblong-ovate, very sealy, winged: thys sometimes toothed; tibiæ rounded.

cccci. Tanymecus Ant. 12-jointed, slender, elbowed; funic. 7-jointed, 

ds basal joint longer than 2d, remainder somewhat turbinated; club oblong-ovate, acute: rost. shortish, stoutish: eyes flattish: tho. oblong, hinder margin elevated: body elongate-ovate; elytra elongate, acuminate at the tip: thys and tibiæ unarméd.
(cccciv. Brachyderes Ant. 12-jointed, slender, elbowed; funic. 7-jointed, basal joint shorter than 2d; club slender, ovate: rost. short, stout, flat: eyes slightly prominent: tho. short: elytra somewhat ovate: thighs unarmed.)

(cccev. Rhytirhinus Ant. 12-jointed, straight, or faintly elbowed; basal joint longer, 2d globose-conic, longer than 2d; club large, ovate, acute: rost. short, robust, inserted in a deep pectoral groove: tho. lobate in front, the disc porate: elytra broad, convex, abruptly retuse, rough.)

cccevi. Cleonus Ant. 12-jointed, apical, short, elbowed; funic. 7-jointed, basal joint longer than 2d; club oblong-ovate: rost. very short, thick, ridged or grooved: tho. somewhat conic, being narrowed in front: elytra elongate, with a protuberance near the tip: body elongate, convex, pubescent: thighs unarmed; tibia with a minute hook.

cccevii. Bothynoderes Ant. 12-jointed, shortish, elbowed; funic. 7-jointed, 2 basal joints of nearly equal length, short; club somewhat fusiform: rost. longer than the head, ridged: tho. narrowed in front: body elongate: elytra oblong, with an apical tubercle: tibia with a minute hook.

ccceviii. Lixus Ant. 12-jointed, shortish, basal, elbowed; funic. 7-jointed; club oblong, fusiform: rost.—elongate, moderately robust, nearly straight: tho. oblong, conic, base waved: body oblong, narrow, somewhat cylindric: elytra sometimes narrowed and gaping at the apex: thighs unarmed: tibia with a hook.

ccceix. Larinus Ant. 12-jointed, somewhat basal, elbowed; funic. 7-jointed; club oblong-ovate: rost. robust, shorter than the thorax, ridged at base: tho. with a small lobe behind the eyes: elytra broad, ovate: scutel. minute: tibia with a stout hook.

cccei. Rhinobatus Ant. 12-jointed, short, apical, elbowed; funic. 7-jointed; club elongate-ovate, obtuse: rost. longer than the thorax, slender, slightly bent: tho. produced in the middle behind: elytra broad, ovate, obtuse: scutel. minute: body somewhat convex; thighs unarmed: tibia with a minute hook.

ccceii. Rhinocyillus Ant. 12-jointed, very short, stout, indistinctly elbowed, sub-apical, joints transverse; club 4-articulate ovate: rost. short, thickened, angulated, deflexed, a little bent; base with 2 ridges: scutel. very minute: elytra oblong, somewhat linear, convex, obtuse: tibia with a minute hook.

(ccceiii. Chlorophanus Ant. 12-jointed, apical, not elbowed; basal joint elongate; club ovate: rost. short, with a ridge in the middle, tip deeply notched: tho. oblong: elytra ample, ovate, tip with a pilose point: legs elongate; anter. tibia curved, the tip hooked.)

ccceiii. Magdalis Ant. 12-jointed, medial, slightly elbowed; funic. 7-jointed; club oblong-ovate, acute: rost. as long again as the head, bent, cylindric: eyes large, approximating: tho. with the sides produced into a spine-like process in front, or crenulated: body somewhat cylindric; thighs toothed; tibia hooked.

ccceiv. Rhinodes Ant. 12-jointed, medial, not elbowed; club small, elongate-ovate: rost. scarcely longer than the head, nearly straight, cylindric: eyes large, approximating: elytra somewhat cylindric: tibia with a minute hook.

cccev. Panus Ant. 12-jointed, bent, stout, not elbowed, basal joint elongate; club very large (half the length of the ant.), robust, pilose, somewhat cylindric, the tip rather acute: rost. as long as the head, stoutish, slightly bent: eyes large: elytra convex: thighs unarmed.
340 Rhyncolus Germar.


1665 lignarius Marsh. i. 275. — Ste. M. iv. 6. — Pitchy-black; glabrous: head and thorax finely punctured; the latter with an obscure ridge; rostrum longer than the head, cylindrical: elytra punctate-striate, interstices flat, smooth: legs and antennae pale pitchy-red; club of latter palest. (L. 1½-1½ l.) Bark of elm: Darenth Wood; Hertford, &c.: 5-6.

1666 piceus Wilkin.? — Ste. M. iv. 6. — Entirely piceous: thorax deeply and thickly punctate; elytra punctate-striate, interstices punctulate and with a few scattered hairs; rostrum moderate, punctured and porrect. (L. 1½-2 l.) Taken (accidentally?) beneath Zostera marina, on banks of Orwell, near Ipswich: 5-6.

1667 truncorum Schuppel. — Germ. i. N. i. 308. — Ste. M. iv. 6.— Pitchy; glabrous: thorax convex, suboval, deeply punctured; elytra deeply punctate-sulcate, interstices slightly convex, faintly and remotely punctured: legs and antennae pale dull red. (L. 1½-2 l.) Under bark, near Cork: 5-6.

341 Cossonus Clairville.


1669 linearis Fab. ii. 496. — Claire. E. ii. i. pl. 1. f. 1, 2. — Ste. M. iv. 8. — Elongate; black; glabrous; punctured: crown smooth; thorax with a transverse impression behind, and a faint dorsal ridge; elytra of a chestnut hue, deeply punctate-striate; and legs and antennae pitchy-red. (L. 2½-3½ l.) Boleti on old willows, &e.: Battersea fields; Holloway; Fulham; Epping; Granchester; Cambridge; Bristol; Swansea: 6-7.

342 Calandra Clairville.

1670 granaria L. ii. 608. — Claire. E. H. i. pl. 2. f. 1, 2. — Ste. M. iv. 9. — Pitchy-red, or pale dull red, glabrous, punctured; coarsely so on the thorax: elytra deeply striate, striæ obscurely punctured; legs and antennae dull red. (L. 1½-2 l.)


(1671 Oryzae Fab. ii. 438. — Herbst. C. pl. 60. f. 8. — Ste. M. iv. 9. note. — Black, or pitchy-black, coarsely punctured; elytra with a dull red spot near the base, and another towards the tip: legs and antennae dull red. (L. 1-2 l.) Found in rice, London.)

343 Baris Germar.

1672 T. album L. ii. 609. — Cu. funereus Herbst. C. vi. pl. 71. f. 3. — Ba. Atriplicis Ste. M. iv. 10. — Linear-elongate; shining black, punctured; thorax with a smooth dorsal line; elytra striate, interstices flat, with a minute row of punctures, and in fine examples (Ba. pilistriatus Ste. M. iv. 10.) a line of dusky pile; body beneath and sides of abdomen
clothed with snow-white scales. (L. 1½ l.) Damp meadows: Battersea; Hertford; Suffolk; Bristol; Crwmlyn Bog: 6.

1673 Artemisia fab. E. ii. 456. — Pz. F. xviii. f. 10. — Ste. M. iv. 11. — Shining black, glabrous; punctate; punctures coarse on the thorax: elytra somewhat crenate-striate; interstices broad, flat, with a row of minute punctures; tarsi and base of antennae pitchy. (L. 1½-2 l.) Damp hedges; at roots of Artemesia vulgaris: Battersea; Southend: 6.

1674 picicornis Marsh. i. 276. — Ste. M. iv. 11. — Shining black, above tinted with deep blue: thorax deeply punctured; elytra striated, interstices finely punctured: tarsi reddish; antennae pitchy-red, club large, dusky. (L. 1½-2 l.) Damp hedges; on Reseda lutea, &c.: Battersea; Gravesend; Norfolk: 6.


344 Mecinus German.  

1677 semicordatus Marsh. i. 294. — Ste. M. iv. 12. — Cu. Pyrastra Herbst. C. vi. pl. 78. f. 6.? — Linear-elongate; black, with an ashly pile; slightly rugose: elytra punctate-striate, tip sometimes reddish; tarsi and base of antennæ dull red; anter. thighs slightly toothed. (L. 1½-2 l.) Damp fields, &c.: Battersea; Hertford; Ripley; Bristol; Swansea; Norfolk; Rachills, &c.: 5-7.

1678 hæmorrhoidalis Herbst. C. vi. 226. pl. 80. f. 4. — Ste. M. iv. 12. — Linear-elongate; black, slightly pubescent: thorax thickly punctate; elytra obscurely punctate-striate, the sides and tip pitchy; tibie, tarsi, and base of antennæ dull red. (L. 1½-1¾ l.) Damp hedges: London district; Swansea; Devonshire: 6-7.

1679 circulatus Marsh. i. 274. — Ste. M. iv. 12. — Linear-elongate; black, villose: lateral margins of thorax and of elytra and body beneath clothed with whitish down; thighs pitchy; tibie, tarsi, and antennæ red, club of the latter dusky. (L. 2 l.) Sandy hedges, &c.: London district; Barham, and near Swansea: 3-4.

345 Gymnætron Schönherr.  

1680 Beecabunge L. ii. 611. — Ste. M. iv. 13. — Black; densely pubescent: sides of the thorax and the breast clothed with whitish scales; elytra with a faint reddish streak towards the tip; tibie, tarsi, and base of the antennæ testaceo-red. (L. 1-1½ l.) Ripley; New Forest: 5-7.

346 Rhinusa Kirby.  


1683 collina *Gyll.* iii. 209. — Black; flattish; rather densely clothed with griseous pile; rostrum slightly bent; thorax punctured; elytra striated, interstices finely punctured; antennae stout, short, pitchy; thighs clavate, of ♀ with an acute tooth, of ♂ with a small one, nearly obsolete in anterior legs. (L. 1½-1¾ l.) Yorkshire: 6.

1684 tricolor *Marsh.* i. 259. — *Ste. M.* iv. 15. — Black, with an ash down, brightest on the middle of the thorax behind; elytra rusty-red, base, suture, and 2 oblique bands black; base of antennae, tibiae, and tarsi rusty-red: elytra sometimes black, with a red tip. (L. 1½ l.) Grassly places: London district; Norfolk; Suffolk; N. Wales; Yorkshire: 6.

347 *Miarus Schönherr.*

1685 Campanulæ *L.* ii. 607. — *Herbst.* C. vi. pl. 70. f. 15. — *Ste. M.* iv. 15. — Black; clothed with ashy-white hairs, which are disposed in lines on the elytra; thighs simple: ♀ with penult. segment of abdomen impressed and armed with 2 short teeth. (L. 1½-1¾ l.) On fl. of Campanula rotundifolia: near London; Norfolk; Swansee; New Forest; Carlisle, &c.: 6-7.


348 *Cionus Clairville.*

1688 Scrophulariae *L.* ii. 614. — *Don.* ii. pl. 60. — *Ste. M.* iv. 17. — Blackish-brown; thorax entirely and breast densely clothed with a yellowish down: elytra punctate-striate, alternate interstices raised and tessellated with black and white, and the suture with 2 large black satiny spots, with white ones attached; tarsi reddish. (L. 2¾-3 l.) On Scrophularia nodosa, Verbascum Thapsus, &c.; gardens: London district; Bath; Swansee; Harrowby: 6-8.

1689 Verbasci *Fab.* E. ii. 479. — *Ste. M.* iv. 18. — Deep black; sides of the thorax and the breast clothed with a griseous down; elytra as in the foregoing species, but the white replaced by ash-colour, and the sutural spots small. (L. 2-2½ l.) Verbasci, &c.: Hertford; Ripley; Battersea fields; Swansee, &c.: 7-9.


1691 Blattarie *Clair.* E. II. i. 66. pl. 3. f. 1, 2. — *Ste. M.* iv. 18. — Fuscous-brown, clothed throughout with ashy-griseous down; the middle of the thorax brown behind: elytra striated, alternate interstices tessellated with brown and ashy, suture with 2 large black spots, the anterior edged with brown; near the scutellum clouded with brown and 2 black dots; legs
testaceous; thighs dusky. (L. 1$\frac{1}{4}$-1$\frac{3}{4}$ l.) Verbascum nigrum, &c.: Hertford; Ripley; Norfolk; Bristol; Devonshire; Swansea; Dalmeny, &c.: 6-7.

349 Cleopus Megerle.

1692 pulchellus Herbst. C. vi. 356. pl. 88. f. 1. — Ste. M. iv. 19. — Fusceous-brown, clothed with griseous down; elytra striated, alternate interstices raised, tessellated with velvety black spots and erect whitish fascicles of hairs; legs dull red, thighs with a brown cloud. (L. 1$\frac{1}{4}$-1$\frac{3}{4}$ l.) Scrophularia aquatica. Hertford abundantly; Cambridge; Bath; Swansea; Harrowby: 6-7.

350 Sphaerula Megerle.

1693 Lythri Pk. F. iii. 263. — Pz. F. xvii. f. 8. — Ste. M. iv. 20. — Shining black, with a slightly griseous pile; elytra punctate-striate, with a short testaceous band and spot behind covered with whitish hairs; legs and base of the antennae pale: thorax sometimes red; spots on the elytra more or less united, or nearly wanting. (L. 1-1$\frac{1}{4}$ l.) Lythrum Salicariae (fl.): London district; Bath; Bristol; Monk's Wood; Swansea: 7-8.

351 Orobitis Germar.

1694 cyaneus L. ii. 606. — Ste. M. iv. 21. — At. globosus Pz. F. lvii. f. 10. — Black, glabrous, shining; clothed with white scales beneath; thorax and elytra bluish, the latter faintly striated; legs and antennae pitchy. (L. 1-1$\frac{1}{4}$ l.) Herbage in sandy lanes: Darenth Wood; Bristol; Swansea; Cumberland; Cramond: 6-7.

352 Caelioides Schönherr.

1695 Geranii Pk. F. iii. 256. — Ste. M. iv. 24. — Cur. xiv. pl. 670. — Black, with whitish scales beneath: thorax obscurely 2-tuberculated, and with a transverse impression in front; elytra striated, interstices with a row of scaly tubercles. (L. 1$\frac{1}{4}$-1$\frac{3}{4}$ l.) Geranium pratense, &c.: Ripley; Darenth Wood; Norfolk; Devon; Swansea; Scotland: 6.

353 Nedyus Schönherr.

§ A. Thorax not tuberculated, anter. margin not reflexed; thighs simple.

1696 Sisymbrii Herbst. C. vi. pl. 159. — Ste. M. iv. 27. pl. xx. f. 2. — Flattish, black, densely clothed with whitish scales, varied above with fuscous; the rostrum and a spot on the shoulders glabrous and black. (L. 1$\frac{1}{2}$-2 l.) On Sisymbrium amphibium: London district; Bristol; Norfolk; Netley; Cramond: 6.

§ B. Thorax tuberculated, or its anter. margin elevated, reflexed.

a. Thighs unarmed.

1697 assimilis Pk. F. iii. 257. — Ste. M. iv. 28. — Cu. Alauda Herbst. C. vii. pl. 92. f. 5. — Black, above sparingly, beneath densely, clothed with whitish scales: thorax flattish, with a deep dorsal groove, and obtuse tubercle at each anterior angle: elytra striated, interstices coriaceous; rostrum long, slender. (L. 1$\frac{1}{2}$ l.)

¿ Cu. obstructus Marsh. 1. 255. — Ste. M. iv. 28. — More sparingly clothed with scales, the thorax very slightly tubercled, and the elytra faintly striated, interstices simple. On flowers of Brassicae, &c.: London and Edinburgh districts; Dover; Bristol; Swansea: 6.

1698 Erysimi Pk. F. iii. 265. — Pz. F. xvii. f. 7. — Ste. M. iv. 28. — Black-brass; shining; elytra glossy-blue or greenish, deeply punctate-
stripe; thorax with an acute tubercle on each side, and a dorsal channel; legs and suture black. (L. 1½-1½ l.)

Var. Cr. chloropterus Kirby. — Ste. M. iv. 29. — More brassy, the elytra brassy-green, and faintly striated. (L. 1½ l.) On tetradynamous plants: London and Edinburgh districts; Netley; Swansea; Suffolk; Raehills, &c.: 5-6.

1699 contractus Marsh. i. 250. — Ste. M. iv. 29. — Black, rather shining; thorax with an obsolete channel, very suddenly narrowed in front, and with 2 acute tubercles; elytra bluish-black, shoulders prominent, deeply punctate-striate, the apex slightly tubercled. (L. 3½ l.) Grassy places: London district; Newcastle; Raehills; Carlisle; Edinburgh: 4-6.

1700 Cochlæaria Gyll. iii. 144. — Ste. M. iv. 29. — Black, with an ashly pile; base of the suture and the breast dusky, clothed with white scales; thorax convex, with a dorsal channel, its anterior edge bituberculate; elytra deeply punctate-striate, shoulders rounded. (L. 1½ l.) On Cochlæaria officinalis: London and Edinburgh districts; Ripley; Raehills: 6-8.

1701 nigrinus Marsh. i. 250. — Ste. M. iv. 29. — Black, densely clothed with whitish scales beneath; thorax flat, with an obsolete channel, sides with an acute tubercle, hinder margin truncate; elytra faintly crenate-striate, interstices with a row of ashy hairs, shoulders prominent: antennæ pitchy in the middle. (L. 1½ l.) In grassy places: London district; Swansea: 5-6.

1702 constriptus Marsh. i. 258. — Ste. M. iv. 29. — Black, with an ashly pile: beneath densely clothed with whitish scales; thorax convex, with a faint channel, hinder margin waved, sides with an acute tubercle; elytra faintly crenate-striate, interstices with a row of ashy hairs; antennæ black. (L. 1½ l.) On herbage, &c.: London district: 4-6.

1703 floralis Ph. F. iii. 266. — Ste. M. iv. 30. — Black; body beneath and suture densely clothed with whitish scales: thorax slightly convex, with a dorsal channel, the base bisinuated, the apex 2-tuberculate; elytra faintly crenate-striate, interstices with ashy hairs, shoulders prominent. (L. 3½ l.) Hedges: London district; New Forest; Devonshire; Swanel: 5-6.

1704 monostigma Marsham, — Ste. M. iv. 31. — Black, clothed above with ashy pile, beneath hoary: thorax with a dorsal channel; and an acute tooth on each side in front; elytra obstolutely striated, with a white spot on the suture near the seuttellum; shoulders prominent. (L. 1½ l.) Hedges, &c.: London district: 5-6.

1705 pyrrhorhynchus Marsh. i. 257. — Ste. M. iv. 31. — Black; beneath silvery-white: thorax punctured, with an obscure dorsal channel, the base straight, the apex with 2 obsolete tubercles; elytra faintly striated; rostrum with the tip red. (L. 1½ l.) Hedges: London district: 5-6.

1706 melanarius Kirby. — Ste. M. iv. 31. — Black, with an ashly pile, beneath with compact whitish scales: thorax slightly convex, with a faint dorsal channel, the apex with 2 obtuse tubercles; elytra deeply crenate-striate; shoulders slightly prominent. Hedges: London district; Suffolk and Yorkshire: 5-7.

1707 sulculus Kirby.? — Ste. M. iv. 32. — Black, sparingly clothed with ashy pile above; the suture behind, and the body beneath, densely clothed with whitish scales: thorax slightly convex, with a deep dorsal channel, the apex with 2 obtuse tubercles, the base somewhat truncate; elytra faintly crenate-striate, shoulders slightly prominent. (L. 3½ l.) Hedges, &c.: London district; Suffolk; Norfolk: 4-6.

1708 phæorhynchus Marsh. i. 258. — Ste. M. iv. 32. — Dusky-black; clothed throughout with a silvery down, whitest beneath: thorax slightly
convex, the base truncate, the apex with 2 obtuse tubercles; elytra faintly
crenate-striate; rostrum dull red. (L. 1 l.) Hedges, &c.: London
district; Fynone, S. Wales: 4-6.
1709 rubricus *Marsh.* i. 258. — *Ste.* M. iv. 32. — Black; sparingly clothed
with whitish down: thorax convex, anterior margin red, with a tubercle
on each side; elytra dull red, faintly striate, interstices with ashy lines;
tibiae testaceous. (L. 1 l.) Hedges, &c.: London district; Norfolk:
4-6.
1710 suturalis *Ste.* M. v. 419. — Black, with a whitish pubescence: thorax
with an obscure tubercle on each side in front; elytra reddish, faintly
punctate-striate, suture whitish; legs and antenna pale red. (L. 2 l.)
Hedges: Ripley: 4-6.
1711 Ericeæ *Gyll.* iii. 147. — *Ste.* M. iv. 33. — Black; clothed with ashy
down, base of the suture and the breast whitish: thorax flattish, with 2
minute tubercles in front; elytra punctate-striate, shoulders slightly
prominent; legs, antennæ, and rostrum red. (L. 1 l.) Heath: Ripley;
New Forest; Yorkshire: 6.

b. Thighs toothed.

1712 ovalis *L.* ii. 612.? — *Ste.* M. iv. 33. — Flattish; black, with whitish
clouds and spots above, beneath wholly ashy-white: thorax with the disc
and a spot on each side black, the former with an interrupted whitish
dorsal line; elytra striated; tarsi dull red. (L. 1-2 l.) Thick herbage:
London district; Bristol; Swansea; Devonshire: 4-6.
1713 Litura *Pk.* F. iii. 210. — *Ste.* M. iv. 34. — Flattish, variegated above
with black and white spots: thorax with the sides whitish, and an obscure
black dot on each, disc with a faint channel; elytra striated; thighs
acutely dentate; tarsi and antennæ dull red, or pitchy. (L. 1-2 l.)
Hedges: London district; Netley; Suffolk: 4-6.
1714 pollinarius *Forst.* C. i. 33. — *Ste.* M. iv. 34. — Flattish; dull black;
clothed above with ashy-piceous scales, beneath with whitish; thorax with
an acute tubercle on each side in front; elytra faintly striated, with a bent
row of tubercles towards the apex, within which is a whitish spot; thighs
with a strong tooth, their tips, tibiae, tarsi, and antennæ dull red, basal
joint of the latter pitchy. (L. 1-2 l.)
Var. Ne. caliginosus *Ste.* M. iv. 34. — Scales beneath ashy; elytra spotless.
Hedges, among nettles: London district; Bristol; Swansea: 4-6.
1715 Boraginis *Pk.* F. iii. Add. 457. — *Ste.* M. iv. 35. — Cu. 4-dens *Pz.*
F. xxxvi. f. 13. — Pitchy-black; with grisescent scales, beneath ashy:
thorax with the anterior edge raised, the sides with a minute tooth, disc
with a deep channel; elytra delicately punctate-striate, slightly clouded
with griseous, base of the suture ashy; legs ashy-red; tarsi red. (L. 1 l.)
Var. Cu. pallidaecatus *Marsh.* i. 259. — *Ste.* M. iv. 35. — Thorax rather
narrowed in front; tarsi very pale red. Thick herbage: London district;
Swanseæ; Cumbersdale: 5-6.
1716 Quercicola *Pk.* F. iii. 215. — *Herbst.* C. vi. pl. 91. f. 15. — *Ste.* M.
iv. 35. — Black, flattish, clothed with ashy scales beneath: thorax with
a pale dorsal line, the sides with a tubercle; elytra faintly striated, sprinkled
with ashy scales, base of the suture white, apex roughish; thighs slightly
toothed; tarsi rusty-red. (L. 1-2 l.) On oaks, &c.: London district:
4-6.
1717 rugulosus *Herbst.* C. vi. 406. pl. 91. f. 16.? — *Ste.* M. iv. 35. —
Flattish; pitchy-black, with tawny-ashy scales above and ashy ones
beneath: thorax flat, with a dorsal channel, the sides whitest, with a slight
tubercle; elytra striped with whitish and ash-colour; suture with an
oblong black spot; antennae and thighs pitchy; tibiae and tarsi pale testaceous. (L. 1 l.) Hedges: London district; Bristol; Swansea: 5-6.

1718 Chrysanthemi Germ. S. N. i. 291. — Ste. M. iv. 36. — Black; thorax flat, with a fine dorsal line, and the sides whitish-ash, the latter with a single tooth: elytra with a slender scaly-white flexuous band towards the base, and an indistinct waved one near the tip, base and apex of the suture white, middle black; tibiae, tarsi, and antennae dull red. (L. 1½-1⅓ l.) Grassy places: Ripley; Knaresborough; Norfolk: 5-6.

1719 melanostigma Marsh. i. 256. — Ste. M. iv. 36. — Black; beneath pale ash; thorax ashy, with an obscure dorsal line; elytra black with an ashy pile, the base of the suture whitish, middle black: tibiae and tarsi dull red; antennae pitchy. (L. 1½ l.) Herbage: near Swansea: 5-6.

1720 cinereus Marsh. i. 283. — Ste. M. iv. 36. — Ashy-black; with whitish scales beneath; ashy above: thorax with a small lateral tubercle; elytra striated, interstices striped with ashy; suture with the anterior half whitish, posterior black; antennae and legs pitchy; tarsi reddish. (L. 1½-2 l.) Hedges: London district; Suffolk: 5-6.

1721 seutellatus Ste. M. iv. 37. — Black; thickly clothed with ashy scales, especially beneath: thorax with a faint dorsal channel, the anterior angle with a slight tubercle; elytra obscurely striated, spotless, suture with an oblong white spot at the base. (L. 1½ l.) Hedges: Ripley and Hertford: 7.

1722 uniguttatus Marsh. i. 283. — Ste. M. iv. 37. — Black; clothed with ashy scales: thorax cinereous, with an obscure dorsal line, and 2 obtuse tubercles in front: elytra striated, clouded with ashy brown and hoary; striae with a fuscous spot in the middle; 4 anterior tibiae and all the tarsi reddish. (L. 1 l.) Hedges: London district: 6.

1723 Asperifoliarum Kirby. — Ste. M. iv. 37. — Black; flattish; densely clothed with whitish scales beneath; thorax with the lateral margins rounded, scarcely tuberculate; elytra with a common white spot near the base of the suture, a 2d near the tip, and a bent one near the margin on each side; tibiae, tarsi, and antennae dull red, club of the latter dusky. (L. 1½ l.) Hedges: Putney; Hertford; Dover; Swansea: 4-5.

1724 4-maculatus L. ii. 639. — Ste. M. iv. 38. — Dusky; flattish; with white scales beneath: thorax with the sides rounded, and obscurely 2-tuberculate; elytra striated, with a white scaly spot near the base of the suture, a 2d near the tip, and another towards the middle of the outer margin; legs and antennae black. (L. 1½ l.) Herbage: London district; Swansea; Yorkshire: 4-5.

1725 Echii Fab. E. ii. 482. — Pz. F. xvii. f. 12. — Ste. M. iv. 38. — Flattish; dull black: variegated above with irregular, more or less united, streaks of white scales; legs black, varied with white. (L. 2½-3½ l.) On thistles, Echium vulgare, &c.: London district; Sandgate; Dover; Norfolk; Bristol; Southampton, &c.: 6.

§ C. Thorax unarmed, anterior edge reflexed.

1726 horridus Pz. F. lxxxiv. f. 9. — Ste. M. iv. 38. — Dull red; thorax gibbous, disc armed with spines: elytra striated, dusky towards the suture, and sometimes a central cloud dusky, interstices with a row of erect spines; 4 hinder thighs toothed; antennae testaceous, club brown; rostrum tuscous. (L. 2½-3½ l.) Thick hedges: London district; Norfolk; Bristol: 5-6.

1727 Troglodytes Fab. E. ii. 485. — Ste. M. iv. 39. — Red-brown, with whitish scales beneath: thorax punctate, notched in front, with 3 rows of
ashy spines; elytra deeply punctate-striate, interstices with sinuated whitish scale-like spines; base and suture occasionally brownish; legs and antennae testaceous-red; rostrum pitchy-black. (L. 2-2.2 l.)

Var. Cu. pusio Pz. F. xxxvi. f. 15. — Ste. M. iv. 39. — Brighter; body glabrous; thorax not lineated; elytra with the suture dusky, or black, the tip with muricated scales; legs, antennae, and rostrum red.


1728 marginatus Ph. F. iii. 211. — Ste. M. iv. 39. — Black; flattish; with fuscous scales above and whitish beneath: thorax unarmèd, reflexed in front; elytra faintly striated, suture with a patch of white scales at the base; thighs obsoletely toothed. (L. 1|-1.2 l.) Among herbage: London district; New Forest; Yorkshire: 6.

1729 Resedae Marsh. i. 256. — Black, flat, with fuscous scales above, pale beneath: thorax unarmèd, reflexed in front, the sides pale; elytra faintly striated; suture with a white patch of scales at the base; legs dull red. (L. 1.2 l.) On Reseda lutea: London district; Suffolk; Swansea: 6.

354 Poophagus Schönherr.

1730 Nasturtii Spence. — Ste. M. iv. 16. f. 1. — Black, clothed with a grisseous pile: thorax with a dorsal channel and punctate; elytra dull greenish-brass, punctate-striate, interstices flat; thighs black, toothed; tibiae and tarsi reddish; antennae red; tip of rostrum pitchy. (L. 1.2 l.) On Sysimbrium nasturtium: Yorkshire; Notts: 6.

355 Ceutorhynchus Schüppel.

§ A. Thorax not tuberculate, nor reflexed in front.

1731 Quercus Herbst. C. vi. 412. pl. 92. f. 7. — Ste. M. iv. 21. — Black-brown, with a few ashyl scales above and densely clothed with whitish ones below; elytra faintly punctate-striate, testaceous, with pale ashyl waved bands; legs dusky-red. (L. 1-2 l.)

Var. Cu. melanolinycus Marsh. i. 250. — Ste. M. iv. 22. — Rostrum black; breast and base of the abdomen fuscous; elytra somewhat clouded with ashyl scales. On oaks: London district; Ripley; Swansea; Edinburgh: Carlisle: 5-7.

1732 Cu. ruber Marsh. i. 251. — Don. xi. pl. 389. f. 1. — Ste. M. iv. 22. — Head and thorax fuscosecent; breast, abdomen, and rostrum black, tip of latter red.

Var. Cu. rufirostris Spence. — Ste. M. iv. 23. — Head and thorax fuscosecent; elytra pale testaceous-red, spotless, suture brownish; breast and abdomen red; rostrum black, the tip red, or wholly red. On oaks: London district; Bristol; Swansea; Caernarvon; Edinburgh: 6-7.

1733 rubiceundus Ph. F. iii. 263. — Pz. F. xci. f. 12. — Ste. M. iv. 23. — Rather convex, black; with ashyl scales above, and whitish beneath; elytra deeply punctate-striate, testaceous-red, suture fuscous, with the base white; legs red. (L. 1 l.) Grassy places: London and Edinburgh districts; Rachills: 4-7.

1734 melanocephalus Marsh. i. 253. — Ste. M. iv. 23. — Rather convex, black; elytra and legs alone red, the former deeply striated, spotless, striæ obscurely punctured. (L. 1-1.2 l.) In grassy places: Battersea fields; Rachills; Inverary: 5-7.

1735 hæmorrhoidalis Pz. F. xci. f. 11. — Ste. M. iv. 23 — Pitchy-brown;
elytra rather deeply crenate-striate, fuscous, with the tip red; legs red; rostrum deep glossy black. (L. 14-1½ l.) Grass places: London district: 6.

§ B. Thorax tuberculated, anterior margin reflexed, or raised: thighs toothed.

1736 didymus Ph. F. iii. 213. — Herbst. C. vi. pl. 91. f. 6. — Ste. M. iv. 24. — Convex; black; with white scales beneath; thorax with sides densely scaly, with a short tuberale, the disc thickly punctate, and with a channel; elytra deeply punctate- striate, and with 4 whitish scaly spots; tibiae, tarsi, and antennæ dull-red, club of latter dusky. (L. 1¼-1½ l.)

Var. ? Cu. Urtica Marsh. i. 281. — Ste. M. iv. 25. — Thorax obsolescent punctate; elytra with a central whitish spot only; tibiae and tarsi fuscosecent. Among nettles: abundant throughout London and Edinburgh districts; Bristol; Norfolk; Devon; Swansea: 4-8.

1737 guttula Fab. E. ii. 482. — Ste. M. iv. 25. — Cu. Cardui Herbst. A. pl. 24. f. 22. ?— Flattish, dull black; with whitish scales beneath; thorax with a dorsal channel, punctate; elytra crenate-striate, interstices slightly granulate; suture with an ovate velvety-black spot near the base, and an oblong white one towards the tip; tarsi pithy. (L. 1½-2 l.)

Hedges: London district; Bristol; Norfolk: 5-6.

1738 fuliginosus Marsh. i. 280. — Ste. M. iv. 25. — Flattish; brownish- black; whitish beneath; elytra crenate-striate, suture with a whitish scaly spot at the base, a black velvety one towards the middle, and an oblong white one towards the tip; tarsi pithy. (L. 1½ l.)

Hedges: London district: 5-6.

1739 ruficornis Ste. M. iv. 25. — Flattish; pitchy-black, with whitish scales beneath; elytra striated, the interstices alternately ashy-brown and fuscous-black; suture with a black spot towards the base; legs and antennæ red. (L. 1½ l.)

Hedges: London district: 5-6.

1740 subrufus Marsh. i. 282. — Ste. M. iv. 26. — Flattish; dull red, with ashy down, whitish beneath; thorax granulated; elytra spotted, simply striate, interstices thickly clothed with short pile; legs and antennæ reddish; rostrum dusky. (L. 1 l.)


1741 sulciocollis Ph. F. iii. 217. — Ste. M. iv. 26. — Rather convex; dull black, with ashy scales beneath; thorax strongly channelled, the anterior margin faintly 2-dentate; elytra with simple strie, the interstices granulated; breast on each side with a dense patch of white scales. (L. 1½-2 l.)

Var. ? Cu. affinis Pz. F. lvii. f. 15. — Ste. M. iv. 27. — Clothed throughout with ashy scales, especially beneath; elytra faintly striated, interstices scaly. Hedges, &c.: London and Edinburgh districts; Norfolk; Dorset; Swansea: 5-6.

§ 356 Rhinonchus Schönherr.

§ A. Thorax with 1 tubercle on each side.

1742 Pericarpiaus L. ii. 609. — Herbst. C. vi. pl. 91. f. 12. — Ste. M. iv. 40. — Broad; black, whitish beneath; thorax with a faint dorsal channel, the lateral tubercles obtuse; elytra deeply punctate-striate, interstices rough; base of the suture snowly-white; legs and antennæ dull rusty-red. (L. 1½-2 l.)

Thistles and docks: London district; Dalston, Cumberland; Raehills: 5-6.

1743 Spartii Kirby. — Ste. M. iv. 41. — Elongate-ovate; black; ashy beneath; thorax with a deep dorsal channel, and an obsolete lateral
tubercle; elytra deeply punctate-striate, interstices coriaceous; suture ashy at the base; legs and antennae pitchy. (L. 1\textsuperscript{1/4} l.) Broom, on heaths and commons: London district: 5-7.

1744 tibialis Ste. M. iv. 41. — Elongate; black, white beneath: thorax slightly punctured, with a faint dorsal channel, and an obscure lateral tubercle; elytra slightly punctate-striate, interstices roughish, suture white at base; thighs black; tibiae and tarsi rusty-red; antennae pale dull-red, with the club black. (L. 1-1\textsuperscript{1/4} l.) Hedges: London district; Bristol: 5-6.

1745 flavipes Ste. M. iv. 41. — Pitchy-black; with luteous scales beneath: thorax with 3 streaks of luteous scales, lateral tubercles acute; elytra finely striated, interstices with dusky tubercles alternating with luteous scaly spots, suture luteous at the base; legs light luteous-yellow. (L. 1\textsuperscript{1/4} l.) Hedges: London district: 5-6.

1746 Castor Fab. E. ii. 451. — Ste. M. iv. 41. — Cu. fruticulosus Herbst. C. vi. pl. 91. f. 10. — Black, clouded with ashy above; thorax as in the foregoing insect; elytra punctate-striate, interstices with black tubercles alternating with ashy scales; base of suture and body beneath white; legs dull testaceous-red. (L. 1\textsuperscript{1/4}-1\textsuperscript{1/2} l.) Hedges: London district; New Forest; Devonshire; Bristol; Norfolk; Suffolk; S. Wales: 5-6.

1747 leucostigma Marsh. i. 255. — Ste. M. iv. 42. — Rather elongate; black, pale beneath; thorax with a faint dorsal line, the sides broadly pale; elytra striated, clouded with ashy, interstices with black tubercles; suture with a white spot at the base, middle dusky, apex white; legs pitchy, anterior thighs dusky. (L. 1\textsuperscript{1/4} l.) Hedges: London district: 5-6.

1748 interstitialis Reich. M. i. 6, pl. 1. f. 2. — Ste. M. iv. 42. — Short; black; nearly glabrous; with a few whitish scales beneath: thorax with a narrow pale lateral margin; elytra faintly striated, interstices with black tubercles, alternating with whitish scales; suture with a white streak at the base; legs red. (L. 1\textsuperscript{1/4} l.) Hedges: London district; Suffolk; Norfolk: 5-6.

1749 rufipes Ste. M. iv. 42. — Dull black, clouded above with ashy; thorax immaculate, with an obscure dorsal channel; elytra faintly striated, interstices with small dusky tubercles, alternating with dull ashy scales; legs and antennae red. (L. 1\textsuperscript{1/4} l.) Hedges: London district; Dover: 5-6.

1750 crassus Marsh. i. 264. — Ste. M. iv. 42. — Dull brown-black, whitish beneath; thorax immaculate; elytra punctate-striate, interstices granulated; legs and base of antennae red, club of the latter pitchy-black; rostrum black. (L. 1\textsuperscript{1/4} l.) Hedges: London district; Norfolk: 5-6.

1751 canaliculatus Marsham. — Ste. M. iv. 43. — Cu. inconspectus Herbst. C. vi. pl. 91. f. 15.? — Brown-black, somewhat clouded with ashy, beneath whitish: thorax with a deepish dorsal channel, a dense patch of tawny scales behind, and a small dot of the same on each side; elytra striated, interstices granulated, slightly clouded with lutescent scales, base of suture lutescent; legs and antennae pitchy-red. (L. 1\textsuperscript{3/4}-1\textsuperscript{1/2} l.) Hedges: London district; Bristol; Norfolk: 5-6.

§ B. Thorax with 2 tubercles on each side.

1752 4-tuberculatus Fab. E. ii. 448. — Herbst. C. vi. pl. 92. f. 3.—Ste. M. vi. 43. — Black; beneath whitish: thorax flat, with 3 foveola on the disc; elytra rather convex, striated, interstices clouded with ashy white; thighs dusky, with an ashy ring towards the tip, tibiae and tarsi dull red; antennae reddish, the club dusky. (L. 1\textsuperscript{1/4} l.) Hedges: Hertford; New Forest; Norfolk: 5-6.
1753 4-cornis *Gyll.* iii. 154. — *Ste.* M. iv. 43. — Black, whitish beneath; thorax slightly convex, deeply punctate; sides whitish; elytra punctate-striate, spotless, suture white at the base; legs and antennæ testaceous, tip of the thighs sometimes dusky. (L. 1¼-1½ l.) Hedges: London district: 6.

357 **Mononychus** Schüppel.

1754 Pseudacori *Fab.* E. ii. 450. — *Cur.* vii. pl. 292. — *Ste.* M. iv. 44. — Dull black; yellowish beneath; punctate; thorax with the lateral margins slightly reddish; elytra striated; suture with a whitish spot at the base; base of antennæ dull red. (L. 2 l.) On Iris pseudacorus: Isle of Wight and Devonshire: 7-8.

358 **Acalles** Schönherr.

1755 Ptinoides *Marsh.* i. 258. — *Ste.* M. iv. 44. — Pitchy, with scattered ashy scales above, mixed with erect muricated black spines; thorax oblong, deeply punctate; elytra deeply and coarsely punctate-striate, variegated with ashy; legs, antennæ, and rostrum dull red, the former with ashy clouds. (L. 1-2 l.) On heaths, &c.: Hampstead; Coombe Wood, Hertford; Ripley; Devon; Swansea: 4-7.

1756 Roboris *Cur.* xii. pl. 550. — *Ac.* variegatus *Ste.* Cat. No. 1599. — Pitchy, with ashy ochreous scales above, slightly erected: thorax with the back flat and deeply grooved, blackish, the sides ochreous-yellow; elytra deeply and coarsely punctate-striate, interstices elevated, with an irregular blackish band across the middle, the space behind which is occasionally pale ashy; legs pitchy, annulated with brown; antennæ and rostrum dull red. (L. 1¾-2 l.) On oaks, &c.: Hertford; Suffolk: 6.

359 **Rutidosoma** Stephens.

1757 globula *Herbst.* C. vi. 398. pl. 91. f. 7. — *Ste.* M. vi. 45. — Black; somewhat opaque; with the sides of the breast, and a stripe on the suture, clothed with whitish scales; elytra deeply sulcated and punctured, interstices narrow and crenate; legs and antennæ pitchy. (L. ¾-1 l.) On sallows: Coombe Wood: 6.

360 **Cryptorhynchus** Illiger.

1758 Lapathi *L.* ii. 603. — *Linn.* Tr. (Curtis), i. 86. pl. 5. f. 1 — 5. — *Ste.* M. iv. 46. — Black, opaque; sides of the thorax, an irregular band at the base of the elytra, and the tip of the latter whitish; thorax and elytra also varied with black sealy patches; legs black, varied with whitish. (L. 4-6 l.) On willows and alders: London and Edinburgh districts; widely distributed: 5-6.

361 **Bagoüs** Germar.

1759 binodulus *Herbst.* C. vi. 247. pl. 77. f. 15. — *Ste.* M. iv. 47. — Black, densely clothed with fusaceous scales: elytra flattish in front, faintly punctate-striate, alternate interstices raised, the 2 outer ones terminating in an elevated tubercle; tibiae dull red at the tip. (L. 2¾-3 l.) Marshy districts: Battersea fields; Norwich; Crwynlyn Bog: 6.

1760 lutosus *Gyll.* iii. 85. — *Ste.* M. iv. 48. — Black, clothed with ashy scales: elytra rather convex at the base, faintly punctate-striate, suture and alternate interstices elevated, 4th terminating in an obtuse tubercle; legs entirely pale dull red. (L. 2-2½ l.) Marshy places: Ripley; Hertford; Norfolk; Lancashire: 6.

1761 lutulentus *Gyll.* iii. 86. — *Ste.* M. iv. 48. — Black, variegated with
ashy scales; elytra with the tip rounded, faintly punctate-striate, alternate interstices slightly raised, the 4th terminating in an obscure tubercle; tibiae dull red; tarsi fuscous. (L. 1½-2 l.) Marshy places: London district; Carlisle: 6.

1762 binotatus Marsham? — Ste. M. iv. 48. — Black; sides of the thorax ashy; elytra faintly striated, interstices not raised, the 4th with an obscure tubercle, apex rather narrowed; disc with a round white, or ashy, spot; legs fuscous. (L. 1½-2 l.) Marshy places: London district: 6.

1763 tibialis Ste. M. iv. 49. — Ba. Beckwithii Kirby MSS. ?— Dusky-black; thorax immaculate: elytra slightly clouded with ashy, with a pale raised spot on the disc, the tip slightly narrowed, disc obscurely striated, interstices flat, the 4th with a faint tubercle; tibiae pitchy-red. (L. 2 l.) Marshy places: London district; Suffolk: 6.

362 Lyurus Schönherr.

1764 cylindrus Gyll. iii. 78. — Ste. M. iv. 49. — Act. Hal. (Ahr.) ii. pl. 1. f. 9. — Linear-elongate; dusky, with ashy scales: elytra faintly punctate-striate, interstices coriaceous; thighs black; tibiae and antennae dull red, or slightly piceous; tarsi fuscous. (L. 1½ l.) On water-cresses, &c.: London district: 6.

363 Pachyrhinus Kirby.

§ A. Thorax with 1 tubercle on each side.

1765 leucogaster Marsh. i. 253. — Ste. M. iv. 50. — Fuscous; clothed with ashy scales above, whitish beneath: thorax with the sides and a faint dorsal line whitish; elytra simply striated, ashy-brown; legs reddish, joints black; antennae pitchy-red, club dusky. (L. 1½-1¾ l.) Hedges: London district; Bristol: 5-6.

1766 rufescens Ste. M. iv. 50. — Dark pitchy-red, ashy beneath: thorax with a faint dorsal channel, covered with whitish scales; elytra broad, spotless, faintly striated, suture with a whitish patch at the base; legs and antennae red. (L. 1½-1¾ l.) Hedges: London district; Bristol: 5-6.

1767 Comari Herbst. C. vi. 411. pl. 92. f. 6. — Ste. M. iv. 51. — Black; beneath whitish, above variegated with ashy; thorax punctured, the sides and a faint dorsal channel clothed with whitish scales, lateral tubercles obscure; elytra as wide again as the thorax, convex, obsolescently punctate-striate, interstices convex; thighs black; tibiae and tarsi testaceous; antennae pale dull red, 2d joint dusky. (L. 1½-1¾ l.) On Comarum palustre: London district; Bristol; New Forest; Norfolk: 6.

§ B. Thorax with 2 tubercles on each side.

1768 4-dentatus Ste. M. iv. 51. — Black, with ashy scales above, and whitish beneath: thorax with 4 acute tubercles, the sides rather ashy, the disc with a faint channel; elytra striated, interstices slightly raised, spotless; tibiae dull red; tarsi dusky. (L. 1½ l.) Hedges: London district; New Forest: 5-6.

1769 4-nodosus Gyll. iii. 155. — Ste. M. iv. 51. — Black; beneath whitish; thorax deeply punctured, anterior margin with 2 approximating tubercles, lateral margins ashy, each with 1 tubercle; elytra very convex, pitchy-black, punctate-striate, interior interstices roughish, exterior with acute tubercles; base of suture whitish; legs red, thighs dusky at tip. (L. 1½ l.) Hedges: London district; Bristol: 5-6.

1770 Myriophyllum Gyll. iii. 152. — Ste. M. iv. 52. — Flattish; black, opaque, densely clothed with white scales beneath, and sprinkled with dirty white and whitish above; thorax with a deep dorsal channel, and an
oblique fovea on each side; suture with a whitish spot at the base; legs testaceous red; joints and tarsi dusky. (L. 1½ l.) On water-dock, &c.: London district; Newcastle: 5-6.

364 Anoplus Schönherr.

1771 plantaris Næzin. Act. Hol. 1794. 270. — Ste. M. iv. 52. — Black; somewhat glossy; head and thorax punctured, the latter with a faint dorsal channel; elytra deeply crenate-striate, interstices smooth; scutel. whitish; body punctured beneath, sides of the breast with a dense whitish pile; antennæ with 2 basal joints testaceous; base of rostrum punctate. (L. 1 l.)


365 Amalus Schönherr.

1772 scortillum Herbst. C. vi. 418. pl. 92. f. 13. — Ste. M. iv. 53. — Black; with whitish scales beneath; elytra deeply punctate-striate, the tip red, the suture with a white patch of scales at the base: legs red. (L. 1 l.)

Grassy places: Battersea fields; Ripley: 6.

1773 castaneus Wilkin.? — Ste. M. iv. 54. — Pitchy-red; whitish beneath: elytra punctate-striate, pale chestnut-red, with the tip paler, suture concolorous at the base; legs red. (L. 1 l.) Grassy places: London district and Norfolk: 5-6.

366 Tychius Germar.

§ A. Thighs toothed.

1774 5-punctatus L. ii. 614. — Ste. M. iv. 54. pl. xx. f. 3. — Black; clothed above with purplish-gold scales, beneath snowy; thorax with a snowy-white dorsal line: elytra with the suture and 2 spots white; thighs pitchy-black; tibie, tarsi, and antennæ dull red (L. 2½ l.)

South Creek, Norfolk: 6.

1777 venustus Fab. E. ii. 456. — Herbst. C. vi. pl. 71. f. 2. — Ste. M. iv. 55. — Black, with ash scales above and white beneath: thorax and elytra more or less striped with white; thighs slightly toothed, pitchy; tibie, tarsi, antennæ, and tip of rostrum dull red. (L. 1½-2 l.)


§ B. Thighs not toothed.


1777 flavicollis Kirby. — Ste. M. iv. 56. — Pitchy-red; thorax clothed with a yellowish down, elytra with griseous, the edges of the former somewhat ashy; legs and antennæ wholly testaceous; rostrum pitchy. (L. 1½ l.) In grassy places: London district; Suffolk: 6.

1778 tomentosus Herbst. C. vi. 278. pl. 81. f. 7. — Ty. picirostris — Ste. M. iv. 56. — Pitchy-black, clothed above with an uniform glossy silken olivaceous down, beneath ashy-white; legs, antennæ, and tip of the suture red (L. 1¾ l.) In corn fields, on Trifolium pratense, &c.: London district; Ripley; Suffolk; Swansea: 4-6.
1779 Stephensi Sch. S. (Cur.) iii. 412. — Ty. tomentosus Ste. M. iv. 56.  
- Black, clothed with pale down, tinted with ochreous on the thorax,  
  legs and antennae testaceous-red; rostrum pitchy at the tip. (L. 1½ l.)  
In corn-fields: London district: 4-6.

1780 canescens Marsh. i. 259. — Ste. M. iv. 56. — Pitchy, clothed with  
  hoary down: eyes black; head, a narrow dorsal line, and the sides of the  
  thorax somewhat ashy; suture of elytra dusky, or black; legs and antennae  
  pitchy-red. (L. 1½ l.) In fields: London district; Devon: 5-6.

1781 parvula Kirby. — Ste. M. iv. 57. — Black; sparingly clothed with  
  olivaceous down; base of antennae red-brown; legs and antennae wholly  
  red. (L. 1½ l.) Fields: London district; Suffolk: 6.

367 Miccotrogus Schönherr.

1782 picirostris Fab. E. ii. 449. — Mi. cinerascens Ste. M. iv. 57. — Slender;  
  dusky, with ashy down, beneath paler; thighs blackish; tibiae and  
  tarsi dull red; club of the antennae fuscous. (L. 1⅔ l.) Corn-fields: Ripley: 1-6.

1783 lineatulus Kirby. — Ste. M. iv. 57. — Dusky-black, with lead-coloured  
  down; sides of the thorax and a narrow dorsal line pale; elytra with the  
  suture white: legs and antennae red. (L. 1⅔ l.) Hedges: New Forest;  
Devonshire: 6.

368 Sibinia Germar.

1784 Arenariae Kirby. — Ste. M. iv. 58. — Black, clothed with griscent  
  pubescence above, and whitish beneath; elytra with a large coarctate  
  dusky-reddish patch at the base of the suture, edged behind with whitish;  
  legs and antennae dull testaceous. (L. 1½ l.) In sandy districts: New  
  Forest; Devonshire: 6.

  clothed above with a rusty-golden down, beneath with whitish; elytra with  
  a common fuscous blotch in the middle of the back, edged with whitish  
  behind; legs dusky, tibiae and tarsi reddish; antennae pitchy, club black.  

1786 Viscariae L. ii. 609. — Ste. M. iv. 58. — Black, densely clothed with  
  greenish-ashy down above, beneath with whitish: thorax produced into  
  an angle in the middle of the base; legs black; antennae pitchy at the  
  base. (L. 1½ l.) Chalky districts; Ripley; Brighton: 6-7.

369 Orchestes Illiger.

§ A. Hinder thighs denticulated beneath.

f. 3. — Testaceous-red, pubescent: eyes and breast black; scutel, whitish;  
elytra with a large triangular, common, ashy-pubescent blotch at the base;  
4 anterior thighs with a minute spine in the middle; hinder pair with a  
double row of 6 or 7 spines. (L. 1½-2¼ l.)  
Var. Cu. depressus Marsh. i. 262. — Ste. M. iv. 61. — Brown-black;  
antennae, tibiae, and tarsi reddish; rostrum red. On oaks: widely distrib-  
uted throughout Britain: 5-6.

pl. 249. f. 1. — Oblong; rusty-red; eyes, tip of the rostrum, thorax  
beneath breast and abdomen black; scutel. clothed with whitish pile;  
acute thighs unarmed, hinder pair with a single tooth in the middle.  
(L. 1½ l.) Alder and hazel: Coombe and Darenth Woods; Carlisle;  
Swansea: 5-6.
1789 semirufus Gyll. iv. 597. — Ste. M. iv. 60. — Oblong; black; pubescent: scutell, with whitish pile; elytra ample, rusty-red; legs dull testaceous; hinder thighs sometimes dusky, denticulated beneath; antennae rusty-red, the club fuscous. (L.1 ½ l.) London district: 6.

1790 melanoccephalus Oliv. E. v. 100. pl. 32. f. 483. — Cu. ferrugineus Ste. M. iv. 60. — Oblong; flatish; black, with an ashy pile: thorax, elytra, apex and sides of the abdomen, antennae and legs rusty-red, joints of the latter black; hinder thighs spinulose. (L. ½ l.) Var. Cu. atricapillus Marsh. i. 261. — Ste. M. iv. 60. — Testaceous, with the head, eyes, breast, and base of the abdomen black. On oaks: London district; Bristol; Devon; Swansea: 6-8.

1791 nigricollis Marsh. i. 261. — Ste. M. iv. 61. — Oblong; black; pilose: elytra dull red, disc rather obscure; apex of the abdomen, antennae and legs dull red; hinder thighs with 2 rows of denticulations; tip of rostrum dull red. (L. ½ l.) On elms: London district: 5-7.

1792 Alni L. ii. 611. — Don. viii. pl. 249. f. 2. — Ste. M. iv. 61. — Black; pubescent: thorax, elytra, tip of abdomen and tarsi testaceous: elytra with an oblong black spot at the base, and a large rounded one on the disc; hinder thighs angulated beneath, with a central tooth and a row of rigid cilia: the spots on the elytra are sometimes united, or are very obscure, but rarely wanting. (L. ½ l.) On elms: extremely abundant in S. of England; S. Wales, &c.: 4-8.

1793 Ilicis Pk. F. iii. 218. — Oliv. E. v. 101. pl. 32. f. 486. — Ste. M. iv. 62. — Oblong-ovate; black; variegated with an ashy-white pubescence; mixed with ochreous on the elytra; base of suture with a white streak; antennae and tarsi testaceous; 4 anterior thighs with a single tooth, hinder pair with a tooth and a row of short spines. (L. ½ l.) Hedges: London district, &c.: 5-6.

1794 pubescens Sch. S. (Cur.) iii. 495. — Ov. pilosus Ste. M. iv. 62. — Oblong-ovate; black, with a dense ashy pile; scutel. and sides of the breast whitish; elytra irregularly clothed with depressed ashy hairs, forming 5 somewhat denuded spots: base of antennae testaceous; hinder thighs angulated beneath, and armed with a single tooth. (L. ½ l.) On oaks and birches: London district; New Forest; Devon; Swansea; Bristol, &c.: 5-6.

1795 Fagi Fab. E. ii. 495. — Ste. M. iv. 62. — Cu. calcare Oliv. E. v. 103. pl. 32. f. 488. — Elongate-oval; black; spotless; slightly pubescent; antennae and tarsi pale testaceous; all the thighs 1-dentate, hinder pair angulated, and with a stouter tooth. (L. ½ l.) Woods and hedges: London and Edinburgh districts; Swansea: 5-7.

1796 rhodopus Marsh. i. 263. — Ste. M. iv. 63. — Oblong; rough; fuscous; slightly pubescent: eyes brown; legs and antennae red; elytra faintly striated; hinder thighs fuscous, slightly denticulate. (L. ½ l.) London district: 6.

1797 tomentosus Vought.? — Schon. S. (Cur.) iii. 497. — Ov. Waltoni Cur. xv. pl. 678. — Oblong; black, with short palish hairs throughout: rostrum rather long; eyes approximating; antennae dull red, club pitchy at the tip; hinder thighs angulated beneath, and furnished with a few short bristles; tarsi dull red, the tip pitchy. (L. ½ l.) Hedges: Hertford and Knaresborough: 8-9.

§ B. Hinder thighs simple.

1798 † Lonicerae Fab. E. ii. 495. — Herbst. C. vi. 427. pl. 93. f. 9. — Ste. M. iv. 63. — Oval; luteo-ferruginous; pubescent: eyes, breast, abdomen, and a band on the hinder thighs black: elytra with a humeral dot, and an
irregular narrowed central band blackish brown; antennæ pale. (L. 1 1/4 l.)
On Lonicera Xylosteum; Spitchweek, Devon: 6.

1799 Populi Fab. E. ii. 495. — Oliv. E. v. 100. pl. 32. f. 484. — Ste. M. iv. 67. — Oblong-ovate, black; breast with a dense whitish pubescence; antennæ and legs pale testaceous; hinder thighs with a black ring. (L. 1 1/4 l.) London district?

1800 Salicis L. ii. 611. — Or. Avellanæ Ste. M. iv. 64. — Don. vi. pl. 205. f. 3. — Oval, black; thorax entirely clothed with a whitish pile; elytra with a large lobed, or heart-shaped, patch of the same, forming 2 crescents, and a short band behind, with a few dull red hairs intermixed near the tip; tibiae, tarsi, and antennæ testaceous. (L. 1 1/4 l.)
Var. Or. X-album Kirby. — Ste. M. iv. 64. — With the lobate patch on the elytra forming an X; the posterior band wanting. On hazel: London district; Bristol; Suffolk; S. Wales: 5-6.

1801 Rusci Herbst. C. vi. 424. pl. 93. f. 16. — Or. bifasciatus Ste. M. iv. 64. — Elytra, black; elytra somewhat deeply striate, with a pilose white stripe near the scutellum; a bent bar of the same near the middle, and a short straight one towards the apex, the latter sometimes ochreous; tarsi and antennæ red. (L. 1 1/4 l.) In woods: London district; S. Wales: 5-6.

370 Tachyerges Schönherr.

1802 Capreæ Fab. E. iii. 452. — Dom. iv. pl. 125. f. 5-7. — Ta. Salicis Ste. M. iv. 66. — Oval, black; elytra striated; scutellum, and 2 unequal, bent, flexuous bands white, with a light rusty-red patch between the latter on the suture; antennæ red at the base. (L. 1 1/2 l.) On willows: London district; Swansea; Carlisle, &c.:

1803 decoratus Schüppel — Germ. M. iv. 333. — Ste. M. iv. 65. — Oval, black; scutellum white; elytra with 2 obscure bands, composed of whitish streaks; tibiae, tarsi, and antennæ testaceous red. (L. 1 1/4 l.)


1805 Stigma Germ. M. iv. 334. — Ste. M. iv. 67. — Oblong-ovate, convex, black: thorax oblong, conic; scutellum with snowy pubescence; elytra deeply crenate-striate, interstices rough; eyes united in front: sides of the thorax sometimes clothed with whitish pile. (L. 1 1/2-1 1/4 l.) On willows and elders: London district; Norfolk; Bristol; Swansea: 5-7.

1806 Saliceti Fab. E. ii. 496. — Ste. M. iv. 66. — Oblong-ovate, black, slightly pubescent; elytra convex, deeply punctate-striate; breast clothed with whitish pile; tibia and base of the antennæ testaceous. (L. 3/4-1 l.)

371 Balaninus Germar.

§ A. Pygidium not covered by the elytra.

1807 elephas Andersch. — Sch. S. (Cur.) iii. 378. — Cu. nucum var. Oliv. E. V. 215. pl. 5. f. 47. — Elongate-ovate; red-brown, clothed with whitish scales, varied with griseous on the elytra: legs testaceous: rostrum very slender, long, of the ? longer than the body, smooth, red, with the tip black; funiculus with all the joints elongate, slender. (L. 4-5 1/2 l.) Rare; woods: London district: 6.
1808 Nucum L. ii. 673. — Samou. pl. ii. f. 20. — Ste. M. iv. 68. — Elongate-ovate: covered with yellowish or ashy scales, somewhat variegated and banded on the elytra, and very dense on the angles of the breast and the scutellum, the latter large and rounded; legs dull pitchy-red; rostrum red, very long, especially in ?, slender, rather stoutest at the base, carinated and striate; funiculus pilose, with the terminal joints short, somewhat nodose, and nearly globose. (L. 3-5 l.) On the nut and hazel: London district, and generally distributed: 5-7.

1809 glandium Marsh. i. 233. — Ste. M. iv. 69. — Ba. venosus Germ. M. iv. 294. — Oblong-ovate, clothed with yellowish or ashy pubescence, somewhat variegated and banded on the elytra; the pile towards the apex of the suture elevated and forming a crest; thorax with a faint dorsal line and a broad stripe on each side pale; scutellum oblong, very narrow, with whitish scales; rostrum red, moderate, thickened at the base, striate; antennae dull red, funiculus with oblong joints. (L. 3-4½ l.) On oaks: London district: 5-6.

1810 turbatius Sch. S. (Cur.) iii. 383. — Ovate; black; densely clothed with yellowish scales; scutellum whitish; legs dull pitchy-red; rostrum very long, of the ? nearly as long as the body, slender, much curved, smooth, red, funiculus with all the joints elongate, a little thickened at the tip. (L. 3½-3 l.) Woods: London district: 6.

1811 villosus Herbst. C. vi. 195. pl. 73. f. 8. — Ste. M. iv. 69. — Black, flattish; slightly sprinkled with griseous pubescence; scutellum, and a short broadish band across the elytra near the tip, dull yellowish; antennae dull red. (L. 2½-4 l.)


1812 Betulae Ste. M. iv. 70. pl. xx. f. 4. — Cu. cerasorum Herbst. C. vi. 196. pl. 73. f. 9. — Flattish; red-brown, variegated with yellowish pubescence; scutellum whitish; legs testaceous; thighs obsoletely toothed; rostrum red, as long as the body. (L. 2-3 l.) On birch: Coombe Wood and Wimbledon Park: 6.

§ B. Pygidium nearly covered by the elytra.

1813 Brassice Fab. E. ii. 483. — Cu. Salicivorus Herbst. C. vi. 200. pl. 73. f. 12. — Ste. M. iv. 71. — Black, with an ashy down above; scutellum, body beneath, and breast entirely clothed with snow-white scales; elytra striated, interstices widish; basal joint of the antennae dull red; rostrum very long, slender. (L. 1¾-2 l.)

Var. Ba. scutellaris Wilkin.? — Ste. M. vi. 72. — With the antennae wholly black; scutellum white.

Var. ? Ba. intermedius Marsh. i. 288. — Ste. M. iv. 72. — Smaller; the antennae nearly, or entirely testaceous. Potherbs and willows: London district; Norfolk; Bristol; Swansea: 5-8.

1814 pyrrhoceras Marsh. i. 288. — Ste. M. iv. 71. ? — Cu. curvatus Marsh. i. 287. — Ste. M. iv. 71. ? — Black, with a slightly ashy pubescence above; scutellum and body beneath with white scales, the disc of the breast somewhat denuded; elytra striated, interstices rather narrow; antennae testaceous, club dusky; rostrum very long, slender, the tip broadly red in the ?. (L. 1½-2 l.) On willows, in hedges, &c.: London district; Swansea: 5-7.

1815 brunneus Marsh. i. 248. — Ste. M. iv. 72. — Pitchy-black, slightly
pubescent; ashy beneath; thorax rough; elytra deeply punctate-striate; legs wholly testaceous, antennæ pitchy. (L. 1 l.) Hedges: London district: 6-7.

1816 † Crux Fab. E. ii. 435. — Oliv. E. v. 154. pl. 29. f. 440. — Ste. M. iv. 37. — Black; antennæ red; thorax with 2 spots at the base, and a white cross on the elytra, of whitish scales. (L. 1 l.) Devonshire?

372 Anthonomus Germar.

§ A. Thighs acutely toothed.

1817 incurvus Pz. F. xxxvi. f. 17. — Ste. M. iv. 73. — Pitchy-brown, with an ashy down; head, rostrum, and disc of thorax black; scutellum snowy; elytra dusky-black, shoulders and margins dull red, with an obscure oblique bar behind the middle on the back; club of antennæ dusky; elytra sometimes nearly wholly dull red. (L. 2-3 l.) On flowers: London district; Bristol; and W. of England: 5-6.

1818 Pomorum L. ii. 612. — Ste. M. iv. 73. — Cur. xii. pl. 562. — Pitchy-brown or blackish, with an ashy down; elytra dull red, with an oblique whitish band behind, included between 2 blackish denuded ones; scutellum snowy; thighs dusky in the middle; rostrum slender, curved, pitchy. (L. 1½-2½ l.) On blossoms of whitethorn, &c.: London and Edinburg district; rather generally distributed: 5-6.

1819 Ulmi De Geer. v. 215. pl. 6. f. 26—30. — Ste. M. iv. 74. — Testaceous-red, slightly pubescent; rostrum slender, curved, elongate, black; head and breast pitchy black; thorax with a whitish dorsal line; scutellum snowy; elytra with a white band, behind a fuscous patch. (L. 1¾-2½ l.)


Var. ? Cu pedicularius L. ii. 615. — Ste. M. iv. 75. — Rh. avarus Oliv. E. v. 230. pl. 22. f. 310. — Head dull red; rostrum slightly bent, testaceous-red, with the tip fuscous; elytra variegated with whitish towards the apex. On flowers: London district; New Forest; Bristol; Cambridge; Swansea; Raehills: 5-6.

1820 Druparum L. ii. 614. — Herbst. C. vi. pl. 70. f. 9. — Ste. M. iv. 75. Testaceous-red; with griseous pubescence: rostrum slendor, nearly straight; elytra with 2 denuded, round, and dentate bands, the 1st on, the 2d behind, the middle; thighs 2-dentate. (L. 1½-2½ l.) On flowers: London district; Bristol: 5-6.

§ B. Thighs very obsolesely toothed.

1821 obscurus Ste. M. iv. 75. — Pitchy-black, slightly pubescent; thorax roughish; scutellum black; tibiae and basal joint of the antennæ pitchy-red. (L. 1½-2 l.) Flowers: London district; Bristol: 5-6.

1822 ater Marsh. i. 285. — Ste. M. iv. 75. — Black, slightly pubescent; thorax opaque, roughish; rostrum slender. (L. 2 l.) In hedge-rows: London and Edinburg district; Bristol; Swansea: 5-6.


1824 clavatus Marsh. i. 285. — Ste. M. iv. 76. — Black; slightly pubescent; white beneath; thorax rather rough; rostrum slender at the base, the tip abruptly clavate, club compressed. (L. 1½ l.) London district.
373 Hydronomus Schönherr.

1825 Alismatis Marsh. i. 273. — Ste. M. iv. 77. — Black; variegated above with ashy-white scales; elytra with the interstices flat, and a conspicuous pale blotch behind the middle; thorax with an impression on each side at the base; tibiae testaceous. (L. 2-2½ l.) On Alisma Plantago; Battersea fields; Wimbledon Common; Swansea; Edinburgh, &c.: 5-6.

374 Grypius Schönherr.

1826 Equiseti Fab. E. ii. 443. — Pz. F. xlii. f. 4. — Ste. M. iv. 78. — Black; waved with whitish scales: rostrum very long, deep black; thorax globose; elytra with black tubereles, the margins and 2 spots on the disc whitish; thighs with a white ring; tibiae dull red. (L. 3-4½ l.) On Equisetum arvense; Battersea fields; Coombe Wood, Hertford; Ripley; Bristol; Swansea; Edinburgh: 5-6.

375 Erirhinus Schönherr.

1827 Festucae Herb. C. vi. 327. pl. 85. f. 13. — Ste. M. iv. 79. — Oblong; fuscous; densely clothed with ashy scales: scutellum whitish; legs and rostrum testaceous-red, the latter very long, slender, and bent; antennae pitchy, club pubescent. (L. 4 l.) On Carex acutus (fl.): London district: 5-6.

1828 Nereis Fk. F. iii. 240. — Ste. M. iv. 77. — Rh. Typhae Nov. A. H. (Abr.) ii. pl. i. f. 6. — Linear-elongate; pitchy-brown; above dull red, with ashy scales: elytra with a broad common pitchy blotch in front; legs and rostrum rusty-red; the latter very long, slender, and nearly smooth. (L. 2-2½ l.) Marshy places: London district; Norfolk; Oxon; Crwmlyn Burrows; Yorkshire: 5-6.

1829 scirrhosus Sch. S. (Cur.) iii. 312. — Er. inquisitor Ste. M. iv. 80. — Rh. brunniostris Olie. E. v. 83. pl. 34. f. 524.? — Elongate, pitchy brown, clothed with yellowish ashy scales; elytra variegated with ashy; legs and rostrum dull red; the latter long, stoutish, striated, and punctured. (L. 1½-2½ l.)

Var.? Er. Arundineti Kirby. Ste. M. iv. 80. — Rather narrower; the elytra with a slightly conspicuous palish patch behind the middle, towards the suture. Aquatic plants: London district; Bristol; Suffolk; Yorkshire: 5-6.

376 Notarius Germar.

1830 Acridulus L. ii. 607. — Pz. F. xlii. f. 10. — Ste. M. iv. 81. — Black, or pitchy-red, with a glistening pile; thorax with a dorsal ridge; elytra deeply punctate-striate, interstices rugose, disc sometimes with a white dot behind; legs and antennae pitchy-red or pitchy, thighs sometimes dusky; rostrum very long, bent, deep black, punctured. (L. 1½-2½ l.) Marshy places: Battersea fields; S. Wales; Carlisle; Edinburgh: 3-6.


1832 bimaculatus Fab. E. ii. 442. — Herb. C. vi. pl. 82. f. 8. — Ste. M. iv. 82. — Black; opaque, with a fuscous pile; elytra faintly striated, interstices flattish, obscurely rugged, disc with a white pilose dot; tibiae, tarsi, and antennae pitchy; rostrum long, curved, and sparingly punctured. (L. 4-5 l.) Boggy places: Wimbledon Common; Norfolk; Bristol; Crwmlyn Bog; Carlisle: 6.
Dorytomus Germar.

1833 vorax Herbst. C. vi. 165. pl. 71. f. 4. ♀. — Ste. M. iv. 82. — Pitchy-brown, or pale testaceous; irregularly clothed with ashy pile; thorax transverse, narrowed in front; elytra punctate- striate, variegated with dull red and black, and a mixture of ashy spots and streaks: legs and antennae dull red; anterior legs elongated in both sexes, but shortest in the ♀; rostrum very long, slender, much bent, black, striated above. (L. 3/2-4 l.)

Var. Do. ventralis Ste. M. iv. 81. — Testaceous; with the breast and rostrum pitchy-black. On poplars and willows: Coome Wood; Netley; Warwick; Norfolk; Suffolk; Dalston, Cumb. : 6.

1834 Tremulæ Pk. F. iii. 189. — Olie. E. v. pl. 34. f. 529. — Ste. M. iv. 85. — Rusty-brown, with an ashy pile; elytra variegated with fuscous, ash colour, and blackish: thighs stout, clavate, strongly toothed; joints of legs dusky; rostrum long, slender, curved, black, the base slightly striated. (L. 1½-2½ l.)


1835 vecors Sch. S. (Car.) iii. 293. — Rusty-brown, with an ashy pile; thorax convex, with the sides much rounded, rather narrowed behind; elytra obscurely variegated with fuscous and dull red; thighs stout, clavate, strongly toothed; rostrum long, stoutish, curved, deep black, distinctly striated. (L. 2½ l.) Marshy places: London district: 6.

1836 affinis Pk. F. iii. 190. — Ste. M. iv. 85. — Rh. flavipes Olie. E. v. pl. 34. f. 523. — Black, with a dense ashy pile: elytra variegated with dull red and ash colour; legs and antennae dusky-rust colour; rostrum rather stout, shorter than the thorax, rough. (L. 2 l.) Willows: London district; Swansca: 4-5.

1837 teniatus Fab. E. ii. 492. — Ste. M. iv. 86. — Pitchy-brown; thorax slightly narrowed behind; base and apex testaceous; elytra pale, spotted with fuscous; legs testaceous, or reddish; antennae dull red; rostrum stoutish, rough. (L. 2½ l.) Willows: London district: 4.

1838 majalis Pk. F. iii. 177. — Ste. M. iv. 86. — Black, with an ashy pile; thorax, elytra, antennae, legs, and tip of the abdomen rusty-red; disc of the elytra clouded with fuscous, or with a pitchy-black dorsal patch; rostrum stoutish, rough. (L. 2½ l.) Willows: London district: 3-4.

1839 pectoralis Pz. F. xxxvi. f. 16. — Ste. M. iv. 84. — Testaceous-red, with an ashy pile; breast blackish, or pitchy; elytra variegated with fuscous and ash-colour; thighs clavate, acutely toothed; rostrum longish, punctuated, the tip fuscous. (L. 2 l.)


1840 Tortrix L. ii. 615. — Herbst. C. pl. 18. f. 2. — Ste. M. iv. 83. — Pale-testaceous, rather glossy, spotless, very delicately pubescent; breast fuscous; elytra rather convex; rostrum moderate, slightly bent, fuscous at the tip. (L. 3 l.)

Var. Do. arcuatus Ste. M. iv. 84. — Body of a darker hue, breast blackish. On willows, &c.: London and Edinburgh districts; Bristol; S. Wales; Norfolk; Suffolk: 6.

(1841 † dorsalis L. ii. 608. — Pz. F. xvii. f. 9. — Ste. M. iv. 86. note. — Black, nearly glabrous; elytra red, the margins and anterior half of the
suture black; rostrum rather long, stoutish, striated. (L. 2-3. l.) Error-
neously stated to be British.)

378 Pissodes Germar.

1842 Pini L. ii. 608. — Pz. F. xliii. f. 1. — Ste. M. iv. 87. — Pitchy, with
pale scales: thorax ridged, the disc with 2 large remote foveæ, densely
filled with yellowish scales; elytra punctate-striate, with a short band of
luteose scales before, and a broader band of the same behind, the middle;
rostrum longish, red-brown. (L. 4-5. l.) On firs: Edinburgh district;
Dunkeld, Perthshire: 9.

pl. 16. f. 42. — Pitchy-red, with whitish scales: thorax with 4 whitish
spots; scutellum whitish; elytra deeply punctate-striate, punctures deepest
on the back; disc with an indistinct pale band of scales before, and a
broad dilated one behind, the middle; rostrum slender, pitchy-black.

1844 Fabricii Leach. — Ste. M. iv. 88. pl. xxi. f. 1. — Rather elongate;
slightly convex; pitchy-red, with pale scales; thorax with 4 luteose spots;
scutellum luteous; elytra punctate-striate, with minute luteose scales,
interrupted band of yellowish scales before, and a narrow one behind,
the middle; rostrum rusty-griseous. (L. 4½ l.) Firs: Ravelstone Wood;
Jedburgh, Roxburgshire: 5.

379 Gronops Schönherr.

1845 lunatus Fab. E. ii. 524. — Ste. M. iv. 89. pl. xx. f. 5. — Black,
densely clothed with ashy scales; thorax with 3 foveæ, thickly punctate
and faintly ridged; elytra striate, the alternate interstices much raised,
and terminating in a double callus; disc with a pale crescent; legs fusi-
cous. (L. 2-3½ l.) Sandy places: Kew Lane; Livermere and Barham,
Suffolk; South Creek, Norfolk; Bristol: 5-6.

380 Orthochætes Müller.

1846 setiger Germ. I. N. i. 304. — Ste. M. iv. 90. — Dull-reddish; ab-
domen dusky; elytra somewhat punctate-sulcate, the alternate interstices
and suture elevated, each bearing a row of erect griseous setæ; legs also
clothed with the same. (L. 1-1½ l.) Epping Forest; Ripley; Hert-
ford; South Creek: 3-6.

381 Procas Stephens.

1847 picipes Marsh. i. 272. — Ste. M. iv. 91. — Black; obscure; elytra
punctate-striate, interstices transversely roughened, obsolescent clouded with
a few ashy hairs; tarsi and antennæ pitchy-red. (L. 3-4 l.) Marshy
places: Battersea fields; Bristol and Norfolk: 6.

382 Hypera Germar.

§ A. Body short, ovate; rostrum short, stout.

C. vi. pl. 77. f. 11. — Black, obscure, with griseous or ashy scales:
thorax rather widest in front, with 3 ashy stripes; elytra punctate-striate,
interstices each with a row of black scaly brushes; thighs with an ashy
ring; antennæ pitchy. (L. 4-5 l.) Hedges, &c.: generally distributed
in the S. of England; S. Wales; Netley and Wetheral; also in Scot-
land: 5-9.
1849 fasciculata Herbst. C. vi. 289. pl. 82. f. 6. — Hy. fasciculosa Cur. iii. pl. 116. — Ste. M. iv. 93. — Black, densely clothed with whitish and fuscous scales; thorax transverse, rounded on the sides, with 3 white lines; elytra faintly punctate-striate, with a crescent-shaped pale spot on the shoulder, and another near the middle of the disc; suture tessellated with 4-drake black brushes; tibiae and antennæ dull-red. (L. 3-1 l.) Rare: Isle of Thanet and in Norfolk; more common in Scotland: 6.

§ B. Body oblong. a. With wings.

1850 Polygoni L. ii. 609. — Pz. F. xix. f. 10. — Cu. arator Ste. M. iv. 93. — Fuscous, pubescent: thorax rounded, with 3 pale lines; elytra testaceous, the suture with a toothed dark and pale streak behind, the disc with brown lines; antennæ rusty, club dusky. (L. 3-3½ l.)

Var. Cu. Polygoni Fab. ii. 520. — Ste. M. iv. 93. — Deep fuscous, or black; thoracic lines white; elytra with ash scales, the suture dentated with black and white; the disc with short black lines. On Polygonum arvense, in corn fields: London and Edinburgh districts; Bottisham; Bristol; Carlisle; Inverness; Raehills: 4-6.

1851 canescens Ste. M. iv. 94. — Black, clothed entirely with ash scales; elytra striated, the interstices slightly elevated, uniformly hoary; tarsi pitchy: — possibly a var. of No. 1850. — (L. 3 l.) On heaths: London district; Bristol: 6.

1852 Viciae Gyll. iii. 101. — Ste. M. iv. 94. — Black; clothed with ash or brassy scales; thorax flattish, very much dilated on the sides; elytra with 5 rows of denuded fuscous spots; antennæ pitchy at the base; rostrum whitish, a little bent: immature specimens are testaceous, with the back of the thorax and the legs fuscous; rostrum black. (L. 3 l.)


1853 Kunzii Abr. F. vii. f. 11. — Hy. alternans Ste. M. iv. 95. pl. xx. f. 6. — Black; with pale griseous or olivaceous scales, sometimes tinted with brassy: thorax with a broad lateral pale stripe on each side, and a narrow dorsal one; elytra striated, the alternate interstices brownish, antennæ pitchy, club dusky. 5 narrow, sides of thorax slightly dilated; rostrum short and stoutish; elytra rather deeply striate. (L. 2½-3 l.)

Marshy districts, London district; Suffolk; Bottisham; Bristol: 6.


1855 palustris Leach. — Ste. M. iv. 96. — Black; tessellated with ash and testaceous scales: thorax with the sides slightly dilated, ash white, the disc spotless brown; rostrum longish and straight. (L. 3½ l.) Marshy places: Battersea; Bottisham; Bristol; S. Wales: 6.

1856 sublineata Kirby. — Ste. M. iv. 96. — Black, densely clothed with ash scales: thorax fuscous, the sides and a dorsal line ash; elytra with a squarish dusky patch at the base; tibiae, tarsi, and antennæ pitchy-red: rostrum rather short and stout. (L. 3 l.) Marshy places: London district; Suffolk; Bristol: 6.

1857 Pollux Fab. E. ii. 457. — Ste. M. iv. 97. — Co. commaculatus Herbst. C. vi. pl. 76. f. 8. — Black; variegated with shining ash-white scales; elytra with 3 rather distinct white lines tessellated with black:
antennae dull pitchy rust colour, club dusky; rostrum shortish, and a little bent (L. 3–3½ l.)


1858 murina Fab. E. ii. 520. — Ste. M. iv. 98. — Black; densely clothed with griseous scales: elytra with whitish stripes, dotted with black; the suture with a broad fusaceous patch at the base; thorax orbiculate, with 2 brown lines; tibiae, tarsi, and antennae dull red. (L. 2½–3½ l.)


1859 villosula Wilkin.? — Ste. M. iv. 97. — Black; densely clothed with ashy pilose scales: elytra immauculate; tarsi and antennae pitchy-red; rostrum longish, rather thickened, and straight. (L. 2½–3 l.) London district; Bottisham; Norfolk; Suffolk; Bristol: 6.


b. Wingless.


1863 Trifolii Herbst. C. vi. 266. pl. 80. f. 5. — Ste. M. iv. 99. — Pitchy-black; with ashy down; thorax flatish, orbiculate, with the sides and a dorsal line pale; elytra with obscure streaks and spots, suture fusaceous, spotted behind with whitish; breast with brassy scales; tibiae and antennae dull red. (L. 2–3 l.)

Var. Cu. stramineus Marsh. i. 267. — Ste. M. iv. 100. — Pale-testaceous, thorax dull red above; tip of rostrum fusaceous: — sometimes the elytra alone are testaceous, and the rostrum more or less black; arising from immaturity. On trefoil: London district; Norfolk; Suffolk: 5–6.

1864 bimaculata Marsh. i. 266. — Rh. posticus Gyll. iii. 113. — Ste. M. iv. 100. — Black; with a slight ashy pile; thorax flatish, short, somewhat orbiculate; breast clothed with whitish scales; tip of the elytra, tibiae, and antennae dull red; rostrum shortish, glabrous. (L. 2½ l.) Meadows: London district; Raehills: 6.

1865 variabilis Herbst. C. vi. 263. pl. 80. f. 1. — Ste. M. iv. 101. — Black; with ashy scales: thorax flatish, rounded on the sides; the latter, and a narrow dorsal line, pale, with a brown spot a little before the middle near each margin; elytra spotted with brown; thighs dusky; tibiae and antennae dull red. (L. 3 l.)

Var. Hy. pheoapa Ste. M. iv. 100. — Rather narrow; thighs fusaceous; tibiae and antennae pitchy.

1866 elongata Ph. F. iii. 236. — Ste. M. iv. 101. — Black, with an ashy pile; thorax round, with 3 indistinct lines; elytra elongate, obscurely spotted with brown; rostrum rather short and bent; base of antennae dull red. (L. 3½ l.) Fields: London and Edinburgh districts: 6.

1867 pedestris Ph. F. iii. 233. — Ste. M. iv. 102. — Black; equally clothed throughout with ashy scales and pile; thorax convex, rounded on the sides; elytra short, spotless; rostrum shortish, curved. (L. 3 l.) Meadows: London and Edinburgh districts; Bristol: 6.

1868 suspiciosa Herbst. C. vi. 265. pl. 80. f. 3. — Cu. Miles Ph. F. iii. 233. — Ste. M. iv. 102. — Black; densely clothed with ashy pile and scales; thorax convex, rounded on each side; elytra finely striated, spotted with brown, suture white towards the tip; antennae rusty; rostrum short, bent. (L. 3 l.) Meadows: London district; Bristol; S. Wales: 6.


1870 bipunctatus L. ii. 609. — Pz. F. xlii. f. 7. — Ste. M. iv. 103. — Black; densely clothed with an ashy pile; elytra each with a large denuded round black spot on the disc; tibiae, tarsi, and antennae testaceous. (L. 1½-2 l.) Hedges: New Forest; Raehills and Whim, Peebles-shire: 6.

1871 caliginosus Fab. E. S. ii. 427. — Ste. M. iv. 104. — Cu. didymus Don. xvi. pl. 570. — Flat; dull black; thorax oblong, ridged, deeply pitted; elytra deeply striate-punctate, the alternate interstices elevated; legs and antennae pitchy, club of the latter ashy. (L. 4½-5 l.) Under stones, &c.: Dover; Sandgate; Hastings; Brighton; Charlton Wood; Hampstead: 6-7.

1872 Germanus L. ii. 613. — Mart. C. pl. 22. f. 68. — Ste. M. iv. 105. — Black; thorax deeply punctured, its sides rounded; elytra with obscure round foveolates, and numerous dull yellow spots of hair; thighs obsolescently toothed. (L. 8-10 l.) Chalky districts: Dover; Ashdown; Sandgate; Maidstone, &c.: 6-7.

1873 coronatus Fourc. E. P. i. 126. — Cu. anglicanus Don. i. pl. 24. f. 2. — Ste. M. iv. 105. — Shining, black; thorax finely punctured, sides rounded, each with 2 yellowish spots; base and apex with a yellowish fringe; elytra coriaceous, with some scattered yellowish hairs; thighs acutely toothed. (L. 6-9½ l.) Hedges: Darenth Wood; Hertford; Copenhagen fields; Swansea: 4-6.

1874 ovatula Claire. E. II. i. 84. pl. 6. f. 3—4. — Le. punctata Ste. M. iv. 106. — Shining black; glabrous: thorax thickly and coarsely punctured; elytra deeply punctate-striate, interstices wide; tarsi and antennae reddish: — sometimes the thorax and legs are wholly dull red. (L. 1½ l.)
Weedy banks: London district; Norfolk; Suffolk; Devon; S. Wales; Rachills: 4-7.

387 **Hylobius** Germar.

388 **Tanysphyrus** Germar.
1877 Lemnae *Fab. E.* ii. 455. — *Pz.* F. xvii. f. 10. — *Ste. M.* iv. 108. — Pitchy-black: elytra ovate, deeply punctate-striate, and with scattered patches of ashy hairs; legs and antenna pitchy-red. (L. 3-1 φ l.) On Lemna, in ponds: Wandsworth Common; Darent; Bristol; Devonshire; Norfolk: 5-6.

389 **Alophus** Schönherr.
1878 3-guttatus *Fab. E.* ii. 521. — *Ste. M.* iv. 109. — *Cu.* cordiger *Claire.* E. H. i. pl. 7. f. 3-4. — Black, densely clothed with griseous or brownish scales: thorax thickly punctured, with a short channel in front; elytra faintly punctate-striate, with a white spot towards the base, and a large, common, V-shaped one behind; rostrum with a faint channel; antennae reddish. (L. 3-4 l.)
Var. ? Al. 3-notatus *Marsham.* — *Ste. M.* iv. 109. — Elytra somewhat tawny, the alternate interstices faintly raised, each with an obscure whitish spot near the base. In sand pits: widely distributed throughout the country from Dover to Cornwall; S. Wales to the S. of Scotland: 3-5.

390 **Barynotus** Germar.
1880 carinatus *Müll.* Z. D. Pr. 86. — Oblong-ovate; black, with scattered brassy-brown scales: thorax and rostrum ridged; elytra punctate-striate; suture behind, and alternate interstices, especially the 5th, much elevated; antennae and tibiae rusty-red. (L. 3 l.) Under stones: London district.

391 **Merionus** Megerle.
1882 obscurus *Fab. E.* ii. 530. — *Herbst.* C. vi. pl. 87. f. 3. — *Ste. M.* iv. 111. — Pitchy-black, variegated with ashy and fuscous scales: elytra faintly
punctate-striate, 5th and 7th stipe united in a curve near the shoulder; rostrum smooth, with a single groove and some oblong foveolata; tibiae and tarsi sometimes reddish. (L. 4½-5 l.) Dry sandy places: London and Edinburgh districts; Crwmlyn Burrows: 5-6. 1883 elevatus Marsh. i. 306. — Ste. M. iv. 111. — Pitchy black; clothed with uniformly coloured ashy scales; elytra rather deeply punctate-striate, the 5th and 6th stipe united at some distance from the shoulders; rostrum scaly, with 5 channels; — legs and antennae sometimes reddish. (L. 4½-5½ l.) Dry stony hedges: London and Edinburgh districts; Norfolk; Suffolk; Devon; Bristol: 6.

392 **Leiophleus Germar.**

1884 nubilus Fab. E. ii. 538. — Millard. pl. 2. f. 9. — Ste. M. iv. 112. — Black; opaque; densely clothed with ashy scales; elytra punctate-striate, tessellated with fuscous scaly spots; thorax slightly carinated; antennae pitchy-red: scales on the rostrum sometimes coppery. (L. 3½-5½ l.) Var. ? Cu. maurus Marsh. i. 316. — Ste. M. iv. 113.— Entirely black, opaque; scaleless; — probably with the scales abraded. Thick hedges: London and Edinburgh districts; S. Wales; Cambridge; Carlisle, &c.: 6.

393 **Otiorhynchus Germar.**

§ A. Thighs toothed.

1885 Ligustici L. ii. 615. — Herbst. C. vi. pl. 86. f. 8. — Ste. M. iv. 113. — Ovate; black; clothed with granaceous scales; thorax with the surface covered with minute tubercles, especially on the back: elytra rough, punctate-striate towards the sides. (L. 6-7 l.) Heaths: Godstone and Hartfield; Barham; Southend; Edinburgh: 6. 1886 sulcatus Fab. E. ii. 539. — Herbst. C. vi. pl. 87. f. 5. — Ste. M. iv. 114. — Oblong; black; thorax rough; elytra deeply furrowed, the furrows spotted with pale hairy tufts; antennae pitchy; rostrum deeply grooved. (L. 4½-5½ l.) Gardens, &c.: London and Edinburgh districts; Bristol; S. Wales; Devonshire; Norfolk: 5-6. 1887 notatus Bons. C. S. ii. 33. f. 34. — Ste. M. iv. 114. — Oblong-ovate; pitchy, densely clothed with brown and ashy scales; thorax granulated; elytra sulcate, and with rows of ocellated impressions; legs pitchy red; thighs slightly toothed. (L. 3½-4 l.) In hedges: London and Edinburgh districts; Yorkshire; Cumberland; S. Wales: 4½-6. 1898 singularis L. ii. 1066? — Ste. M. iv. 115. — Oblong-ovate; fuscous; clothed with ashy scales; thorax granulated; elytra punctate-striate, punctures somewhat annular, with a central tubercle; legs reddish. (L. 3 l.) Weedy hedges: London district: 4½-6. 1889 septentriornis Herbst. C. vi. 360. pl. 88. f. 6 — Cu. squamiger Marsh. i. 301. — Ste. M. iv. 115. — Oblong; reddish-brown or testaceous, variegated with ashy scales; head brown; thorax granulated; elytra striate, interstices raised and with elevated scale-like hairs disposed in rows; legs and antennae pale brown. (L. 3½ l.) In hedges: London district; S. Wales, &c. 4½-6. 1890 scaber L. ii. 639? — Ste. M. iv. 115. — Oblong; ashy-black; head punctured; thorax granulated; elytra punctate-striate, interstices rugose and varied with whitish scales; legs and antennae dull red. (L. 2½ l.) Hedges: London district: 6. (1891 † Giraffa Germ. It. Dalm. 244. — Schön. S. (Cur.) ii. 576. — Oblong-ovate; spotted with shining golden yellow scales; thorax thickly granulated, the sides rounded; elytra convex, roughly punctate-striate,
or sulcate; interstices coarsely tuberculate. Supposed by Schönherr, but incorrectly, to inhabit England.)

1892 rugifrons Gyll. iii. 319. — Ste. M. iv. 115. — Oblong; black, opaque, with a slight ashly pubescence; elytra flattish on the back, punctate-striate; thighs with a minute tooth; tibiae and tarsi pitchy; forehead and rostrum with several elevated lines. (L. 3½ l.)


1893 ovatus L. ii. 615. — Herbst. C. vi. pl. 88. f. 2. — Ste. M. iv. 116. — Short, ovate; black, with a fine griseous pile; thorax somewhat globose, very rugged, with a short ridge in the middle; elytra more glossy, punctate-striate; dorsal interstices flat, smoothish, lateral ones rugulose; legs and antennae rusty-red. (L. 2-3 l.)


1894 vorticosus Schöhn. S. (Cur.) ii. 630. — Oblong; black; with a slight ashly pile; thorax thickly rugged longitudinally; elytra elongate obovate, crenate-striate; interstices somewhat rugged; legs and antennæ rusty-red. (L. 2½-3 l.) Hedges: London district: 6.

§ B. Thighs unarmed. a. Elytra not distinctly striated.

1895 bisulcatus Fab. E. ii. 540. — Cu. Lima Marsh. i. 298. — Ste. M. iv. 117. — Oblong-ovate; entirely black and covered throughout with elevated points, disposed in slightly transverse wrinkles on the elytra; rostrum with a ridge. (L. 8 l.) Found near London?

1896 niger Fab. E. ii. 530. — Claire. E. H. i. pl. 8. f. 1, 2. — Oti. atro-apterus Ste. M. iv. 117. — Oblong-ovate; deep black, rather shining, slightly doted with an ashly pile; thorax oblong, narrow, thickly granulated; elytra remotely punctate-striate, interstices roughly granulated, the apex of each acutely rounded; legs red, knees and tarsi black. (L. 4 l.) Coasts of Devon; S. Wales, &c.: 6.

1897 tenebricosus Herbst. C. vi. 333. pl. 86. f. 5. — Ste. M. iv. 117. — Black; slightly glossy; thorax narrow, red, with the head finely coriaceous; elytra oblong-ovate, rather narrowed at the tip, very obscurely striated; legs elongate, pitchy-red; rostrum notched at the tip, and faintly ridged: apical joints of tuniculus elongated. (L. 4-6 l.) Hedges: common in London district and in S. of England; S. Wales; Raehills: 5-6.

1898 atro-apterus De Geer. v. 243. pl. 7. f. 22-24. — Oti. ater Ste. M. iv. 118. — Black; slightly glossy; thorax dilated on the sides, and, with the head, finely coriaceous; elytra ovate, obtuse, very obscurely sulcate, granulated; legs pitchy-red; rostrum somewhat entire; ridged. (L. 3½ l.) Coasts: Devonshire; S. Wales, &c.: 6.


b. Elytra distinctly striated, rough.

1900 scabrosus Marsh. i. 298. — Ste. M. iv. 119. — Oblong-ovate; black with a fuscous pile; forehead sulcate; thorax thickly granulated; elytra
punctate sulcate, interstices thickly and roughly tuberculate; legs and antennæ dull pitchy red; terminal joints of funiculus longish. (L. 3 l.)

Gravelly places: London and Edinburgh districts; Netley; Swansea; Yorkshire: 4-6.

1901 ligneus Olie. E. v. 378. pl. 31. f. 473. — Oti. scabridus Kirby. — Ste. M. iv. 119. — Black, or pitchy-black; thorax globose, coarsely granulated; elytra deeply punctate-striate, interstices somewhat transversely wrinkled, and slightly pilose; tibiae, tarsi, and antennæ pitchy-black, or dull red. (L. 1 3/4 l.) Barren places: London district; Bristol; Barham; Cramond: 4-6.

1902 rugicollis Ste. M. iv. 120. — Ovate; black; opaque; thorax globose; thickly and coarsely granulated, the disc longitudinally wrinkled; elytra ovate, obsoletely punctate-striate, interstices rough and slightly pilose. (L. 3 1/2 l.) Chalk pits: Dover: 6.

1903 maurus Gyil. iii. 293. — Ste. M. iv. 120. — Black; slightly shining; sparingly clothed with ashy pubescence: thorax very thickly granulated; elytra ovate, punctate-striate, interstices nearly smooth; legs and antennæ pitchy-red. (L. 3 1/2-4 1/2 l.) On the coasts: S. Wales; Scarborough; and Lancashire: 6.

1904 raurus Fab. E. ii. 529. — Ste. M. iv. 120. — Black: thorax convex, especially in the ♀, and with a slight ridge: elytra deeply punctate-striate, clouded with a griscous and brown pubescence; the suture slightly raised behind; legs and antennæ pitchy-red. (L. 2-3 1/2 l.) In chalky places: Darent and Greenhithe; Bottisham; S. Wales: 5-6.


1905 brunnipes Oliv. E. v. 384. pl. 35. f. 551. — Oti. pieeus Ste. M. iv. 119. — Oblong-ovate; pitchy-brown, slightly shining; sparingly clothed with a pale pubescence; thorax rather convex, deeply, but remotely, punctate, the sides somewhat rounded; elytra ovate, deeply punctate-striate; legs and antennæ testaceous; rostrum faintly punctured. (L. 1 1/2-2 l.) Hedges: London district; Netley; Swansea: 6.

1906 mollicomus N. A. Hall. (Ahr.) ii. 17. pl. 1. f. 8. — Oblong-ovate; chestnut-red, rather glossy; with a whitish pile; legs and antennæ paler: thorax slightly convex, the disc sparingly, the sides thickly, punctured, the latter moderately expanded; elytra deeply punctate-striate; rostrum with a fovea at the tip, and faintly punctured. (L. 1 1/2 l.) Hedges: London district: 6.


394 TRACHYPHLEUS Germar.

1908 tessellatus Marsh. i. 307. — Ste. M. iv. 121. — Fuscous-black; anterior edge of thorax whitish: elytra deeply striated, interstices setose, tessellated with fuscous and ash-coloured scales; body beneath and legs dull red. (L. 2 l.) Hedges: London district; Bristol; Norfolk: 4-6.

1909 confinis Ste. M. iv. 121. — Black-brown, clothed with lighter scales: thorax obscurely punctured; elytra faintly striated, scales uniformly fusco-
ous; legs black; apex of the tibiae and the tarsi reddish. (L. 2 l.)
Hedges: London district; Norfolk: 4-6.

1910 ventricosus Germ. i. N. i. 405. — Ste. M. iv. 122. — Varied with
griseous and fuscous: thorax with a dorsal furrow; elytra sulcate, inter-
stices furnished with short setae; legs griseous; rostrum deeply grooved.

1911 scabriculus L. M. ii. 531. — Herbst. C. vi. pl. 87. f. 10. — Ste. M.
iv. 122. — Ovate; black; densely clothed with fuscous scales; thorax
widish, roughly punctate, with a dorsal furrow; elytra punctate-istrate,
interstices roughly punctured and with a row of erect whitish scales; legs
and antennae dull rusty-red; rostrum furrowed. (L. 1²-2 l.)

— Elytra obsoletely tessellated with ash-coloured brown, and with scat-
tered spine-like scales behind only. Sandy and gravelly places: London
district; Swansea: 4-6.

1912 spinimanus Germ. i. N. i. 405. — Ste. M. iv. 123. — Ovate; black;
clothed with an ashy-brown pigment, and sprinkled with erect ashy-white
scales: elytra finely striated; legs and antennae dull red; anterior tibiae

1913 digitalis Gyll. iv. 615. — Ste. M. iv. 123. — Short, ovate; clothed
with a cinereous pigment; thorax flattish, with an obscure dorsal furrow;
elytra faintly striated, and with a few whitish erect scales; antennae and
legs dull red; anterior tibiae furnished with 2 long, acute denticles towards
the apex. (L. 2 l.) Gravel pits: London district: 5-6.

395 Philopoden Schönherr.

1914 geminatus Fab. E. ii. 323. — Herbst. C. vi. pl. 87. f. 7. — Ste. M.
iv. 124. — Black; densely clothed with fuscous scales; thorax with the
sides and a dorsal line pale; elytra faintly striate, alternate interstices
generally ashy or whitish, and all with an ashy pubescence; antennae dull
reddish. (L. 2-4 l.)

Var. Cu. parapleurus Marsh. i. 306. — Ste. M. iv. 124. — Elytra with the
sides and a few irregular spots white. On Arundo Arenaria, on sandy
coasts: Southend; Deal; Barmouth; Swansea; Tynemouth; Cramond: 5-6.

— Fuscous; clothed with ashy scales: thorax fuscous; elytra ashy, rather
deeply punctate-istrate, the 6 dorsal striae deepest; rostrum broadish.
(L. 2¾-4 l.)

Var. Cu. plumbeus Marsh. i. 302. — Ste. M. iv. 125. — Ashy-black; legs
pitchy-red; tibiae and tarsi paler; antennae red; eyes with a fiery splen-
dour. Sand and gravel pits: Hampstead; Bottisham; Swansea; Hast-
ings; Cumberland: 4-6.

1916 serobiculatus Marsh. i. 307. — Ste. M. iv. 128. — Black; clothed
with dull reddish scales; thorax with a fovea on each side at the base;
elytra obscurely striated, hispid; antennae dull red. (L. 2 l.) Devon-
shire: 6.

396 Strophosomus Billberg.

§ A. Thorax truncate at the base.

— Black; varied with fuscous and ashy scales: suture black at the base;
legs and antennae rusty-red; forehead and rostrum with a rough longi-
tudinal furrow, divided by a transverse ridge. (L. 2-3 l.) On hazel; generally distributed: 4-6.

1918 rufipes Ste. M. iv. 126. — Black; variegated with fuscous and ash scales; suture concolorous, or with a minute black dot at the base; legs red; antennae pitchy; forehead impressed; rostrum with a fovea, divided by a transverse ridge. (L. 1½-2½ l.)


1919 obsesus Marsh. i. 304. — Ste. M. iv. 127. — Short, stout; black, with ashy scales; thorax faintly granulated; elytra slightly striated; legs reddish; antennae pitchy; rostrum roughish, with an obscure furrow. (L. 2 l.)

Var.? St. cognatus Ste. M. iv. 127. — Rather narrow; elytra distinctly punctate-striate; rostrum not furrowed. In woods, &c.: London district; Bristol; Swansea: 5-6.

1920 atomarius Marsh. i. 312. — Ste. M. iv. 127. — Griseous-red; sprinkled throughout with minute fuscous spots; thorax roughly punctured; elytra finely striated, the striae composed of elongate punctures; legs red; antennae rusty-red. (L. 1½-1¾ l.) Amongst thick herbage: London district; Bristol; Norfolk; Suffolk; S. Wales: 5-6.

1921 subrotundus Marsh. i. 304. — Ste. M. iv. 128. — Griseous; uniformly clothed with coppery or fuscous scales; thorax ovate; elytra gibbous, faintly punctate-striate, interstices rounded; legs and antennae reddish; rostrum with a longitudinal furrow, and a transverse ridge at the base. (L. 3½ l.) Woods: London district; Bristol: 5-6.


1923 squamulatus Fab. E. ii. 527. — Herbst. C. vi. pl. 87. f. 12. — Ste. M. iv. 119. — Somewhat globose; fuscous, or black; densely clothed with whitish scales and hairs; thorax transverse, slightly convex; elytra ample, gibbous, finely striated; tibiae, tarsi, and antennae testaceous; rostrum broad, notched. (L. 1½ l.)

? Cu. retusus Marsh. i. 306. — Ste. M. iv. 129. — Narrower; eyes very prominent; legs of a clearer red; the thighs sometimes reddish. Heaths, woods, sand-pits, &c.: Hampstead; Isle of Wight; Bristol; S. Wales; Edinburgh: 4-6.

1924 nebulosus Ste. M. iv. 129. — Fuscous; clouded with ash scales; eyes slightly prominent; elytra punctate-striate, alternate interstices slightly raised; legs and antennae red; rostrum with a deep furrow. (L. 1¾ l.) Heaths: Ripley: 6.

§ B. Thorax waved at the base.

1925 chalasphorus Ste. M. iv. 129. — Rather globose; black; densely clothed with ash scales and short griseous hairs; thorax with a faint dorsal channel, and a deep transverse furrow at the base; elytra very obliquely striate; head with a longitudinal furrow. (L. 3½ l.) Woods: London district; Bristol; Dorsetshire: 6.

1926 pilosellus Gyll. iii. 300. — Ste. M. iv. 130. — Cu. pilosus Herbst. C. vi. pl. 77. f. 6. — Rather elongate; black; clothed with griseous hairs and scales; forehead flat, with a deep furrow; thorax with 4 ashy stripes; elytra narrowed in front, deeply punctate-striate, alternate interstices a v 3.
little narrowed, the broader ones with compact ashy scales; antennae pitchy. (L. 3-3½ l.) Hedges, &c.: London district: 5-6.


397 Scafilhus Schönherr.

1928 muricatus Fab. E. ii. 544. — Herbst. C. vi. pl. 87. f. 9. — Ste. M. iv. 131. — Ashy-brown; densely clothed with ashy scales, intermixed with brown hairs on the elytra; thorax ashy, the sides and a dorsal line whitish; legs and antennae rusty-brown. (L. 2½-3 l.)

Var. Cu. asperatus Fab. E. ii. 541. — Bons. Cu. ii. 34. f. 25. — Ste. M. iv. 131. — Dull ash; elytra spotted with fuscous; thorax fuscous, with 3 ashy lines.

Var.? Sc. pusillus Ste. M. iv. 131. — Griseous, not variegated or spotted; thorax without any pale streaks. (L. 1½ l.) Shady places, in woods: London district; Bristol; Swansea; Cambridgehire: 5-6.

398 Brachysomus Schönherr.

1929 hirsutulus Fab. E. ii. 526. — Pz. F. vii. f. 7. — Ste. M. iv. 132. — Black-brown, reddish, or dull red; pubescent: elytra globose, hispid, deeply punctate-striate; thorax narrow; legs and antennae pale testaceous; rostrum not furrowed. (L. 1½-1¾ l.) Hedges; sandy lanes, &c.: London and Edinburgh districts; Bottisham; Swansea: 4-6.

399 Sitona Germar.

§ A. Eyes small, flattish. a. Elytra hispid.

1930 regentsteinensis Herbst. C. vii. 46. pl. 98. f. 3. — Si. Ulieis Kirby. — Ste. M. iv. 133. — Wingless; black; variegated with ashy scales, sometimes tinted with greenish-copper on the head and thorax; the latter convex, deeply punctured, with its sides and a dorsal line pale; elytra faintly striate, shoulders with a pale streak; tibiae, tarsi, and antennae pitchy, club dusky: thighs sometimes pale. (L. 2-3½ l.)


Var.? Si. femoralis Ste. M. iv. 134. — Slightly clouded with greenish scales; thighs elongate, stout, and black. Abundant on furze (Ulex) throughout the country: C.

1931. hispidula Fab. E. ii. 526. — Ste. M. iv. 134. — Cu. crinitus Herbst. C. vi. pl. 77. f. 13. — Winged; oblong-ovate; black, with fuscous scales: thorax deeply punctured, and with the sides and a dorsal line ashy; elytra deeply punctate-striate, varied with ashy, and each interstice with a row of whitish hairs; thighs pitchy; tibiae and tarsi testaceous. (L. 2-2½ l.)

Var. Si. pallipes Ste. M. iv. 135. — Elytra spotless, legs wholly pale testaceous. Also abundant on sandy heaths throughout the country: 4-9.

b. Elytra pubescent, but not hispid.

1932 lineata L. ii. 616. — Don. xi. pl. 389. f. 2. — Ste. M. iv. 135. — Black; clothed above with fuscous and beneath with ashy-silvery scales, but of variable tint: thorax short, broad behind, very finely punctured; the lateral margins and a dorsal line mostly whitish; elytra punctate-striate,
alternate interstices frequently whitish; tibiae, tarsi, and antennæ dull red; — the colour of the scales varies considerably. (L. 2-2½ l.)

Var. Cu. caninus Fab. E. ii. 524. — Elytra ashy-brown, with a short stripe at the base of the suture, and another on the shoulders whitish.

Var. Cu. ruficlavis Marsh. i. 312. — Ste. M. iv. 136. — Black, and slightly glossy, from the scales being abraded; antennæ wholly red. Very abundant, in gardens, pea-fields, &c., throughout the country: (c).

1933 sulcifrons Thumbs. Mus. A. U. app. vi. 113. — Cu. campestris Oliv. E. v. 380. pl. 25. f. 366. — Si. tibialis Ste. M. iv. 138. — Black, sparingly clothed with coppery scales; thorax very finely punctured, with 3 obscure silvery lines, the 2 lateral ones continued to the margins of the breast; elytra rather short, punctate- striate; tibiae testaceous; antennæ reddish; club dusky. (L. 2-2½ l.) Pastures, &c.: abundant everywhere: (c).

1934 subaurata Kirby. — Ste. M. iv. 138. — Black, sparingly clothed with coppery or golden scales, somewhat tessellated on the elytra; thorax with 3 obscure pale lines and 2 more evident spots; antennæ, tibiae and tarsi, and sometimes the thighs, rusty-testaceous. (L. 1⅓-2 l.)

? Si. pleuritica Kirby. — Ste. M. iv. 134. — Smaller and narrower, with the pleure somewhat silvery. Abundant in grassy fields: everywhere: (c).

1935 punicollis Kirby. — Ste. M. iv. 137. — Black, densely clothed with fuscous or griseous scales; thorax rather long, finely punctured, the hinder angles slightly prominent; the sides and a dorsal line pale, with 2, 4, or 6 varied pale dots on the disc; tibiae, tarsi, and base of antennæ dull red. (L. 2½-3 l.)

Var. Si. canina Ste. M. iv. 136. — Antennæ with the club dusky.

Var. Cu. nigriclavis Marsh. i. 312. — Ste. M. iv. 136. — Antennæ with the club black; thorax without pale spots.


Var. Cu. flavescens Marsh. i. 311. — Ste. M. iv. 137. — Testaceous yellow, beneath paler; eyes, and some minute dots on the elytra, black. Abundant in grassy places: generally distributed: (c).

1936 grisea Fab. E. ii. 520. — Ste. M. iv. 135. — Black; clothed above with griseous, and beneath with ashy, scales; thorax with 3 whitish lines; elytra spotless; tibiae, tarsi, and antennæ reddish. (L. 2½-3 l.) Common in grassy places: everywhere: (c).

1937 suturalis Ste. M. iv. 138. — Black; sparingly clothed with ashy or greenish scales; thorax with the sides, and sometimes a dorsal line, pale; suture, and a streak down each elytron, also pale; legs and base of the antennæ dull red. (L. 2-2½ l.) Grassly places: near London and Bristol: 6-9.

1938 humeralis Kirby. — Ste. M. iv. 138. — Black, or fuscous; clothed with griseous or ashy scales; thorax with 3 obscure lines; elytra delicately punctate-striate, with a humeral streak and the scutellum pale; legs and antennæ pale rusty-red: — club of the latter and the thighs sometimes scaly. (L. 1⅔-2½ l.)


§ B. Eyes large, prominent. a. Elytra hispid.

1939 crinita Oliv. E. v. 382. pl. 35. f. 550. — Ste. M. iv. 139. — Oblong-ovate, black; clothed with griseous or whitish scales; thorax faintly
punctured, the sides and a dorsal line pale; elytra slightly punctate-striate, interstices dotted with black, and with whitish hairs; tibiae, tarsi, and base of antennae red. (L. 2 l.)


1940 lineicella L. F. No. 516.? — Bons. C. ii. 30. f. 18.? — Ste. M. iv. 140. — Oblong; black; with fuscous scales; thorax with 3 whitish stripes; elytra faintly punctate-striate, somewhat hispid behind, with an irregular whitish dot on the disc, spotted with black; tibiae, tarsi, and antennae red. (L. 2 l.) Grassy places: London district; Swansea: 6-8.

b. Elytra slightly pubescent.

1941 cambrica Kirby. — Ste. M. iv. 140. — Short, ovate; black; spotless; above very sparingly clothed with ashy-brown scales; beneath with ashy; elytra faintly tesselated with ashy-brown; thorax somewhat glabrous, with 3 very faint pale streaks; legs and antennae wholly black, with an ashy pile. (L. 3-3 ½ l.) Gravel-pits: London; Hertford; Ripley; S. Wales: 5-7.

1942 fusca Marsh. i. 313. — Ste. M. iv. 140. — Somewhat linear; elongate; brown-black; body whitish beneath; suture irregularly pale; legs and antennae pitchy-black. (L. 3½-4 ½ l.) Sand and gravel pits: Hampstead; Wimbledon; Crwmlyn Burrows: 4-6.

400 POLYDRUSUS Germar.

§ A. Thighs unarmed.

1943 undatus Fab. E. ii. 525. — Oliv. E. v. pl. 35. f. 553. — Ste. M. iv. 144. — Oblong; black; clothed with ashy silvery scales; thorax narrow, somewhat cylindrical; elytra with 3 waved bands of dusky scales; legs and antennae red. (L. 2-2½ l.) Woods and hedges: London and Edinburgh districts; Bristol; S. Wales; Devon: 6.


1945 micans Fab. E. ii. 529. — Ste. M. iv. 144. — Cu. Pyri Don. iv. pl. 121. f. 314. — Black; clothed with golden-fiery-copper, greenish, or ashy-silvery scales; elytra ample, gibbous behind; legs and antennae red, the latter shortish; thighs very obscurely toothed. (L. 3-5 l.) On trees and hedges: London district; Swansea; Carlisle: 6.

1946 flavipes De Geer, v. 241. — Ste. M. iv. 145. — Oblong; black; clothed with brilliant satiny-green or bluish scales, with longish brown hairs intermixed: legs and antennae pale testaceous, the latter slender; rostrum short. (L. 3-4 l.) Hedges, trees, &c.: London district; Bottisham; S. Wales: 6.


1949 speciosus Ste. C. 412. No. 1836 *. — Cur. vi. pl. 278. — Oblong; black; glabrous; densely clothed with silken-green scales; elytra deeply
punctate-sulcate; legs and antennae pale testaceous; club of the latter black. (L. 3-4½ l.) Trees: Kimpton, Hants: 6.

50. sericeus Schall. A. H. i. 286. — Ste. M. iv. 143. — Cu. splendidus Herbst. A. pl. 24. f. 30. — Oblong; black; clothed with opaque rounded green scales; elytra with the suture raised behind; legs and antennae pale testaceous, the latter slender; club rather dusky; thighs very obscurely toothed, unarmèd in ♀. (L. 2½-3 l.) Hedges: London district; Bristol: 6.

§ B. Thighs distinctly toothed.

51. cervinus L. ii. 615. — Ste. M. iv. 143. — Cu. messor Herbst. C. vi. pl. 75. f. 11. — Oblong; black; clothed throughout with shining ashy or golden scales; elytra with irregular denuded brown spots; tarsi and antennæ red; club of latter black. (L. 2½-3 l.) Var. Cu. melanotus Kirby. — Ste. M. iv. 143. — Scales of a greenish hue; elytra very indistinctly spotted. Hedges, &c.: London district; S. Wales; Coombe, &c.: 5-6.

52. Chrysomela Olts. E. v. 415. pl. 26. f. 386. — Schön. S. (Cur.) ii. 146. — Oblong-ovate; black; slightly pubescent; sparingly clothed with golden scales; thorax and elytra on each side with a whitish patch; elytra deeply striated; tibiae, tarsi, and antennæ testaceous. (L. 2½-3½ l.)


54. pulchellus Ste. M. iv. 149. — Slender; black; rather sparingly clothed with golden-griseous scales; elytra striate, the 2d and 5th interstices and the margin densely clothed with pale greenish-ashy scales; legs and antennæ pale testaceous; thighs very slightly toothed. (L. 2½ l.) Darent Wood: 6.

401. Nemoicus Dillwyn.

55. obscurus L. ii. 615. — Mart. C. pl. 20. f. 33. — Ste. M. iv. 146. — Elongate, narrow; black, or brown; with a longish pubescence; legs and antennæ red; elytra pale dull red or brown, with the margin generally black: — sometimes entirely pale, or black, and with the elytra, legs, and antennæ pale, &c. (L. 2-2½ l.) In woods and hedges: generally distributed: 4-8.

402. Phyllobius Schönherr.

§ A. Thighs toothed.

56. calcaratus Fab. E. ii. 539. — Clairev. E. H. i. pl. 8. f. 3, 4. var. — Oblong; black; slightly pilose; clothed with slender ashy, greenish, coppery, or golden scales; thorax narrowed in front, obsolescently constricted;
scutellum somewhat oval, rounded at the tip; legs and antennae reddish, pitchy or black. (L. 4 l.) Woods: London district: 6.

1957 Pyri L. ii. 615. — Pz. F. evii. f. 4. — Ste. M. iv. 147. — Oblong; black; clothed with narrow silvery green or blue scales; thorax rather short, narrowed in front, transversely convex; scutellum triangular, acute; elytra slightly clouded with dusky scales; legs and antennae rusty-red; club fuscous. (L. 3-4 l.)
Var. 5 Cu. caesius Marsh. i. 318. — Ste. M. iv. 147. — Narrower; elytra spotless.


1958 argentatus L. ii. 615. — Don. iii. pl. 107. — Ste. M. iv. 148. — Black; clothed with rounded green, or bluish, scales; and with scattered pale erect hairs; tibiae and tarsi pale yellowish; antennae rather stout, pale testaceous: — thigs sometimes flavescent. (L. 2½-3 l.) On oaks, &c.: abundant throughout the country: 5-6.

1959 maclxicornis Germ. I. N. i. 449. — Fawn. I. E. ix. f. 12. — Ste. M. iv. 148. — Oblong; black; clothed with bluish, golden-yellow, or greenish scales, and a few whitish hairs; tarsi (and sometimes the tibiae) pitchy; antennae dull red, with the tip of the scape and the club black. (L. 3 l.) On trees: common in the London district; Bottisham; Yorkshire; Inverness: 5-6.

1960 Mali Fab. M. i. 122. — Mart. C. pl. 19. f. 21, 22. — Ste. M. iv. 149. — Oblong; black; clothed with narrow golden-coppery scales, sometimes greenish, whitish on the scutellum: legs and antennae, the latter stoutish, testaceous; thorax much narrower than the elytra, especially in front. (L. 3-4 l.) Abundant on trees within the London district; Bottisham; S. Wales: 5-7.

§ B. Thighs not toothed.

1961 Pomone Oliv. E. v. 380. pl. 35. f. 548. — Ste. M. iv. 149. — Black; clothed with green, golden, or bluish scales; thorax transverse, narrowed in front; abdomen densely scaly; tibiae and antennae dull red. (L. 2-2½ l.)
Trees: London district: 5-6.

1962 uniformis Marsh. i. 311. — Ste. M. iv. 149. — Black; clothed with pale dull green, bluish, or golden scales; thorax oblong; tibiae and tarsi testaceous; antennae rather stout, also testaceous. (L. 1½-2 l.)
Var. 1 Ph. albidus Ste. M. iv. 150. — Scales pale whitish-ash; thigs dusky; antennae rather slender. Hedges, &c.: London and Edinburgh districts; Bottisham; S. Wales: 5-7.

1963 parvulus Fab. E. ii. 528. — Oliv. E. v. 381. pl. 20. f. 271. — Ste. M. iv. 150. — Black; clothed with green, whitish, or tawny scales; thorax transverse; abdomen slightly scaly; apex pitchy; thigs dusky; tibiae and sandy dull testaceous; antennae pale testaceous. (L. 1½-1¾ l.)

1964 viridicoliss Fab. E. ii. 528. — Oliv. E. v. 83. pl. 20. f. 268. — Ste. M. iv. 151. — Black; shining; sides of the thorax and the breast clothed with green scales; tibiae, tarsi, and antennae dull red; the latter rather stout. (L. 2½-2½ l.) On the coast (on Artemisia maritima): Newcastle; Edinburgh; Yarmouth: 5-6.

403 Tanymecus Germ.

1965 palliatus Fab. E. ii. 513. — Pz. F. xix. f. 5. — Ste. M. iv. 152. — Elongate; densely clothed with short hairs and scales; fuscous above,
dusky-white beneath, and on the sides: thorax longish; rostrum with an obsolete impression. (L. 4-5½ l.) On nettles: Epping Forest; Darent; Bottisham; Yorkshire; Bristol: 6.

404 Brachyderes Schönherr.
(1966) incanus L. ii. 616. — Ste. M. iv. 151. note. — Elongate; black; with brown pubescence; antennae slender, dull red. (L. 7-2 l.) Improperly stated as British.

405 Rhytiphinus Schönherr.

406 Cleonus Schönherr.
1968 ophthalmicus Herbst. C. vi. 86. pl. 65. f. 3. — Cle. distinctus Ste. M. iv. 153. — Black; varied with ash-white; thorax with a ridge in front, and 2 flexuous whitish stripes; elytra faintly punctate-striate, each with 2 distinct white spots behind the middle; rostrum with a longitudinal ridge. (L. 7 l.) Coombe Wood; Epping Forest: 6.


1971 sulcirostris L. ii. 617. — Don. xv. pl. 509. f. 1. — Ste. M. iv. 155. — Black; densely clothed with ash and elytra; elytra acuminated, deeply punctate-striate, with 2 very oblique denuded bands; rostrum with 3 somewhat equal grooves. (L. 7-10 l.) Barren heaths, &c.: Hertford; Southend; Bottisham; Yarmouth; Bristol; S. Wales; Leith: 3-8.

407 Bothynoderes Schönherr.
1972 albidus Fab. E. ii. 517. — Pz. F. xix. f. 7. — Ste. M. iv. 156. — Black; with whitish pubescence; disc of thorax, 4 spots and a band on the elytra denuded; rostrum with 2 furrows, the tip of the ridge bifid; antennae with the base dull red. (L. 5-6 l.) Gravel-pits: Norwich; Ipswich; Cromer; Portobello, near Edinburgh: 5-6.

408 Lixus Fabricius.
1973 † Ascanii L. ii. 610. — Pz. F. xlii. f. 13. — Ste. M. iv. 157. — Elongate; black: clothed with a pale yellowish down; a line on each side of the thorax, and on the sides of the elytra, bluish-white; elytra finely punctate-striate, the apex scarcely acuminated; tarsi and antennae dull pitchy. (L. 6 l.) Norfolk?

1974 paraplecticus L. ii. 610. — Don. x. pl. 348. f. 2. — Ste. M. iv. 157. — Ashy-brown, pubescent, sprinkled with a testaceous powder; elytra somewhat cylindric, the apex terminating in a short mucro, the disc punctate-striate, striae disposed in pairs, the alternate interstices most
lutescent; legs black; antennae dull red; club black. (L. 8-9½ l.) On aquatic plants, Isle of Ely: 6.

1975 productus Marsham. — Ste. M. iv. 158. — Narrow; ashy-brown, pubescent, with a greenish or lutescent powder: elytra cylindric, regularly punctate-striate, lateral margins luteous, the apex produced into an elongate, more or less diverging, acute spine-like mucro; antennae pale dull red, club fuscous. (L. 6-8 l.) On Sium latifolium: banks of Thames, between Fulham and Barnes; Isle of Ely; Holme Fen, Hants; Halvergate, Norfolk; near Carlisle, &c.: 6-7.


1977 bicolor Olie. E. v. 244. pl. 30. f. 460.? — L. lateralis Ste. M. iv. 159. — Narrow, black; clothed with a tawny-brown pile: thorax with the sides broadly yellowish-white; elytra obtuse, finely punctate-striate, sides dusky, base impressed; rostrum straight, with a ridge. (L. 5 l.) Isle of Thanet, near Sandwich: 6.

409 Larinus Schäppel.

1978 Sturnus? Herbst. C. vi. 126. pl. 68. f. 5. ♀: pl. 62. f. 2. ♂? — Ste. M. iv. 159. — Black; thorax roughly punctured, the sides ashy; elytra punctate-striate, interstices finely roughened transversely, and with tufts of griseous pile, the 3d interstice with a broken whitish band; antennae pitchy; club dusky. (L. 6 l.) Hedges: Merton: 6.

410 Rhinobatus Megerle.

1979 planus Fab. E. ii. 441.? — Ste. M. iv. 160. — Cu. ebeneus Don. xv. pl. 509. f. 2. — Black, clouded with fascicles of griseous down; thorax thickly roughened; elytra somewhat cylindric; punctate-striate, and finely coriaceous; antennae dull pitchy. (L. 4½-5 l.) On the coasts: Dover; Sandgate; Brighton; Somersetshire: 6.

411 Rhinocyllus Germar.


(412 Chlorophanus Dalman.)

(1981) viridis L. ii. 616. — Pz. F. xvii. f. 3. — Ste. M. iv. 161. note. — Black, slightly sprinkled with green scales above; and densely clothed beneath and on the sides with yellowish-green. (L. 5-6 l.) Improperly recorded as British.)

413 Magdalis Germar.


RHINODES. — PANUS.

v. pl. 212. — Black, slightly shining; glabrous; thorax punctured, its sides crenulated: elytra with cancellated striae, interstices convex, and somewhat smooth. (L. 2 1/2-3 1/2 l.) Hedges, &c.; not common: London district: 6-7.


414 RHINODES DE JEAN.

1986 Pruni L. ii. 607. — Ste. M. iv. 164. — Cu. crythrocero Herbst. C. vi. pl. 64. f. 6. — Black; slightly opaque: thorax with an obtuse tubercle on each side, the disc closely punctate: elytra elongate, somewhat cylindric, crenate-striate; antennae dull red; rostrum short, straight. (L. 1-1 1/4 l.) Hedges: London district; Bottisham; Carlisle: 6-7.


415 PANUS SCHÖNHERR.

1988 barbicornis Lat. G. ii. 264. — Ste. M. iv. 165. — Black; somewhat opaque: thorax flatish above, 3-foveolated; elytra rather glossy, punctate-sulcate, interstices convex, finely strigose; antennae dull red beneath, the club black-brown. (L. 1 1/4 l.) Hedges: Ripley; Bristol; Norfolk: 6.

Fam. 49. ATTELABIDÆ Westwood.

ccexxvi. Apion Ant. 11-jointed, basal or medial: rost. porrect, more or less curved: body pear-shaped, nearly glabrous.

ccexxvii. Oxyystoma Ant. 11-jointed, basal: rost. elongated, deflexed, not dilated at the tip: body oblong, convex, very pubescent.

ccexxviii. Ramphus Ant. 11-jointed, short, 2d joint elongated, somewhat clavate: rost. elongate, filiform, incurved: post. thighs thickened, formed for leaping.

ccexxix. Deporaüs Ant. 11-jointed, basal joints short, robust, 2d globose: rost. short, dilated at the tip: post. thighs thickened in♂.

ccexx. Rhynchites Ant. 11-jointed: rost. dilated at the tip, longer than the head, the latter inserted by a thick neck into the tho., which is conic-cylindric: body slightly flattened.

ccexxi. Attelaus Ant. 11-jointed: rost. shorter than the head, deflexed, dilated at the tip: head not narrowed behind: elytra somewhat 4-drate: tip of abdomen exposed: body broad, rather globose.

ccexxii. Aposerus Ant. 12-jointed: rost. short, stout, scarcely dilated at the tip: head narrowed behind into a distinct neck: tho. narrowed in front, somewhat 3-angular.
416 Apion Herbst.

A. Rostrum subulatum at the apex, thickened at base.
1989 Cracceae L. ii. 606. — *Herbst*. C. vii. pl. 102. f. ii. B. — *Ste. M.* iv. 166. — Black, obscure; with a slight hoary pubescence: rostrum compressed, gibbous beneath, apex attenuated; antennae testaceous at the base; coleoptera somewhat globose, punctate-sulcate. (L. 1\(\frac{1}{2} \pm 1\) l.)


1990 Pomoneae Fab. E. ii. 425. — *Ste. M.* iv. 167. — Ap. carulescens *Lin.* Tr. (Kirby) ix. pl. 1. f. 4. — Black; with a hoary pile: forehead rugulose; rostrum gibbous beneath, punctured; thorax somewhat convex, punctured; coleoptera somewhat ovate, bluish, punctate-sulcate: antennae basal, 1st joint red at the base in the ♀, and forehead sulcate. (L. 1\(\frac{3}{4} \pm 2\) l.) On *firs* and *whitethorn*: Hertford; Dulwich; Southend; Cambridge: 3-7.

1991 subulatum *Lin.* Tr. (Kirby) ix. 28. pl. 1. f. 5. — *Ste. M.* iv. 167. — Black, opaque, somewhat pilose: rostrum elongate: forehead striated: head and thorax punctured, the latter with a short dorsal impression: elytra punctate-sulcate: ♀ with basal joint of antennae reddish. (L. 1\(\frac{3}{4} \pm 2\) l.)


B. Rostrum filiform, or somewhat cylindric.

a. Rostrum short.


1993 Rumicis *Lin.* Tr. (Kirby) ix. 67. — *Ste. M.* iv. 169. — Black, or bluish, rather smooth and glossy: head, thorax, and rostrum punctured; the latter short, stout; coleoptera obovate, dark violet, obtuse, punctate-sulcate: antennae long, club thickened. (L. 1-1\(\frac{1}{4} \pm 1\) l.)


1994 affine *Lin.* Tr. (Kirby) ix. 68. — Black, glabrous; slightly shining: head large, punctured; rostrum thick, somewhat filiform: head and thorax punctured, the latter coarsely, and somewhat globose; coleoptera obovate, greenish, punctate-sulcate. (L. 1\(\frac{1}{4} \pm 1\) l.) London district; Suffolk; Bottisham; Southend: 4-6.

1995 curtirostre *Germ.* M. ii. 250. — *Ste. M.* iv. 170. — Black, with a griseous pile; head punctured, rough between the eyes; thorax somewhat cylindric, punctured, and with an impression behind; coleoptera oblong-oboval, punctate-sulcate: rostrum short. (L. 1\(\frac{1}{2} \pm \frac{1}{2}\) l.)


head small. Amongst herbage: London district; Norfolk; Suffolk; Yorkshire; Scotland: 5-7.
1996 minimum *Herbst. C.* vii. 115. pl. 103. f. 3. g. — Ap. velox *Lin. Tr.* (Kirby.) x. 349. — Ste. M. v. 173. — Black; somewhat opaque; very finely pubescent: head with confluent wrinkles between the eyes; thorax with united punctures and a faint dorsal line; coleoptera obovate, punctate-sulcate, interstices very narrow, ridged; rostrum short and stoutish. (L. 1/2-1 l.) On willows: Coombe Wood; Dorking: 6-8.
1997 simile *Lin. Tr.* (Kirby) x. 351. — Ste. M. iv. 171. — Black, with a slight obscure pile: rostrum longish, curved; thorax somewhat cylindric, with confluent punctures, and a dorsal line; coleoptera obovate, brassy-black, and silky, punctate-striate, interstices flat. (L. 1-1½ l.) Ripley; Hertford; Dorking; Hunstanton, Norfolk; Yorkshire: 5-9.
1998 tenue *Lin. Tr.* (Kirby) ix. 61. — Ste. M. iv. 171. — Very slender; deep black, somewhat glabrous and shining; head with united punctures; thorax oblong, cylindric, and slightly punctured, with a deeper impression behind; coleoptera oblong-oval, punctate-striate; rostrum moderate, slender. (L. 1 l.) On Medicago sativa, &c.: Ripley; Southend; Little Blakenham; Suffolk; S. Wales; Scotland: 5-9.
1999 senicus Lin. Tr. (Kirby) ix. 61. — Ste. M. iv. 171. — Narrow; deep black, with rather long ashy pile; head narrow, faintly punctate between the eyes; thorax widish behind; punctured; coleoptera oblong-ovate, finely punctate-striate; rostrum rather long, slender, bent. (L. 1½ l.) London district; Suffolk; Yorkshire: 5-9.
2000 pubescens *Lin. Tr.* (Kirby) x. 350. — Ste. M. iv. 179. — Black, with whitish pile: head deeply impressed between the eyes, and obscurely striated; thorax short, broadish behind, punctulate, the base with a furrow; coleoptera ovate, faintly punctate-striate, interstices flatish. (L. 1 l.) London district; Suffolk; Yorkshire: 5-9.
2001 Curtisii Kirby. — Ste. M. iv. 169. — Black; glabrous, slightly shining; head faintly impressed between the eyes, and delicately striated; thorax slightly elongate, punctulate; coleoptera obovate, sometimes with a bluish tinge; antenna pitchy, club black. (L. 1½ l.) London district; Norfolk: 6.
2002 violaceum *Lin. Tr.* (Kirby) ix. 65. pl. 1. f. 16. — Ste. M. iv. 172. — Deep black or brassy, mostly glabrous; head wrinkled with confluent punctures; obscurely furrowed between the eyes: thorax somewhat cylindric, irregularly but thickly punctured, and with a 3-angular pit at the base; coleoptera oblong-ovate, punctate-sulcate, blue, violet, or greenish; rostrum short, stout, bent. (L. 1½-2 l.) On the dock: London district; Norfolk; Suffolk; Lancashire; S. Wales; Scotland, &c.: 5-8.
2004 Malvae Fab. E. ii. 426. — *Lin. Tr.* (Kirby) ix. pl. 1. f. 2. — Ste. M. iv. 173. — Black; clothed with whitish decumbent hairs; elytra, except the base, which is dusky, legs, and antennae testaceous; coxae black. (L. 1 l.) On the mallow (Malva): London district; Cambridge; Bottisham; S. Wales, &c.: 4-7.
2005 haematodes *Lin. Tr. (Kirby)* ix. 76. — *Germ. M.* ii. pl. 4. f. 25. — *Ste. M.* iv. 174. — Pale blood red, opaque; legs pale; eyes black; elytra crenate-striate; rostrum very short, bent, glabrous. (L. 1 4/5-1 3/5.) Amongst furze on heaths: London district; Cambridge; S. Wales; Yorkshire: 4-6.


2010 Onopordi *Lin. Tr. (Kirby)* ix. 71. — *Germ. M.* ii. pl. 2. f. 14. — *Ste. M.* iv. 175. — Black, glabrous; head flattish in front, rugulose, with confluent punctures between the eyes; thorax oblong, cylindric, deeply and coarsely punctured, and with a basal furrow; coleoptra ovate, greenish-brass or bluish, punctate-sulcate; antennæ basal. (L. 1 4/5-2 1/2.) Var.? Ap. rugicole *Germ. M.* ii. 201. pl. 3. f. 18. — *Ste. M.* iv. 175. — Brassy; sides of thorax rounded; elytra with interstices faintly punctured. On Onopordum acanthium, docks, &c.: London district; Cambridge; S. Wales; Yorkshire: 5-8.

2011 penetrans *Germ. M.* ii. 211 pl. 2. f. 12. #. f. 11. #. — *Ste. M.* iv. 175. — Elongate; narrow; deep black; opaque; with a griseous pile; head flat; thorax oblong, punctured, with a furrow behind; coleoptra oblong-ovate, punctate-sulcate; antennæ basal. (L. 1 1/2.) Thistles: London district: 5-6.


2013 stolidum *Germ. M.* ii. 218. pl. 2. f. 5. — Slender; black; slightly pubescent: forehead with 2 longish furrows, approaching behind; thorax slightly narrowed in front, obsoletely punctured; elytra faintly punctate-striate; antennæ basal. (L. 1 3/4-1 1/5.) London district and Sussex: 6.

2014 levigatum *Lin. Tr. (Kirby)* ix. 70. — *Ste. M.* iv. 177. — Lanceolate; black; glabrous; smooth: forehead with 4 or 5 striae between the eyes; thorax cylindric, punctate, disc smooth; coleoptra obovate, violet, finely and faintly punctate-striate; antennæ basal. (L. 1 1/3.) London district and Suffolk: 6.

2015 sanguineum *Fab. E.* ii. 423. — *Herbst.* C. vii. pl. 102. f. 1. A. — *Ste. M.* iv. 177. — Black; glabrous, rather glossy; head smooth behind, punctulated and with a deep furrow between the eyes: thorax finely punctured,
with a fovea behind; coleoptera ovate, acute, brassy, or greenish, simply striated; antennae submedial. (L. 2 l.) On mallows, &c.: abundant: London district; Cambridge; Carlisle; Yorkshire; S. Wales; Scotland, &c.: 4-8.

2016 Carduorum Lin. Tr. (Kirby) ix. 72. pl. 1. f. 19. — Ste. M. iv. 177. — Black; with obscure pile: head roughly striate between the eyes, and with a smooth fovea in front: rostrum longish; with a tuberele on each side at the insertion of the antennae, which are basal: coleoptera oblong-ovate, bluish, or greenish; punctate-striate. (L. 1 1\(\frac{1}{2}\) l.)


b. Rostrum more or less elongate. 1. Antennae basal.

2017 rufirostre Fab. E. ii. 424. — Ste. M. iv. 178. — Herbst. C. vii. pl. 102. f. 10. \(\varphi\). — Black, with a slight ashy pile above, and dense whitish one beneath; legs and antennae pale red; tarsi beneath black; thorax short, widest behind, with a faint dorsal impression; coleoptera ovate, shining, sulcate-punctate: rostrum of \(\varphi\) with the tip red, of \(\varphi\) wholly black; apex of abdomen red in the \(\varphi\). (L. 1 1\(\frac{1}{2}\) l.) On mallows; generally distributed: 5-7.

2018 pallipes Lin. Tr. (Kirby) ix. 38. pl. 1. f. 7. — Ste. M. iv. 178. — Black, obscure; with a slight griseous pile: head wide, punctulate, with a channel between the eyes: thorax slightly globose, very thickly punctured: coleoptera oblong-ovate, punctate-striate; base of the antennae and legs tesselaeous; tarsi dusky. (L. 1 1\(\frac{1}{2}\) l.) Grassly places: London district; Yorkshire: 5-7.

2019 confluens Lin. Tr. (Kirby) ix. 62. pl. 1. f. 15. — Ste. M. iv. 179. — Slender, black; slightly pubescent; head with 2 deep furrows between the eyes, united behind: thorax cylindric, rather faintly punctured, and with an obscure dorsal line: coleoptera oblong-ovate, obsolesly punctate-sulcatae. (L. 1 1\(\frac{1}{2}\) l.) Meadows: London district; Suffolk and Yorkshire: 5-7.


2022 piecorne Walton? — Rather narrow; black, densely pubescent; thorax slightly narrowed in front: elytra punctate-striate; anterior tibie, and base of the 4 posterior reddish-pitchy; antennae pitchy, club black. (L. 3\(\frac{1}{2}\)-1 l.) London district, near Dorking; Suffolk: 5-6.

2023 vicinum Lin. Tr. (Kirby) ix. 25. pl. 1. f. 3. — Ste. M. iv. 180. — Black, slightly pilose; head punctured between the eyes; thorax short, narrowed in front, and with an obscure puncture behind; coleoptera somewhat globose, the shoulders prominent, deeply punctate-striate; antennae wholly black. (L. 1 1\(\frac{1}{2}\) l.) London district; Suffolk and Yorkshire: 5-6.

2024 Hookerii Lin. Tr. (Kirby) ix. 69. pl. 1. f. 16. — Ste. M. iv. 180. — Black; slightly pubescent; obscure: thorax globose, delicately punctured; elytra punctate-sulcata, tinted with greenish or blue, interstices transversely striose. (L. 1 1\(\frac{1}{2}\) l.) Hertford; New Forest; Norfolk and Yorkshire: 5-6.

z 3
2. Ant. more or less medial.

2025 striatum Marsh. i. 249. — Lin. Tr. (Kirby) ix. pl. 1. f. 10. — Ap. Pisi Ste. M. iv. 180. — Deep black, with somewhat hoary pile; rostrum moderate; head striated between the eyes: thorax punctulate, with a dorsal furrow, narrower than the coleoptra, which are globose, and deeply punctate-sulcate. (L. 1 1/2 l.)


2026 Sorbi Herbst. C. vi. 111. pl. 102. f. 9. — Ste. M. iv. 181. — Black, glabrous, and shining: head rough between the eyes; thorax somewhat globose, thickly punctured, with a very deep pit behind; coleoptra globose, black or tinged with brassy in the 3, greenish blue in 4, somewhat punctate-striate, interstices broad; rostrum long, especially in the 3, cylindric, bent. (L. 1 1/2 l.)


2027 Ervi Lin. Tr. (Kirby) ix. 23. — Germ. M. ii. pl. 3. f. 13. — Black; slightly pubescent: head striated between the eyes; thorax somewhat cylindric, base with a dorsal furrow; coleoptra subglobose, punctate-striate; rostrum elongate, slender, bent; antennae testaceae, club black. (L. 1 1/2-1 3/4 l.)


2028 punctigerum Ph. F. iii. 179. — Ste. M. iv. 182. — Black, glabrous; thorax somewhat cylindric, slightly punctate, the sides rather gibbous, base with an obscure line; coleoptra globose-ovate, punctate-striate, interstices convex, blue-black; head with 3 furrows between the eyes; rostrum rather thickened at the base. (L. 1 1/3 l.)


2029 Spencii Lin. Tr. (Kirby) ix. 57. pl. 1. f. 13. 3. — Ste. M. iv. 183. — Black, with an obscure whitish pile; head with 3 furrows between the eyes: thorax shortish, slightly narrowed in front, punctured, and with a basal channel: coleoptra oblong, deep blue or greenish, punctate-striate. (L. 1 3/4 l.)


2030 virens Herbst. C. vii. 118. pl. 103. f. 6. — Ste. M. iv. 184. — Black; somewhat glabrous, shining: head brassy, rugulose between the eyes; thorax obsolescently punctured, and with a basal fovea; coleoptra oblong-ovate, blue or greenish, punctate-sulcate, the sutural groove deepest. (L. 1 1/4-1 1/2 l.)


2035 pavidum Germ. M. i. 59. pl. 4. f. 4. — Ste. M. iv. 185. — Black with a griseous pile: thorax somewhat cylindric, punctate, and with a channel behind: coleoptera oboval, dull green, punctate-sulcate; antennae dull red at the base; head striate between the eyes. (L. 1½ l.) London district: 6.

2036 Waltoni. — Short, broad: black, with a palish pile: thorax short, slightly narrowed in front, punctured, and with a short channel at the base; coleoptera obovate, bluish-green, or lead colour; rather faintly punctate-sulcate; rostrum moderate, stoutish, slightly bent; head slightly excavated and roughish between the eyes. (L. 1-1½ l.) Brighton: 6.

2037 Kirbii Germ. M. iii. 50. — Ste. M. iv. 191. — Black; with a griseous pile: head rough between the eyes; thorax cylindric, deeply punctate, and with a short basal channel: coleoptera oblong-ovoval, punctate-striate, interstices flat: rostrum long and slender. (L. 1½ l.)


2038 obscurum Marsh. i. 244. — Ste. M. iv. 186. — Black; with a whitish pile; forehead with confluent punctures: thorax also deeply punctured, and with a slight basal furrow; coleoptera glabrous-oblong, obscure brassy black, faintly punctate-striate; 4 anterior legs dull red, joints black; rostrum rather long. (L. 1½ l.) Wiltshire?


3. Antennae medial.

2040 nigritarse Lin. Tr. (Kirby) ix. 31. pl. 1. f. 6. ♀. — Ste. M. iv. 187. — Black, shining; thorax cylindric; coleoptera ovate, gibbous, punctate-sulcate; 4 anterior coxae, trochanters and legs, pale testaceous; antennae pale testaceous, club black; apex of the rostrum pale testaceous: ♀ with
the 2 anterior coxae alone pale testaceous, rostrum wholly black. (L. ½-1 l.) Amongst clover, very abundant: London district; S. Wales; Yorkshire: 4-6.

2041 assimile Lin. Tr. (Kirby) ix. 42. — Ste. M. iv. 187. — Slender; black; glabrous: thorax cylindric, finely punctured; coleoptera narrow, somewhat elliptic, punctate-striate; all the thighs and the anterior coxae and tibiae testaceous; base of the antennae pitchy; rostrum rather long and bent. (L. 1½ l.) Clover fields, extremely abundant: generally distributed in the south; Yorkshire; S. Wales: ♂.

2042 apricans Herbst. C. vii. 117. pl. 103. f. 5. — Ste. M. iv. 188. — Black; glabrous; thorax oblong, somewhat cylindric, delicately punctured, and with a basal fovea; coleoptera obovate, punctate-sulcate; thighs, trochanters, 2 anterior coxae, and anterior tibiae pale red; antennae testaceous at the base. (L. 1½-1¾ l.) On Trifolium pratense; generally distributed: ♀.

2043 aestivum Germ. M. ii. 189. pl. 4. f. 16. — Ste. M. iv. 189. — Black; shining: thorax cylindric, finely punctured, and with a small basal fovea; elytra rather broad, oval, sulcate-punctate; anterior coxae and tibiae, thighs and 4 hinder tibiae within, pale testaceous; anterior trochanters pitchy. (L. 1-1½ l.)


2044 variipes Germ. M. ii. 173. pl. 4. f. 19. — Ste. M. iv. 190. — Black; shining: thorax oblong, deeply punctured, and with a basal channel; coleoptera oblong-oval, punctate-striate; legs testaceous; knees, lower half of the 4 hinder tibiae, and all the tarsi, black; anterior tibiae dusky at tip; antennae with the basal joint red; rostrum short, bent. (L. 1½ l.) Clover fields: London district; Southend; Bottisham; Yorkshire: ♂.

2045 levicolle Lin. Tr. (Kirby) x. 348. — Ste. M. iv. 188. — Black, glabrous, shining; forehead smooth, with an obscure basal fovea; coleoptera globose-ovate, gibbous; finely punctate-striate: thighs, anterior coxae and tibiae pale testaceous, apical portion of 4 hinder tibiae black. (L. 1½ l.) Near Windsor; Dulwich; Isle of Oxney; Brighton. Southend: 5-6.

2046 difforme Germ. M. iii. 46. — Cur. v. pl. 211. — Ste. M. iv. 190. — Shining black; forehead punctured: thorax sub-4-drater, coarsely punctured, and with a basal furrow; coleoptera oblong-ovate; faintly punctate-striate; thighs and anterior tibiae in the middle tawny-red, 4 hinder tibiae with a tawny ring; antennae red, with the basal joints dilated in ♀; club black. (L. 1½ l.) Meadows: near Coombe Wood; Bexley; Croydon; Brighton: 6-10.

2047 filirostre Lin. Tr. (Kirby) ix. 46. — Ste. M. iv. 191. — Black, glabrous; thorax somewhat cylindric, delicately punctured, and with a faint basal fovea; coleoptera somewhat globose-ovate, punctate-striate; legs and rostrum long, the latter filiform; ♀ with a pale ring at tip of anterior thighs. (L. 1½ l.) Little Blakenham, Suffolk; Brighton: 6-9.

2048 † glabratum Germ. M. iii. 47. — Ste. M. iv. 191. — Black, glabrous, shining; head punctate-rugose; thorax oblong, cylindric, punctured, and with a short basal furrow; coleoptera oblong-oval; punctate-sulcate; rostrum long, thickened at base. (L. 1½ l.?) Near Exeter.

2049 ebeninum Lin. Tr. (Kirby) ix. 55. pl. 1. f. 11. — Ste. M. iv. 191. — Deep black, very glabrous and glossy: thorax oblong, with the sides some-
what gibbous, coarsely punctured, and with a deep basal tovea; coleoptra oval, punctate-sulcate, interstices convex; antennae short; rostrum moderate. (L. L. I.) On Lotus major: Hertford; Coombe Wood; Southend; Sheppy; Yorkshire: 5-6.


2051 Ononis *Lin. Tr.* (Kirby) ix. 25. — *Germ. M.* ii. pl. 3. f. 24. — *Ste. M.* iv. 192. — Black, with a hoary pile; rather obscure: forehead obscurely striated; thorax cylindric, slender, and with a dorsal channel; elytra oboval, punctate-sulcate; rostrum longish, filiform, subcylindric and shorter in the ♀. (L. L. I.) On Ononis arvensis: London district; South Wales; Suffolk; Yorkshire; Scotland: 5-7.

2052 vorax *Herbst. C.* vii. 119. pl. 103. f. 10. — *Ste. M.* iv. 193. — Black, with an ashy pubescence; thorax somewhat conic, punctate, and with a dorsal channel; coleoptra oblong-oval, punctate-sulcate, dark blue; antennae testaceous at the base; anterior tibiae slightly flexuous in ♀. (L. L. L.) On Vicia cracea, &c.: London district; Cambridge, Southend; Yorkshire: 3-7.


2055 Gyllenhali *Lin. Tr.* (Kirby) ix. 63. — *Ste. M.* iv. 190. — Black; pubescent; head narrow, with wrinkled striae between the eyes, which are flattish; thorax short, somewhat cylindric; coarsely punctured, and with a distinct basal channel; coleoptra oblong-ovate, deeply punctate-striate; rostrum very long, stoutish; antennae sometimes pitchy at the base.


2056 Meliloti *Lin. Tr.* (Kirby) ix. 64. — *Ste. M.* iv. 195. — Rather narrow; black, with a slight pile; head elongate, roughly striate between the eyes; thorax oblong-cylindric, punctate, and with a basal channel; coleoptra elongate-ovovate, greenish blue or black, punctate-sulcate, interstices flattish; rostrum long, filiform, much bent. (L. L. L.) On Melilot: Charlton, Kent; Windsor; Yorkshire: 4-8.
417 Oxystoma Dumeril.


2058 Ulicis Forst. C. i. 31. — Ste. M. iv. 196. — Black, clothed with a dense ashy pile; anterior legs dull red; base of the thighs and 4 hinder legs black; tibiae dull red; antennae red at the base; — Legs sometimes all black, or red, or the 4 anterior ones dull red. (L. 1⅓-1½ l.) On furze (Ulex Europæus): generally distributed: 4-8.

2059 Genistæ Lin. Tr. (Kirby) x. 347. — Ste. M. iv. 196. — Black, clothed with whitish hairs; elytra with a broad straight whitish streak on the disc of each, reaching nearly to the tip; legs red; coxae, trochanters, and tarsi black. (L. 1½ l.) On Genista tinctoria: London district; Suffolk, &c.: 5-6.

418 Ramphus Clairville.

2060 pulicarius Herbst. C. vi. 429, pl. 90. f. 12. — Ste. M. iv. 197. — Black, slightly glossy; finely punctured; elytra punctate-striate; antennæ pale testaceous, with the club black, or very pale with the club dusky. (L. 1¾-1½ l.) On birch, willow, and whitethorn: London and Edinburgh districts; Bristol; Swansea; Halifax: 5-6.

419 Deporaüs Leach.


420 Rhynchites Herbst.

§ A. Rostrum short, broad, dilated at the apex.

2062 cylindricus Kirby—Ste. M. iv. 199. — Somewhat cylindric; glabrous; black, shining; thorax coarsely punctured; elytra irregularly and deeply punctate-striate; tip of rostrum pitchy. (L. 1½-1⅔ l.) Birch: Coombe Wood; Hertford; Raehills: 5-6.


2064 cyanocopennis Ste. M. iv. 199. — Somewhat cylindric, glabrous; shining black; thorax rough, irregularly and deeply punctured, narrowed slightly behind; elytra blue or greenish, somewhat coarsely crenate-striate, interstices obscurely punctured; tip of rostrum pitchy. (L. 2½-3 l.) In woods: London district; Midgley Moor; Raehills: 6.


2066 sericeus Herbst. C. viii. 135. pl. 104. f. 12. — Rh. ophthalmicus Ste. M. iv. 200. — Oblong-ovate, pubescent; blue-green or violet; thorax longish, minutely punctate; elytra coarsely punctate-striate, interstices
thickly punctured; rostrum short, with 3 furrows at the base; antennæ black. (L. 1½-2½ l.)


2067 cavifrons Chevrolat. — Schön. S. (Cur.) i. 226. — Ste. M. v. 421. — Oblong; blue-green, with a long pubescence; thorax punctured; elytra punctate-striate, interstices with obscure rows of punctures; rostrum longer than the head, with 2 grooves at the base; forehead with a deep excavation. (L. 2½-3½ l.) Woods; London district: 6.

§ B. Rostrum elongate: elytra distinctly striated.


2069 Alliarœ L. ii. 606. — Oliv. E. v. 81. pl. 25. f. 35. — Ste. M. iv. 200. — Oblong-ovate, pubescent; blue, sometimes with a greenish tinge; thorax somewhat conic, coarsely punctured; elytra deeply punctate-striate, interstices with a row of minute punctures; rostrum moderate, slightly carinated; antennæ dusky. (L. 1⅓-2¼ l.)


2071 interpunctatus Wilkin.? — Ste. M. iv. 201. — Oblong, pubescent; blue, or greenish; slightly pubescent; thorax granulated, thickly but finely punctured, and with a smooth dorsal line; elytra deeply punctate-striate, interstices with a row of minute impressions; legs and antennæ black. (L. 1⅓-1⅓ l.)


2072 minutus Herbst. C. vii. 135. pl. 104. f. 11. — Ste. M. iv. 201. — Oblong; blue-green, slightly pubescent, and shining; thorax rather obscure, thickly and finely punctured; elytra deeply punctate-striate, interstices impunctate; legs bluish; rostrum and antennæ dusky-black. (L. 1-1½ l.)


2073 equatus L. ii. 607. — Don. iv. pl. 121. f. 1, 2. — Ste. M. iv. 202. — Dull brassy, thickly punctured, and with a dusky pile; thorax with an obscure furrow; elytra red, deeply punctate-striate; tibiae pitchy-brown; tarsi dull black: thighs and tibiae sometimes red. (L. 1½-2½ l.) Hedges and whitethorn flowers: London district; Cambridge; Oxon; Edinburgh: 5-6.


2075 eneovirens Marsh. i. 239. — Ste. M. iv. 202. — Oblong-ovate, slightly pubescent: brassy-green or black; elytra deeply punctate-striate, inter-
stiecs narrow, convex, coppery-green, brassy or blue; legs black, thighs brassy; body black beneath. (L. 1 1/4-2 l.) Oaks; rather local: Epping Forest, near Wanstead; Hertford; Rachills: 6.

2076 cupreus L. ii. 608. — Panz. F. xx. f. 9.? — Ste. M. iv. 203. — Above dull brassy, with a slightly gpriseous pile, beneath brassy-black; elytra somewhat 4-drate, brassy, or coppery, deeply punctate-striate, interstices transversely wrinkled; tarsi black. (L. 2 1/2-3 l.) Rare; hedges: Darenth Wood; Epping; Baron Wood, Cumberland: 6.


2077 Betulæ L. ii. 611. — Don. iii. pl. 74. — Ste. M. iv. 203. — Glabrous; above shining siloky-green, or blue, with all intermediate tints; beneath golden- or blue-green, or blue; legs and rostrum golden-green; forehead with an impression; elytra deeply punctured: — extremely variable in tint. (L. 3 1/2-4 l.) On birch: metropolitan woods; Swansea; Baron Wood; Scotland: 6.

2078 Populi L. ii. 611. — Pz. F. xx. f. 7. — Ste. M. iv. 204. — Glabrous; above shining brassy-green, or coppery; beneath with the legs and rostrum violet-blue; elytra rather deeply punctured; tarsi and antennæ black; forehead with a deep furrow. (L. 2-3 l.) On aspens: Lee Wood, Surrey; Blenden, Kent; Epping; Coombe: 6-9.

2079 Bacchus L. ii. 611. — Don. i. pl. 24. f. 1. — Ste. M. iv. 204. — Very pubescent: oblong; shining golden-copper, with a bluish or greenish tinge; rostrum violet-black; thorax somewhat conic in ?, nearly globose and spiné in ?, disc coarsely punctured; elytra deeply punctured and transversely wrinkled; tibiae brownish; tarsi and antennæ black. (L. 4-5 l.) Rare; on Prunus spinosus: Crayford and Birch Wood, Kent: 6.

421 Attelabus Linn.

2080 curculionoides L. ii. 619. — Ste. M. iv. 205. — Cur. xv. pl. 710. — Glabrous; black; thorax, elytra and abdomen, above bright red; elytra finely punctate-striate, interstices remotely punctured; — basal joints of the antennæ sometimes reddish. (L. 1 1/3 l.) Oak and hazel: London district; Norfolk; Suffolk; Cumberland; Edinburgh district: 5-7.

422 Apoderus Olivier.

2081 Avellane L. ii. 619. — Clairv. E. II. i. pl. 15. f. 1, 2. — Ste. M. iv. 206. — Glabrous; black; thorax, elytra, thighs, and tibiae red; elytra crenate-striate: thorax sometimes with a black streak or spot in front; and the head red, or reddish behind. (L. 3-3 1/2 l.) On hazels: London and Edinburgh district; Cambridge; Cumberland; Swansea, &c.: 6-7.

(2082 † Coryli Fab. E. ii. 416. — Ste. M. iv. 206 note. — Black; elytra red, crenate-striate. (L. 3 1/2 l.) Even erroneously stated to be British.)

Fam. 50. BRUCHIDÆ Leach.

ecccxiii. Rhinomacer Ant. clavate, club loose and slender: rost. elongate, dilated at the tip; head transverse; elytra soft, somewhat linear, pubescent: tarsi long.

ecccxiv. Choragus Ant. clavate, long; club 3-jointed; head obscurely rostrated: body short, ovate cylindric: legs saltatorial. (ecccxxv. Caryoborus Ant. long, serrated: head with a slight ridge: eyes large, notched, placed obliquely: tho. 2-sinuated behind, with acute angles; hinder thighs elongate, and very much thickened, peptinate-dentate beneath; hinder tibiae much bent.)

ecccxxvi. Bauchus Ant. filiform, compressed, or slightly thickened to the
tips; sometimes serrated: head deflexed, slightly produced in front: eyes lunate: tho. lobed behind: elytra oblong-quadrate.


ceccxxviii. Phloeobius Ant. clavate, slender, elongated; club obtuse, long: eyes prominent, notched; rostrum short, with the tip notched: body ovate; legs long, slender, tarsi elongate, slender.

ceccxxix. Tropideres Ant. longish, clavate, 2 basal joints elongate; club abruptly thickened, slightly compressed: rostrum short, broad, flat, perpendicular: eyes prominent, entire: body oblong.

ceccxxx. Platyrhikus Ant. rather long, clavate; 2 basal joints short; club abruptly thickened, compressed: rostrum broad, truncate, perpendicular: eyes prominent, entire: body oblong.

ceccxxxi. Anthribus Ant. of ☂ longer than the body, of ☀ short, 2 basal joints short; club narrow, acute: rostrum short, broad, deflexed, deeply notched at the tip: eyes notched: body oblong; elytra nearly covering the abdomen: tarsi elongate.

423 Rhinomacer Fabricius.

2083 Attelaboides Fab. E. ii. 428. — Ste. M. iv. 207. pl. xxi. f. 3. — Ob-long; black, with a brassy tinge, densely clothed with an ashy or yellowish pile; antennae and legs pale testaceous; elytra irregularly punctured. (L. 3 l.) Hedges: Inverness and its vicinity: 6.

424 Choragus Kirby.

2084 Sheppardi Lin. Tr. (Kirby) xii. pl. xxii. f. 14. — Ste. M. iii. 343. — Pitchy-brown, or black, punctured; slightly pubescent: elytra striated; legs and antennae red. (L. 3 l.)


425 Caryoborus Schönherr.

(2085 cruciger. — Elliptic; black, with a delicate griseous pile above, and a dense whitish-ashy one beneath, and on the pygidium and base of hinder thighs: elytra flat, with a white X on the base of the suture; 4 anterior legs very pale testaceous; posterior black, their thighs with 1 broad and 4 acute teeth. (L. 2-2½ l.) In red West India seeds; evidently imported.)

426 Bruchus Geoffroy.

§ A. Hinder thighs toothed. 1. Thorax with a lateral tooth.

2086 Pisi L. ii. 604. — Wood. i. pl. 13. — Ste. M. iv. 213. — Black; thorax with a tooth on each side: elytra striated, varied with some griseous spots and obscure transverse streaks; anterior tibiae, apex of the middle pair, all the tarsi, and the 4 basal joints of the antennae, red; hinder thighs with an acute spine. (L. 2¼-2½ l.) Among peas: London and its environs: 5-7.

2088 granarius *L.* ii. 605. — *Ste.* M. iv. 213. — Br. *Pisi Samou,* pl. 2. f. 17. — Ovate; black; thorax dotted with white; elytra with a griseous-white patch towards the scutellum; and some scattered white spots on the disc; 4 basal joints of the antennae and the anterior legs testaceous-red; hinder thighs with a single tooth. (L. 1½-2½ l.) On furze and broom: Darenth Wood; Cambridge; Cumberland; Bristol; S. Wales: 6.

2. *Thorax* unarmèd; transverse.

2089 affinis *Ste.* M. iv. 214. — Ovate; black; thorax and elytra spotted with white, or whitish; base of the antennae and the anterior legs, except the base of the thighs and tarsi, which are black, testaceous-red; hinder thighs obtusely dentate. (L. 1-1½ l.) Broom: Darenth Wood: 6.

2090 Loti *Ph.* F. iii. 158. — *Ste.* M. iv. 214. — Ovate; black, with a griseous pile; elytra with a dense patch of griseous pile near the scutellum; base of the antennae and the anterior legs testaceous-red; hinder thighs slightly toothed. (L. 1-1½ l.) On *Lotus corniculatus:* Hampstead; Bristol; Hertford: 6.

2091 Lathyri *Kirby* — *Ste.* M. iv. 214. — Ovate; black, with a delicate griseous pile; elytra spotless; anterior legs and base of the antennae testaceous-red. (L. 1-1¼.) On *Lathyrus pratensis:* London district; Suffolk; Bristol: 6.


2092 scutellaris *Fab.* E. ii. 399. — Br. *rufus De Geer,* v. pl. 16. f. 7. ☞? — Short, ovate; pitchy red; thorax with 2 united white tubercles at the base; scutellum white; elytra somewhat remotely punctate-striate; obscurely spotted with dusky at the base, with 2 irregular whitish bars across the middle, and a more distinct white spot near the base of the suture; legs dull red; thighs sometimes black at base. (L. 1¼-1½ l.) On *Heracleum spondylium* (fl.): Penge Wood: 7.


2093 seminarius *L.* ii. 605. — *Oliv.* E. iv. 79. pl. 2. f. 12. — *Ste.* M. iv. 214. — Oblong ovate; black; somewhat variegated with a griseous pile; 4 basal joints of the antennae, and 4 anterior legs, testaceous red, their thighs, to beyond the middle, black. (L. 1½ l.) London district: Rare: 6.


2095 tibieillus *Schön.* S. (Cur.) i. 54. — Black; equally clothed with a fine ashy pile; thorax oblong, somewhat conic, narrow, finely punctured; elytra striated, strie obscurely punctated; anterior tibiae very obscure testaceous; antennae long, 3 basal joints short, remainder broad, compressed, subcylindrical. (L. 1-1½ l.) London district: Bristol: 6.

2096 canus *Germ.* I. N. i. 183. — Br. *unicolor Oliv.* E. iv. 79. pl. 2. f. 20. — Oblong-ovate; black; equally clothed with a delicate whitish-ash pile; thorax conic, finely granulated; elytra distinctly punctate-striate; antennae with the 4th and following joints broad and serrate. (L. 1½ l.) Peas: London district: 6.

2097 debilis *Schön.* S. (Cur.) i. 53. — Black, with a very delicate ashy pile;
thorax longish, somewhat conic; elytra rather convex, punctate-striate; antennæ slender. (L. 1 l.) London district: 6.

427 Brachytarsus Schönherr.


Ovate; black; elytra red, punctate-striate; alternate interstices slightly raised, and tessellated with silken black and white spots, suture and outer margins brownish: — legs sometimes varied with red and black. (L. 1$^{1\sqrt{2}}$-2$^{1\sqrt{2}}$ l.) Amongst elms: Copenhagen fields; Camberwell; Hertford; Ripley; Wood Ditton; Weston, Oxon; Swansea: 4-6.


Ovate; brown-black, opaque; thorax coarsely and thickly punctured, with several lines and 2 spots dull white; scutellum white; elytra punctate-striate, tessellated with alternate squarish spots of black dusky pile. (L. 1-2 l.) On firs: Ripley; common in the north and in Scotland: 5-6.

428 Philoöbius Schönherr.

(2100 griseus Fab. E. ii. 410. ? — Ste. M. iv. 211. pl. xxi. f. 2. — Griseous-brown, clothed with griseous pile; elytra striate, strie with minute punctures, interstices with pale griseous spots; legs anteriorly and base of antennæ dull red. (L. 2-3 l.) Rare: London; Suffolk; and Devon: probably imported: 6.)

429 Tropidères Schönherr.


Brown-black; rostrum longish, white; eyes approximating; thorax with a straightish ridge at the base, and 4 dorsal foveæ; elytra with a lobate whitish spot at the base, and a large snowy patch at the tip, varied with black, and some velvety black tufts near the suture; legs with whitish rings. (L. 3 l.) Palings, near Norwich: 6.


Brown-black; rostrum very short, snow-white; thorax black, a spot at base, and the scutellum white; elytra punctate-striate, alternate interstices tessellated with black and white; apex spotless white; legs variegated with whitish; tibiae and tarsi reddish; antennæ dull red. (L. 2-2$^{1\sqrt{2}}$ l.) Hedges; Coombe Wood, on hazel; New Forest; Darenth; Shirley Common; Norfolk: 6.

430 Platy Rhinus Clairville.


Oblong; flattish; black; rostrum rough, ashy-white, with the tip black; thorax angulated, with a ridge across the base, wrinkled; elytra with interrupted punctate strie, the tip clothed with ashy-pile, with 2 black dots and some brownish streaks; legs variegated with ashy. (L. 5-7 l.) In Sphaeria fraxinea: chiefly in the west of England and S. Wales; Norfolk; rare in London district: 4-6.

431 Anthribus Fabricius.

2104 albinus L. ii. 616. — Ste. M. iv. 208. — Cur. xvi. pl. 726. — Convex; brown-black; forehead, rostrum, a lobed spot on the disc of the elytra, and the apex, clothed with white pile; base of the 8th and 9th joints of the antennæ snowy; thorax with 3 tubercles; elytra with convex black silken tufts on the disc; legs varied with whitish. (L. 3$^{1\sqrt{2}}$-6 l.) Old trees and wood: Darenth Wood; Gravesend; Kensington Gardens; Eltham; Dorsetshire; Norfolk; Newcastle: 6.

Fam. 51 PRIONIDÆ. Eyes notched: labrum very small or obsolete: head not narrowed behind into a neck: mand. large, robust: tho. transverse, mostly toothed on the sides: body elongate, convex: ant. moderate, stout, serrated in ♂.

Fam. 52 CERAMBYCIDÆ. Eyes notched: labrum exerted, transverse: head exerted, nutant: tho. somewhat cylindric, the lateral margin sometimes spined: body long and flattish, occasionally rather convex: ant. very long, never serrated.

Fam. 53 LEFTURIDÆ. Eyes entire, rounded, or very slightly notched: labrum exerted, transverse: head nutant, with a distinct neck: tho. somewhat conical, narrowed in front, sometimes with a lateral spine: elytra narrowed behind: ant. moderate.

* Fam. 51. PRIONIDÆ Leach.


ccccxxiii. Prionus Tho. with the lateral margins acutely spined: ant. serrated, especially in ♂: legs longish; thighs and tibiae compressed, the latter smooth: elytra rough.

432 Spondylus Fabricius.

2105 † buprestoides Fab. E. ii. 376. — Pz. F. xliv. f. 19. — Ste. M. iv. 226. — Black; spotless; very thickly and irregularly punctured; elytra each with 2 raised lines, which do not reach to the tip. (L. 7 l.) Windsor Forest: 8.

433 Prionus Geoffroy.

2106 coriarius L. ii. 622. — Don. xiv. pl. 491. — Ste. M. iv. 226. — Pitchy-black; rather chestnut beneath; thorax on each side with 3 acute spines: elytra roughly punctured, and with 3 very obscure raised lines. (L. 9 - 16 l.: 9 11 - 20 l.) Old trees: Coombe Wood Lane; Hertford; Broxbourne; Sevenoaks; Cambridge; Norwich; Netley; Epp ing; Colchester; Glamorganshire, &c.: 6.

Fam. 52. CERAMBYCIDÆ Kirby.

ccccxiv. Cerambyx Elytra not shortened: eyes not divided: body convex: tho. transversely wrinkled; its sides with a spine: middle tibiae simple: ant. not spined, very long.

ccccxv. Aromia Elytra not shortened: eyes undivided: body flat: tho. tuberculated, and with a spine on each side; tibiae compressed, simple: ant. glabrous, rather elongate.

(ccccxvi. Purpuricenus Elytra not shortened: apex slightly truncate, the angles a little prominent: eyes undivided: body flattish: tho. cylindric, with 1 lateral tubercle: middle tibiae simple: ant. glabrous, elongate.)


(ccccxviii. Eburia Elytra not shortened, truncate at the tip, the angles prolonged into a spine; disc with raised spots, resembling ivory: eyes undivided: body convex: tho. cylindric; generally armed with 2 approximating dorsal spines or tubercles; sides 1-toothed: tibiae simple: ant. velvety.)

(ccccxix. Elaphidion Elytra not shortened, linear, spinose at the tip:}
eyes undivided: body slightly convex: tho. with disc tuberculated, sides unarmèd: *middle tibicæ* simple: ant. moderate, joints spine at the tip.

A. Astynomus Elytra not shortened: eyes undivided: body broad and flat: tho. transversely tubercled, the sides 1-spined: *middle tibicæ* 1-toothed: ant. very long, in ♂ especially.

cxii. Pogonocherus Elytra not shortened, variegated, spine at tip: eyes undivided: body short, slightly convex: tho. with disc tubercled, the sides spinose: *middle tibicæ* 1-toothed: ant. longer than the body, pilose beneath.

cxii. Leipus Elytra not shortened, variegated, entire at tip: eyes undivided: body short, rather convex: tho. with a short lateral spine: *thighs* clavate; *middle tibicæ* 1-toothed: ant. longer than the body, glabrous.

cx. Lamia Elytra not shortened: eyes undivided: body convex, robust: tho. somewhat 4-drate, cylindric, the sides spine: *legs* robust, shortish, similar in the sexes: *middle tibicæ* 1-toothed: ant. shorter than the body, glabrous.

cxii. Mesosa Elytra not shortened: eyes undivided: body broad, flattish: tho. transverse, unarmèd: *middle tibicæ* simple: ant. slender, pilose within: *palpi* with terminal joint elongate, acute at tip.

(cx. Tetraopes Elytra not shortened: eyes divided, forming 4: body broad, convex: tho. tubercled: *middle tibicæ* faintly notched near the tip: ant. rather short, robust, pilose, 2d joint nodose: *palpi* with terminal joint truncate.)


cxii. Tetrops Elytra not shortened: eyes divided, as if 4: body narrow, somewhat cylindric: tho. cylindric, unarmèd: *thighs* and *tibicæ* simple: ant. 11-jointed, 2d joint elongate: *palpi* with terminal joint conic.

(c. Cyllindera Elytra not shortened, parallel: eyes undivided, prominent: body broad, flattish: tho. elongate, somewhat cylindric: *thighs* stout: *tibicæ* simple: ant. shortish: head as wide as thorax.)


cell. Hylotrupes Elytra not shortened: eyes undivided: body broad, flattish: tho. short, villose, with 2 distinct tubercles, the sides rounded, entire: *thighs* slightly clavate: *tibicæ* simple: ant. longish, slender: ♀ with an exserted ovipositor.


(cel. Curtomerus Elytra not shortened: eyes undivided: body broad, flattish: tho. slightly convex, a little elongate, unarmèd: *thighs* long, A A 3
suddenly and greatly clavate: ant. elongate, densely fringed within from base to apex.)

(eccevl. *Penichroa* Elytra not shortened: eyes undivided; body rather elongate, flat: tho. with the sides obtusely angulated, the apex narrower than the head, disc flat: thighs long, stout, barely clavate: ant. long, slender, pilose.)


(eccevilly. *Tritomacrus* Elytra not shortened, narrowed behind: eyes undivided: body slender: tho. long, flat, wider than the head, unarmed: thighs slightly thickened: ant. longer than the body, 3d joint very long.)


(eccevllx. *Stenopterus* Elytra nearly as long as the abdomen, suddenly attenuated, and not covering the wings: eyes small, not divided: tho. somewhat globose: head a little produced in front: thighs slightly clavate: tibia rather bent: ant. filiform, joints cylindric.)

eccelxi. *Necydalis* Elytra very short, rounded, and gaping at the tip: wings expanded: eyes not divided: tho. tubercled; sides unarmed: body elongate: legs long; thighs very much clavate; 4 posterior tarsi elongate: ant. filiform, slightly pubescent.

434 *Cerambyx Linn.*

(2107 † *Heros*, *Fab. E.* ii. 270. — *Pz. F.* lxxxii. f. 1. — *Ste. M.* iv. 228. — Oblong, narrowed behind; black; elytra with the apex pitchy, and with a minute spine at the inner angle. (L. 1 in. 6-8 l.) Said to occur in Devonshire and at Colney Hatch: Portsmouth Dock-yard, among foreign timber: 6.)

2108 † *Cerdo* *Fab. E.* ii. 270. — *Pz. F.* lxxxii. f. 2. — *Ste. M.* iv. 229. — Oblong; black; elytra very rough, especially at the base, the apex scarcely narrowed, and unarmed. (L. 1 in. 4-6 l.) On willows: Deptford and Isle of Ely: 6.

435 *Aromia Serville.*

2109 Moschata *L.* ii. 627. — *Ste. M.* iv. 229. — *Cur. xvi.* pl. 738. — Shining green, coppery, or bluish; glabrous: head slightly punctured; thorax irregularly tuberculated; elytra thickly roughened, especially at the base; with 3 faint varied hairs; legs and antennae bluish. (L. 1 in. 1-7 l.) On willows: Battersea fields; Lewisham; Hackney; Hertford; Devonshire; Ely; Yorkshire; Keswick; S. Wales, &c.: 7.

(436 *Purpuricenus Zeigler.*)

(2110 † *Kähleri* *L.* ii. 631.? — *Oliv. E.* iv. 67. pl. 9. f. 13.? — Black; elytra blood-red, with a black spot on the back. (L. 1 in. 3-5 l.) Said to occur near London: 6.)

437 *Monochamus Megerle.*

2111 Sutor *L.* ii. 628. — *Don. xiii.* pl. 435. f. 1. — *Ste. M.* iv. 230. — Black; with pale scattered pubescent spots above; scutellum densely
271

EBURIA.—POGONOCHERUS. 271
clothed with yellowish pile, having a naked central line; elytra coarsely
punctured throughout, and with 2 or 3 slightly raised lines. (L. 10-15 l.)
Rare: on trunks of trees: Colney Hatch; Norfolk: 6.
Black, with remote pale pubescent spots; scutellum wholly clothed with
yellowish pile; elytra of a brassy tint, coarsely punctate at the base,
faintly punctulate at the apex. (L. 1 in. 4-5 l.) Old trees, near Lon-
don; Weybridge, Surrey; Devonshire; Norfolk: 5-6.
2113 dentator Fab. E. ii. 294. — Ent. Tr. (Haw.) i. pl. 1. fig. sup. —
Ste. M. iv. 231. note. — Varied with fuscous and ash-colour: antenna
very long, dull, and with the base black. (L. 1 in. 4 l.) Old wood; in
and near London: doubtless imported, being a N. American insect: 6.)
438 Eburia Servile.
2114 4-maculata Fab. E. ii. 308. — Oliv. E. iv. 67. pl. 21. f. 164. —
Ste. M. iv. 233. note. — Glabrous; pale testaceous-yellow; thorax with
2 black tubercles: elytra with 2 faint raised lines, arising from a glossy
yellow double spot at the base, and passing through a 2d on the disc.
(L. 11 l.) Found in Essex: imported from America?
439 Elaphidion Servile.
2115 spinicorne Fab. E. ii. 306. — Oliv. E. iv. 67. pl. 17. f. 130. —
Ste. M. iv. 232. note. — Ashy, densely pilose, with elevated glabrous rusty-
brown points; thorax with a central ridge and 3 tubercles on each side;
glabrous and shining; elytra with glossy raised spots, the tip 2-dentate;
legs and antennae dull red. (L. 10-11 l.) In timber; from S. America? 
Bromessey: 6.)
2116 litteratum Don. xvi. pl. 546. — Ste. M. iv. 233. note. — Ashy; base
of wing-cases with raised black dots; outer margin brown, with 2 con-
fluent spots; the hinder one branching into a letterform band. (L. 11? l.)
Taken near Manehester: imported from America?)
440 Astynomus De Jean.
2117 Ædilis L. ii. 608. — Don. ii. pl. 72. — Ste. M. iv. 232. — Brownish-
ash, with a dense griscous pubescence: thorax with 4 pilose, yellowish
tubercles; elytra with 2 oblique brown bands: antennae in 3 5 times, and
in 2 twice, as long as the body. (L. 8-10 l., excl. ant.) Rare: in timber,
&c.: generally distributed; most frequent in Scotland: 6-7.
441 Pogonocherus Megerle.
2118 pilosus Fab. E. ii. 278. — Ste. M. iv. 233. — Ce. hispidus Wood. i.
pl. 16. — Dusky-brown, pubescent; thorax with acute lateral spines:
elytra with a dirty-whitish streak at the base, some black marks near the
suture, and a single spine at the apex. (L. 2½-4 l.) Hedges: Coombe
and Darenth wood; Yorkshire; Keswick: 6.
2119 hispidus L. ii. 627. — Don. ii. pl. 64. f. 2, 3. — Ste. M. iv. 234.
Fuscous-brown; pubescent, variegated; thorax with short obtuse lateral
spines: elytra with a broad ashy-white band at the base, and some black fas-
cicles of hair near the apex, which is 2-dentate; legs varied with ashy;
antennae with base of joints whitish-ash; apex black. (L. 2-3½ l.)
Whitethorn hedges: generally distributed: 5-7.
F. xiv. f. 15. — Fuscous-brown; pubescent; variegated; thorax with
small lateral spines: elytra with the tip obtuse, not toothed; the base with
a curved whitish band, the disc with 4 or 5 raised black patches of hair:
legs and antennae varied with black and dull red; the latter hairy. (L. 3½ l.)

On paling; near Norwich: 6.

442 LEOPOUS Serville.

2121 nebulosus L. ii. 627. — Don. xi. pl. 394. — Ste. M. iv. 235. — Dull-black, with an ashy pile: elytra griseous, the base and apex sprinkled with black dots, leaving a pale band before the middle; antennae with the base of each joint rusty-ash, the apex black. (L. 2⅔-4½ l.) Old hedges; generally distributed: 5-6.

443 Lamia of Authors.


444 Mesosa Megerle.

2123 nubila Oliv. E. iv. 67. pl. 3. f. 15. — Ste. M. iv. 236. — Varied with black and dull red; thorax dull red, with black streaks; elytra punctate, varied with brown shades, and a large ashy patch on the middle of the outer edge; legs and antennae dull red, ringed with black. Old oaks: Coombe Wood; Windsor; New Forest; Bewdley Forest: 6.

(445 Tetraopes Dalman.)

(2124 tornator Fab. E. ii. 301. — Oliv. E. iv. 68. pl. 8. f. 52. — Ste. M. iv. 237. note. — Dusky-ash: head and thorax red, the latter with 4 black spots: elytra red, with a small spot at the shoulders, and 2 larger ones on the back, ashy-black; scutellum and legs black; base of anterior and posterior thighs red; antennae fuscous. (L 6½ l.) Occasionally found in England; but a native of N. America.)

446 Agaphantia Serville.

2125 Cardui Fab. E. ii. 325. — Ste. M. iv. 238. — Ce. lineatocollis Don. vi. pl. 209. — Brown-black; clothed with a yellowish down; thorax with 3 yellow longitudinal lines; head with 1, continuous with the central one on the thorax; elytra irregularly sprinkled with yellowish downy spots; scutellum yellow; antennae with alternate griseous and black rings. (L. 5-8 l.) On thistles: Whittlesea Fens; Monks' Wood, Hunts; Norfolk; Weston, Oxon: 6-7.

447 Saperda Fabricius.

§ A. Elytra entire. 1. Elytra narrowed towards the apex.

2126 carcharias L. ii. 631. — Pz. F. lxix. f. 1. — Ste. M. iv. 238. — Dusky-black; densely clothed above with a griseous, and beneath with a yellowish, pubescence; and dotted throughout with black; elytra slightly narrowed towards the tip; antennae griseous, annulated with black. (L. 10-15 l.) On poplars: vicinity of Cambridge; Forest of Dean: 6-8.

2. Elytra not attenuated; with discolorous markings.

2127† Tremulae Fab. E. ii. 327? — Ste. M. iv. 239. — Sa. Atkinsoni Cur. vi. pl. 275. — Black, clothed throughout with a short ochreous pubescence, tinted with green; elytra with 2 black dots at the middle near the suture, and 2 others more apart, towards the apex. (L. 5 l.) Locality not stated.

2128 scalaris L. ii. 632. — Don. xi. pl. 393. — Ste. M. iv. 239. — Black, pilose; slightly shining; yellowish beneath: sides of thorax with a yel-
lowish pile, in which is a brown dot; elytra with a toothed yellowish line on the suture, and 5 or 6 spots of the same within the outer margin. (L. 8-11 l.) On poplars: near Cockermouth and Manchester, not uncommon; Raehills; London, rare: 6-7.

2129 populea L. ii. 632. — Mart. C. pl. 24. f. 8. 9. — Ste. M. iv. 239. — Black, villose; deeply and roughly punctured: thorax with 3 yellowish lines; elytra irregularly clothed with yellowish pile, and with 4 or 5 large patches of the same on the disc; antennae with ashy rings. (L. 5-7 l.) Willows, aspen, and hazel: Darenth Wood; Highgate; Epping; Monks' Wood; Whittlesea Merc: 6.

3. Elytra not attenuated; without discolorous markings: — Stenostola De Jean.

2130 ferrea Schr. F. A. 145. — Ste. M. iv. 239. pl. xxii. f. 1. — Black; with a pale griseous down: thorax with a whitish streak on the sides; elytra coarsely punctured, steel-blue, or greenish; scutellum griseous; antennae with faint griseous rings. (L. 4-7 l.) On Tilia parvifolia: Nottinghamshire; Lancashire; Warwick: 6.

§ B. Elytra truncate in a straight line at tip: — Phytoteca De Jean.

2131 cylindrica L. ii. 633. — Pz. F. lxix. f. 4. — Ste. M. iv. 240. — Black, very finely punctured: thorax with a central line, and the scutellum with a whitish pile; elytra, each with 2 short ridges; anterior legs luteous, with the base of the thighs black. (L. 4-5 l.) On hazel: Copenhagen fields; Dulwich; Ripley; Hertford; Cambridge; Whittlesea Merc, &c.: 6.

§ C. Elytra truncate in a curve at the tip: — Oberea Megerle.


2134 pupillata Schneider. — Schön. S. iii. App. 185. — Linear: testaceous-yellow: head, 3 dots on the base of the thorax, and 2 others on the sides, middle of the abdomen beneath, and elytra, black; the latter with an irregular elongate yellow patch near the scutellum, which is transverse and pale testaceous. (L. 5 l.) West of England: 6.

448 Tetrops Kirby.

2135 prevusta L. ii. 641. — Mart. C. pl. 28. f. 12. — Ste. M. iv. 242. — Black; villose: eyes brownish: elytra pale testaceous, punctured, apex more or less tinted with black, rarely spotless; legs testaceous; the 4 hinder thighs generally black. (L. 1½-2½ l.) Whitethorne hedges and flowers: London district; Cambridgeshire; Newcastle; Monk's Wood; Weston, Oxon: 6.

(449 Cylindera Newman.)

(2136 pallida Ent. M. (Newm.) i. 510. — Ste. M. v. 422. — Pale brown; eyes dark: thorax and elytra slightly rugose; the former with an indented ring near the anterior, and another near the posterior, margin. (L. 4 l.) In timber: Battle Bridge and Camberwell: 6. Imported?)
LONGICORNES. — CERAMBYCIDÆ.

(450 AROPALUS SERVILLE.)

(2137† rusticus L. ii. 634. — Pz. F. lxx. f. 8. — Ste. M. iv. 246. note. — Elongate; dull testaceous-brown; elytra paler, with 2 longitudinal ridges, and a 3d short one on the shoulders; thorax with 3 foveæ placed 3-angularly. (L. 8-10 l.) Not truly indigenous.)

(2138‡ fulminans Fab. B. ii. 346. — Sower. B. M. i. pl. 58. — Ste. M. iv. 245. note.—'Black: thorax ashy, with 3 black spots, the discal one largest; margin of scutellum ashy; elytra with angulated waved white bands; antennæ ashy. (L. 6-7 l.) In a garden at Kensington; introduced with North American timber?)

451 ASEUM ESCHSCHOLTZ.

2139 striatum L. ii. 635. — Cur. vii. pl. 295. — Ste. M. iv. 246. — Elongate; convex; dull black, opaque; very finely punctured: elytra with about 6 raised lines alternating in height; interseces rough; tarsi pithy; antennæ dusky-black. (L. 7-9 l.) Old trees: Edinburgh; Kinnordy; Glasgow, &c.: 7-8.

452 HYLOTRUPIES SERVILLE.

2140 Bajulus L. ii. 636. — Mart. C. pl. 24. f. 1-5. — Ste. M. iv. 246. — Pitchy-brown, pubescent: thorax villose, black, with 2 glabrous dorsal tubercles; elytra finely shagreened, with a waved whitish patch of hairs near the middle; antennæ dull rusty-pitchy; elytra sometimes wholly pale, or testaceous. (L. 4-10 l.) Old posts, rails, &c., near London; Hertford; Epping; Frostenden Hall, Suffolk.

453 CALLIDIIDM FABRICIUS.

§ A. ELYTRA PUNCTATE; WITHOUT DISTINCT RAISED LINES.

(2141† dilataturn Ph. F. iii. 91. — Ste. M. iv. 246. note. — Cal. variabile Pz. F. lxx. f. 6. — Broad; flat; above greenish, brass, or coppery: thorax finely coriaceous; elytra coarsely reticulated, rugose; broadest behind, and brassy; legs and antennæ brown. (L. 5 l.) Improperly indicated as British.)

2142 sanguineum L. ii. 636. — Don. xvi. pl. 553. f. 1. — Ste. M. iv. 247. — Broad, flat; black: thorax, elytra, and tip of the abdomen bright blood-red; tibiae and tarsi pithy; antennæ pithy-black. (L. 3-6 l.) Old timber: Exeter; North Wales; London.

2143 violaceum L. ii. 635. — Don. ii. pl. 64. f. 1. — Ste. M. iv. 247. — Broad, flat; violet or purple; sometimes greenish or brassy: thorax rather narrowed behind; elytra coarsely punctured: abdomen pithy-black; legs bluish. (L. 4-9 l.) Old fir posts, &c.: Rochampton; Wanstead; Epping; Lowestoft; Norfolk; Manchester: 6-7.

2144 variabile L. F. No. 669. — Ste. M. iv. 248. — Ca. fennicum Pz. F. lxx. f. 2. — Linear-elongate; rusty-red, or testaceous; slightly pubescent: thorax faintly tuberculated, sometimes with a black spot; elytra finely punctured, violet, lateral margin sometimes dull red, or the surface wholly testaceous; antennæ as long as the body: crown, breast, base of abdomen, and club of thighs sometimes black. (L. 4-8 l.) Old trees: South Lambeth; Hertford; Ripley; Windsor; Epping; Weston, Oxon; New Forest: 6-7.

2145 russicum Fab. E. ii. 336. — Ste. M. iv. 248. pl. xxii. f. 2. — Linear-elongate; black; slightly pubescent: thorax rounded, tubered; elytra rather thickly punctured, base pale testaceous-yellow, apex black, with a violet tinge, and, on the yellow base, a round patch of the same; tarsi pale testaceous; labrum luteous. (L. 4½ l.) Near Bideford, Devon: 6.
(2146) undatum L. ii. 536. — Pz. F. lx. f. 15. — Ste. M. iv. 249. note. — Rather long, narrow; black with pale hairs; thorax slightly tuberculated; elytra with 2 waved bands and the outer margin whitish-yellow; antennae short. (L. 3½ l.) Indicated erroneously as British.

2147 Alni L. ii. 338. — Mart. C. pl. 28. f. 14. — Ste. M. iv. 249. — Short; black; finely punctured, shining; mouth pitchy; elytra red at the base, each with a white crescent a little behind the red base, and a 2nd broader and straighter towards the apex; thighs pitchy, club black; tarsi, tarsi, and antennae dull red:—base of elytra sometimes black. (L. 2-4 l.) Dry hurdles, &c., in woods: Coombe and Darent woods: Hertford; Epping; Monk's Wood; Gisbide; Rose Castle, Cumberland; Forest Hill, Oxon: 5-7.

§ B. Elytra with distinct raised lines: — Isarthron De Jean.

(2148) luridum Fab. E. ii. 342. — Pz. F. lxx. f. 10. — Ste. M. iv. 248. note. — Short, flatish, finely punctured: thorax glossy black, with a faint dorsal channel, and an obscure reddish lateral line; elytra opaque, with a raised line, frequently livid testaceous, or fuscous, sometimes black; legs pitchy, or occasionally rusty-red. (L. 5 l.) Erroneously indicated as British.

(454) Curtomerus Stephens.)


(455) Penichroa Stephens.)

(2150) fasciata Wilkin. — Ste. M. iv. 250. — Fuscous-brown; finely punctate throughout; legs and antennae paler: elytra with an indistinct palish band, a little behind the middle; head with a short frontal channel. (L. 7-9 l.) Norwich, in plenty once: doubtless imported.

456 Gracilia Serville.

2151 minuta Fab. M. i. 150. — Don. xvi. pl. 553. f. 2. — Ste. M. iv. 250. — Red-brown; legs paler: eyes black: elytra with an angular ridge in the middle; abdomen shining black beneath: antennae testaceous; short in the ? in which sex the thorax is also short. (L. 2½-3 l.) Elms; hazel twigs, &c.: London; Ripley; Dulwich; Brompton; Epping; Cambridge; Bristol: 5-6.

457 Oebrium Megerle.

2152 cantharinum L. ii. 637. — Cur. ii. pl. 91. ?. — Ste. M. iv. 251. — Rusty-red, shining, pilose; elytra irregularly punctured; eyes black; legs brown, or black; antennae brown, or black. (L. 3-6 l.) On trees: Epping; Laystonstone; Broxbourne; Brighton, &c.: 6.

(458) Tritomacrus Newman.

(2153) testaceous Ent. M. (Newm.) i. 510. — Ste. M. v. 423. — Testaceous; eyes a little darker: antennae much longer than the body, pubescent, and tapering gradually to a point. (L. 5 l. ant. 8 l.) Near Cork, in Ireland: 6.)

459 Clytus Fabricius.

2154 mysticus L. ii. 639. — Don. iii. pl. 82. f. 2. — Ste. M. iv. 242. — Linear elongate; black: elytra red at the base, then black; the apex and 2 or 3 more or less curved approximating stripes of ashy-white pile; tarsi pitchy:—base of the elytra rarely black. (L. 3-6 l.) Old posts, &c.: London district; Bottisham; Yorkshire: 5-7.

Curtomerus. — Clytus. 275
2155 Arietis L. ii. 640. — Don. i. pl. 27. — Ste. M. iv. 243. — Obscure black; anterior and posterior edges of thorax yellow; elytra with 3 bands, the 2d bent anteriorly, and the apex, as also the seutellum, yellow; legs and antenna dull red; — thighs sometimes pitchy or black; and the bands on the elytra slightly variable. (L. 2½-6½ l.) Old posts, rails, &c.; generally distributed in England and South of Scotland: 4-7.

2156 arcuatus L. ii. 640. — Don. iii. pl. 84. f. 1. — Ste. M. iv. 243. — Obscure black; with a band on the head, an interrupted (and sometimes nearly obsolete) one on the thorax; 4 dots and a shoulder stripe on the elytra, and also 3 recurved bands and an oblique line at the apex, bright yellow; legs and antenna rusty-red, thighs generally stained with black in the middle. (L. 6-10 l.) Local; on old posts, &c.: Hertford; Epping; Hainault Forest; Chisselhurst; Suffolk; Newcastle; Baronwood, Cumberland: 6.

(2157 † detritus L. ii. 640. — Pz. F. xcv. f. 5. — Ste. M. iv. 244. — Black; an obscure band on the head, 2 distinct ones on the thorax, 5 nearly straight ones, the 2 first of which are remote and interrupted, yellow; legs and antenna rusty red. (L. 7 l.) Indicated as British erroneously.)


(2159 villicus Oliv. E. iv. 70. pl. 8. f. 94. — Cl. upsilon Marsham. — Ste. M. iv. 244. — Brownish-black; thorax rough; tip of seutellum yellowish; elytra with a broad recurved band at the base, a straight broader, indented one behind the middle, and the apex reddish-white; margins of the abdominal segments, and a round spot at its base, yellowish-white; legs and antenna pitchy. (L. 6 l.) Found near Norwood, but probably imported in N. American timber: 6.)

(2160 † plebeius Fab. E. ii. 349. — Pz. F. lxxxii. f. 7. — Ste. M. iv. 243. note. — Black; obscure: elytra with a humeral spot, a bent band reaching to the seutellum, another behind, and the apex, as also 2 dots on the sides of the breast, and the edges of the abdominal segments, dotted with whitish pile. (L. 5 l.) Apparently introduced as British improperly.)

(2161 † erythrocephalus Fab. E. ii. 350. — Oliv. E. iv. 70. pl. 5. f. 60. — Ste. M. iv. 245. note. — Head, thorax, and antenna dull red; elytra black, with 4 straight yellow lines; tip 2-toothed; legs dull red; thorax with several acute dorsal tubercles. (L. 6 l.?) Old timber: Epping Forest, 6.; doubtless introduced from N. America.)

(460 Stenopterus Illiger.)

(2162 † rufus L. ii. 642. — Oliv. E. iv. 74. pl. 1. f. 6. — Ste. M. iv. 252. note. — Black; slightly pubescent: elytra and antenna red; sides of the breast and of the abdomen with silky, yellowish-white spots. (L. 3½-5½ l.) Indicated as indigenous erroneously.)

461 Necydalis Linné.

(2163 † major L. ii. 641. — Ste. M. iv. 252. note. — Mo. abbreviatus Pz. F. xli. f. 20. — Black; pubescent; elytra dull-red, spotless; mouth, base of the antenna, and legs rusty-red; tips of the hinder thighs black. (L. 8½ l.) Erroneously indicated as British.)

2164 minor L. ii. 641. — Cur. i. pl. 11. — Ste. M. iv. 252. — Black; pubescent; elytra testaceous, with an oblique white streak; margin of the abdominal segments with a whitish line on each side; legs testaceoustress; thighs abruptly with a whitish line on each side; legs testaceous-brown; thighs abruptly with a whitish line on each side; antennæ dull pitchy-red. (L. 5-5½ l.) Hedges: Windsor; Hertford: 6.
2165 Umbellatarum L. ii. 641. — Mart. C. pl. 23. f. 2. — Ste. M. iv. 252. — Black; pubescent; elytra testaceous-brown, spotless; legs the same, with the thighs gradually elevate; antennæ dusky-brown. (L. 3-4½ l.) On flowers in hedges: Darent Wood; Coombe: 6.

Fam. 53. LEPTURIDÆ Leach.

cesclxii. Rhagium Tho. with an acute spine on each side: body broad, flat: legs and ant. short: palpi with terminal joint somewhat hatchet-shaped.
ncesclxiii. Toxotus Tho. with a tubercle on each side: body elongate, narrow; elytra attenuated towards the tip; humeral angles prominent: legs and ant. long: palpi with terminal joint enlarged, hatchet-shaped.
ncesclxvii. Pachyta Tho. somewhat conical, with a slight obtuse tubercle on each side; disc slightly convex: body very robust, rather pubescent: elytra short, nearly parallel, or scarcely attenuated; humeral angles not prominent.

462 Rhagium Fabricius.

2166 Indigator Fab. E. ii. 313. — Pz. F. lxxxii. f. 5. — Ste. M. iv. 254. — Black, obsolescent punctured, and clothed with an ashy pubescence: anterior edge of thorax dull red; elytra dull testaceous, with 3 raised lines, the disc reticulated with black, and with 2 or 3 distinct oblique black bands; thighs and tibiae dull ashy-testaceous; antennæ thickened in the middle. (L. 8-10 l.) Decayed trees: Shropshire and Scotland: 6-7.

2167 Inquisitor L. ii. 630. — Pz. F. lxxxii. f. 4. — Ste. M. iv. 254. — Black; thickly and rather coarsely punctured, clothed with yellowish pile: elytra with 2 raised lines, the disc with 2 approximating, irregular, transverse testaceous bands, with a glabrous black spot between them on the outer margin; antennæ setaceous. (L. 7-11 l.) Decayed trees: London district; generally distributed throughout the country: 4-7.

2168 bifasciatum Fab. E. ii. 314. — Don. iii. pl. 94. f. 1. — Id. x. pl. 253. f. 1. var. — Id. xi. pl. 395. f. 1. var. — Ste. M. iv. 254. — Black; shining: elytra fuscous, reddish exteriorly; disc with 2 raised lines and 2 short oblique testaceous-yellow bands; base of thighs and the antennæ (which are setaceous) red: — the elytra vary considerably, sometimes being testaceous-yellow, with a few black dashes, or almost wholly black, with a brassy tinge; the bands sometimes united into a large dorsal blotch, more or less shaded off into the ground-colour, or bordered with black, &c. (L. 8-10 l.) On decayed stumps of fir trees; generally distributed; abundant in the North: 4-8.

463 Toxotus Megerle.

(2169) Cursor L. ii. 630. — Olive. E. iv. 69. pl. 1. f. 9. f. 10. (Noetis) §. — Ste. M. iv. 255. note. — Pubescent: thorax with acute lateral spines: elytra with 2 or 3 raised lines, the disc rough, the tip acuminated. § black; mouth, and base of antennæ, dull red: ♀ black; mouth, antennæ, abdomen, and legs varied with dull red; elytra red, suture and a stripe black. (L. 8-9 l.) Indicated as British erroneously.)

LONGICORNES. — LEPTURIDE.

Finely punctured; clothed above with an ashy, and beneath with a silvery or golden, pubescence; colour various, generally black, with the mouth, base of the antennae, elytra, greater portion of the legs, abdomen of ♂, and its apex in ♀, testaceous-red: — at times the suture and apex of the elytra are black; or the entire insect is black, except occasionally the mouth, base of antennae, base of elytra, thighs, and tip of abdomen, being red: all intermediate changes occur. (L. 5-13 l.) On flowers and trunks, especially of ash-trees: generally distributed throughout the country: 5-7.

464 Strangalia Sereille.

2171 elongata De Geer, v. 134. — Don. iii. pl. 84. f. 4. — Ste. M. iv. 257.— Black, with a fine griseous down: elytra yellow, with 4 black bands, the 1st composed usually of 3 or 4 round spots, the 2d interrupted towards the suture; 4 anterior legs yellow; apex of tibiae and tarsi black; hinder pair black, tip of the thighs and of the tibiae yellow; 2 basal joints of antennae black, the rest yellow with black tips. ♀ with hinder tibiae black and 2-dentate; ♀ with abdomen yellow at the base: the fasciae on the elytra vary considerably. (L. 5-7½ l.) On umbelliferous flowers: generally distributed: 5-8.

2172 attenuata L. ii. 639. — Olie. E. iv. 73. pl. 1. f. 8. — Ste. M. iv. 258.— Slender; black; slightly pubescent; elytra luteous, very much attenuated, with 4 broad black bands; abdomen reddish in the middle; legs testaceous, the tip of the hinder thighs and of their tibiae black; apical joints of antennae reddish. (L. 6½ l.) On flowers: Salisbury and Southend: 6.

465 Leptura of Authors.


2173 aurulenta Fab. E. ii. 364. — Pz. F. x.e. f. 15. — Ste. M. iv. 259.— Deep black; thorax with a narrow band of golden yellow down in front and behind; elytra testaceous-yellow, with golden down, and 4 transverse bands, the 1st null reddish, black at the suture, the others deep black: legs testaceous; thighs black at the base; antennae testaceous-red; black in ♂. (L. 5-11 l.) Old stumps: New Forest; Briton-ferry, Swansea; N. coast of Devon: 6-7.

2174 4-fasciata L. ii. 639. — Mart. C. pl. 27. f. 9. — Ste. M. iv. 259.— Black, with a griseous pubescence; elytra bright testaceous-yellow, with 4 dentate black bands, the 1st and sometimes the 2d occasionally interrupted. (L. 7-10 l.)


§ B. Elytra without transverse bands.

2175 revestita L. ii. 638. — Mart. C. pl. 27. f. 1. — Ste. M. iv. 258.— Rusty-red, slightly pubescent; antennae, eyes, breast, scutellum and elytra black; tips of tibiae and the tarsi dusky. ♀ with the elytra and base of the antennae rusty-red. (L. 5-6 l.) Flowers, &c.: Coombe Wood; Windsor; Colney Hatch; Gamlingay, Cambridgeshire: 6.

(2176) rubrostestacea Ill. M. iv. 122. — Ste. M. iv. 258. note. — ♂ Pz. F. lxix. f. 12 ♀ Id. f. 11. — Black, with a griseous pile; tibiae and tarsi testaceous. ♂ with the elytra pale testaceous, spotless; ♀ with the thorax above, and the elytra, red and spotless. (L. 6 l.) Improperly indicated as British.

2177 virens L. ii. 638. — Ste. M. iv. 260. pl. xxii. f. 3. — Black; densely clothed throughout with a silken yellowish-green pubescence; densest
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LEPTURA. — GRAMMOPTERA.

beneath: thorax with hinder angles obtuse; antennae with the 2 basal joints black, the remainder luteous at the base, black at the tips. (L. 9 l.)


2179 tomentosa Fab. E. ii. 355. — Oliv. E. iv. 73. pl. 2. f. 13. — Ste. M. iv. 261. — Short, black; thickly, but finely, punctured; clothed with an ashy pile: elytra testaceous, with a black patch at the apex. (L. 5-6 l.) Old trees: New Forest, near Lyndhurst; Haslar; Ryde; Kingsbridge, Devon; Penllergare: 6-7.

2180 sanguinolenta L. ii. 638. — Don. xvi. pl. 557. — Ste. M. iv. 261. — Elongate; black, rather convex; thickly and distinctly punctured; clothed with a griseous pubescence; elytra livid, and with the tip black in the 7; broader, red, and spotless, in the 8; legs longish. (L. 5-6 l.) Old trees, &c.: in London; Bickham, Devon; Norfolk; Suffolk: 6-7.

2181 melanura L. ii. 637. — Pz. F. lxix. f. 19. 7. — Ste. M. iv. 261. — Narrow; black; clothed with a griseous pile; finely and thickly punctured: thorax oblong, hinder angles acute; elytra of the 7 livid, the suture slightly, and the apex black, of 7 red, with the suture broadly, and apex black; legs rather long and slender. (L. 3-5 l.) Hedges and flowers: generally distributed: 5-9.

2182 nigra L. ii. 639.— Mart. C. pl. 27. f. 8. — Ste. M. iv. 262. — Narrow; black; rather glossy, and a little pubescent: thorax conic, obscurely punctured; hinder angles acute; elytra finely punctured; abdomen bright red, the base sometimes, and the apex rarely, black; legs and antennae long. (L. 4-5 l.) On flowers: Coombe Wood; Darenth; Chevening; Ripley; Norfolk; Suffolk; Devonshire; S. Wales, &c.: 6-7.


466 Grammoptera Serville.

2184 abdominalis Ste. M. iv. 262. — Linear-elongate; black, finely punctured, and with an ashy pubescence: thorax short, convex, hinder angles acute; abdomen with the apical segments black; legs black; base of all the thighs mostly red; antennae wholly black. (L. 4-5 l.) Flowers: Darenth Wood; and Brockenhurst, New Forest: 6.

2185 lavis Fab. E. ii. 355. — Pz. F. xxxiv. f. 16. — Ste. M. iv. 263. — Linear-elongate; narrow; black; clothed with a pale pubescence: thorax oblong, convex, punctured; elytra livid, finely punctured, the suture a little stained, the apex dusky, or black; legs long, testaceous, tip of hinder thighs sometimes dusky. (L. 3-4 l.) In hedges, &c.: common every where: 5-7.

2186 ruficornis Fab. E. ii. 360. — Stur. V. 1796. pl. 2. f. 9. — Ste. M. iv. 263. — Somewhat linear; black, thickly punctured; clothed with a griseous pubescence: mouth varied with testaceous; legs elongate, red; tips of the anterior and hinder thighs, knees of the middle legs, and tarsi black; 2 basal joints of antennae red, the rest red, with their tips black. (L. 3-4 l.) Woods and hedges: very common, and generally distributed: 6-7.
2187 pallipes Ste. M. iv. 263. — Somewhat linear; blackish; finely punctured, and clothed with a griseous pile; mouth, legs, and antennae pale testaceous-red; the latter long and slender. (L. 3½ l.) Near Dover, and in Norfolk: 6.


467 Pachyta Megerle.


2191 collaris L. ii. 639. — Mart. C. pl. 27. f. 5. — Ste. M. iv. 265. — Black; with fuscous pubescence: thorax somewhat globose, bright red above; abdomen also red; elytra deep blue-black, shining; legs long. (L. 4½ l.) On flowers: Shooter's Hill; Darenth, in plenty at times; Bexley; New Forest; Hertford; Devon: 6.

(2192† virginata L. i. 639. — Oliv. E. iv. 73. pl. 2. f. 24. — Ste. M. iv. 265. note. — Black, above glabrous; thorax with a deep dorsal channel; elytra violet-blue, roughly punctured; abdomen dirty-red. (L. 6 l.) Improperly recorded as British.)

2193 8-maculata Fab. E. ii. 361. — Ste. M. iv. 266. — Le. 6-maculata Don. x. pl. 353. f. 2. — Black, clothed with a griseous pile; elytra pale testaceous, each with 4 black spots, placed 2 obliquely at the base, 1 in the middle of the margin, and the 4th at the apex, the 2 basal ones sometimes united, or divided into 3. (L. 4½ l.) Flowers: Colney Hatch Woods; New Forest; S. Wales; Devon; Gibside, Durham; Baron Wood, Cumberland: 6.

(2194† 6-maculata L. ii. 638. — Oliv. E. iv. 73. pl. 4. f. 43. — Ste. M. iv. 265. note. — Black; pubescent: thickly punctured: elytra testaceous-yellow, with the outer margin and 3 waved bands black. (L. 5½ l.) Indicated improperly as British.)

2195 Lamed L. ii. 630. — Don. xi. pl. 395. f. 2. — Ste. M. iv. 266. note. v. 423. — Black; slightly glossy; clothed with griseous pubescence: elytra roughly punctate, livid, with an oblique black streak at the shoulder, and an elongate spot of the same colour near the apex. (L. 8 l.) Found near London; perhaps not truly indigenous.


Fam. 54 Crioceridæ. Body generally elongate: head and tho. narrower than the abdomen; the former immersed, nearly to the eyes, in the tho., which is usually cylindric or somewhat 4-drate: ant. filiform: eyes prominent: hinder thighs frequently elongate and elevate, sometimes toothed.

Fam. 54. CRIOCERIDÆ Leach.

cecelxviii. Donacia Ant. with the 4th and following joints elongated: elytra entire at the apex: legs moderate; hinder thighs generally elongate, and frequently toothed; tarsi short: body mostly of a metallic hue above.
cccclx. **Macrolea Ant.** with the 4th and following joints elongated, 2d and 3d very short: elytra with a spine at the apex: legs slender, longish; tibia simple, hinder pair more or less flexuous; tarsi long.

cccclxx. **Orsodacna Ant.** with short joints; terminal ones slightly thickened: palpi elongate, thickened at the tips: head exerted: tho. narrowed behind, not tubercled: legs longish, simple.

cccclxxi. **Crioceris Ant.** with short joints, gradually increasing in length to the apex: palpi moderate, filiform: tho. immarginate, much narrower than the elytra, which together are somewhat 4-drate, and broad.

cccclxxii. **Zeugophora Ant.** with short joints, the 5 apical ones shorter than the 3 preceding: palpi short, filiform, stout: tho. tuberculated on the sides, the base narrower than the elytra, which are rather oblong and rounded at the tip.

468 **Donacia Fabricius.**

§ A. **Hinder thighs** elongate, with 2 or 3 teeth beneath, in ♀.

2196 **crassipes Fab. E. ii. 126. — Ste. M. iv. 268. — Le. aquatica Don. iii. pl. 31.** — Broad, flat; above violet or greenish, beneath with silvery pile: disc of thorax smooth, with a short channel; elytra deeply punctate- striate, interstices smooth; hinder thighs very long, curved, 3-toothed in the ♀, 1-toothed in the ♀. (L. 4-5 l.) On the water lily: near Brentford; Kew; Tottenham; Windsor; N. of England: 6-8.

2197 **cineta Germ. — Kunzé, E. F. 5. — Ste. M. iv. 268. — Le. aquatica Mart. C. pl. 28. f. 16, 17. — Rather convex; above brassy-green, tinted with violet; beneath with silken silvery pile; thorax with a short dorsal channel, the disc wrinkled; elytra deeply crenate-striate, interstices thickly rugose-punctate transversely; thighs thickened, violet brown, hinder pair moderately elongate, of ♀ with 2, of ♀ with 1, short tooth. (L. 3 1/3-4 l.) Aquatic plants: Ealing; Windsor; Wimbledon Common; Weston; Newcastle; Scotland: 6-8.

2198 **dentata Kunzé E. F. 7. — Hoppe, 40. f. 2. — Ste. M. iv. 269. — Flattish; brassy, with a glossy pile beneath; head punctate; thorax wide, roughly punctured, and with a short channel behind; elytra flat, impressed towards the suture, the apex narrowed, obliquely truncate, and with a slight appendage; disc punctate-striate; interstices rough; legs reddish; hinder thighs 2-toothed; hinder tibiae of ♀ with 4 or 5 minute denticalations near the tip within. (L. 3 1/3-4 1/3 l.) Water lily, &c.: Windsor; Hainault; Hertford; Epping; Salisbury; Cumberland: 6.

2199 **angustata Kunzé, E. F. 8. — Ste. M. iv. 269. — Do. bidens Oliv. E. iv. 75. pl. 2. f. 12. — Flattish; narrow; brassy or coppery; head punctured; thorax 4-drate, roughly punctured, with a short channel in the middle of the disc; elytra slightly convex, with 4 depressions towards the suture, apex narrowed, sinuate-truncate, slightly appended; disc moderately punctate-striate; legs reddish, thighs and tibiae brownish above, hinder thighs 2-dentate. (L. 4-4 1/2 l.) Aquatic plants: banks of Thames; Wandsworth Common: 6.

2200 **melacnecephala Marsh. i. 348. — Ste. M. iv. 270. — Slightly convex; brassy or greenish-copper; with a pale tawny pile beneath; head black; thorax with a deep short dorsal furrow; elytra finely punctate-striate, the apex slightly truncate; tip of suture with a coppery streak; thighs red, apex and tibiae pitchy-black, hinder thighs obsolescently 2-toothed. (L. 3 l.) Aquatic plants: Fulham; Bristol: 6.

§ B. **Hinder thighs** shortish, with one tooth.

1. Legs concolorous with body.

2201 **Lemmæ Fab. E. ii. 128. — Ste. M. iv. 270. — Hoppe, 40. f. 4. — Flat-
tish; brown brass; beneath ashy; thorax roughly punctured, with an obscure channel; elytra punctate-striate, with 4 irregular impressions on the disc, mostly with a short purple streak at the base, and a longer one on the outer margin; legs greenish black, hinder thighs slightly toothed. (L. 4 ½ l.) Marshy places: London district; Burwell Fen, Cambridge; Duddingston Loch, Scotland: 6.

2202 dentipes Fab. E. ii. 127. — Ste. M. iv. 270. — Do. vittata Hoppe, 42. f. 3. — Flattish; with a yellowish pile beneath; thorax brassy; thickly wrinkled transversely; elytra with several depressions on the disc, the latter punctate-striate, base irregularly punctured, apex narrowed and truncate. (L. 4½–5 ½ l.) Aquatic plants: London district; Bottisham; River Foss, Yorkshire; Prestwick Fen, Northumberland: 6.

2203 Sagittariae Fab. E. ii. 128. — Ste. M. iv. 271. — Do. aurea Hoppe, 43. f. 5. — Flattish; silken green; beneath with a golden pile: thorax 4-drate, roughly punctured; elytra with several depressions on the disc, the latter punctate-striate, base irregularly punctured, apex narrowed and truncate. (L. 4½–5 ½ l.) Aquatic plants: London district; Budapest; Salisbury; Covehithe, Suffolk; Cambridge and Cumberland: 6.

2204 brevicornis Kunzé, E. F. 16. — Ste. M. iv. 271. — Above dull-brass, beneath with a golden down: antennæ short, black; thorax somewhat 4-drate, roughly punctured; elytra flattish, with 4 slight depressions, punctate-striate from base to apex, the last truncate; legs longish, hinder thighs with an acute tooth. (L. 4–5 l.) Aquatic plants: Bristol: 6.

2205 obscura Gyll. iii. 654. — Ste. M. iv. 272. — Flattish; brassy-brown, opaque; beneath with a golden down; thorax somewhat 4-drate, flat, roughly punctured, with a faint channel in front; elytra with 4 deepish foveæ, the base within irregularly punctate, the rest of the disc regularly punctate-striate, apex truncate; legs longish, hinder thighs with an acute tooth. (L. 3 l.) Water lily: Windsor and Bristol: 6.

2206 thalassina Germar.—Kunzé, E. F. 18. — Ste. M. iv. 272. — Flattish; golden-green or coppery, opaque; beneath with a golden down; thorax rather convex, narrowed behind, deeply punctate, and with a dorsal channel; elytra with obscure basal depressions, deeply punctate-striate at the base, and faintly at the apex, the latter somewhat obliquely truncate; legs long, hinder thighs with an acute tooth. (L. 4½ l.) Aquatic plants: Bristol: 6.

2207 impressa Gyll. iii. 656. — Ste. M. iv. 272. — Flattish; shining-brass, reddish-copper, greenish or dusky; beneath with a golden down; thorax somewhat 4-drate, flattish, very much punctured, and with a faint dorsal furrow; elytra rather convex, with 4 impressions on the disc, regularly punctate-striate, interstices transversely wrinkled, apex slightly truncate; legs longish, dusky; hinder thighs with an obsolete tooth. (L. 4 l.) Rushes: Kensington Gardens; in Suffolk and New Forest: 6.

2208 Proteus Kunzé, E. F. 29. — Ste. M. iv. 273. — Do. discolor Pz. F. xxx. f. 2. — f. 3 var. — Do. Nymphææ Samou. pl. 2. f. 27. var. — Above metallic, of every possible tint, from an intense black, through blue, green, bright copper to red, beneath with a golden pile; thorax 4-drate, punctate-rugose; elytra ovate, shining, punctate-striate, flattish on the back and impressed, the apex raised; legs and antennæ short, stoutish, the tip of the thighs usually black. (L. 3½–4½ l.) On aquatic plants: generally distributed: 5–6.

ashy silken pile; thorax elongate, punctured, silky; elytra oblong, convex, punctate-striate, the back slightly impressed, the tip rounded; legs and antennae rather slender and elongate. (L. 3\(\frac{1}{2}-4\frac{3}{4}\) l.) Aquatic plants: London district: 5-6.

2. Legs pale.

2210 rustica Schüppel. — Kunzé, E. F. 31. — Ste. M. iv. 274. — Do. discolor Hoppe, 45. f. 8.  TreeSet. a brown black; ° greenish-brass; both sexes with mouth, antenna, apex of abdomen, and legs red; elytra crenate-striate, the tip rounded; hinder thighs with an acute tooth. (L. 3-4 l.) Aquatic plants: Greenwich; Battersea fields; Cambridge; Bristol; Devonshire, &c.: 6.

2211 nigra Fab. E. ii. 128. — Ste. M. iv. 274. — Do. palustris Pz. F. xxi. f. 10. — Brassy black; thorax bluish, somewhat heart-shaped; elytra punctate-striate, interstices transversely wrinkled, tip rounded; legs longish, antennae, apex of abdomen, and margins of its segments, red; hinder thighs obtusely toothed. (L. 5-6 l.) Aquatic plants: Woolwich and Greenwich marshes; Battersea; Southend; Cambridge; Witlesea, &c.: 6.

B. Hinder thighs not toothed.

2212 Menyanthis Fab. E. ii. 129. — Ste. M. iv. 274. — Le. simplex Mart. C. pl. 28. f. 23. — Elongate, flattish; above shining brassy-green, beneath with a silvery pile; elytra crenate-striate, interstices transversely wrinkled, tip obtusely rounded; legs elongate, pitchy-red, hinder thighs long and bent, slender at the base; antennae reddish, dusky at the base. (L. 5-6½ l.) Aquatic plants: local: Surrey Canal; Whittlesea Mere; Norfolk: 6.


2214 linearis Hoppe 46. f. 10. — Ste. M. iv. 275. — Elongate, flattish; dull greenish-brass, or purplish copper; beneath with a silvery pile: thorax 4-drated, thickly punctured; elytra punctate-striate, interstices strigose transversely, disc with 4 obscure depressions, placed 4-angularly, apex truncate; thighs brassy, base and tibiae dull testaceous, latter bent; antennae black, the base of each joint dull red. (L. 4-5 l.) Aquatic plants: plentiful, and generally distributed: 6-7.

2215 Tynhe Brahmi. — Kunzé, E. F. 47. — Ste. M. iv. 276. — Cur. xi. pl. 494. — Somewhat linear, brassy-green; beneath with a silken-silvery pile; thorax flattish, thickly punctured and rugged; elytra punctate-striate, interstices finely strigose; apex slightly notched; disc with a golden-red streak near the suture, and more or less varied with blue tinges; legs and antennae nearly as in Do. linearis. (L. 4-5 l.) Rather local, on aquatic plants: Surrey and Croydon canals; Wandsworth Common: 6.

2216 Hydrochaeris Fab. E. ii. 129. — Pz. F. xxi. f. 17. — Ste. M. iv. 276. — Flattish; obscure brown-brass, opaque, clothed throughout with a dense ashy pubescence: thorax 4-drated, obscurely punctured; elytra faintly punctate-striate, interstices finely coriaceous; legs longish; thighs with base testaceous, apex brassy, tibiae and tarsi dusky-testaceous; antenna black, with some of the terminal joints reddish at the base.
(L. 4½-5 l.) On aquatic plants: Surrey Canal; Woolwich marshes; Norfolk; Suffolk; Bristol; Prestwick; Yorkshire, &c.: 6.

469 Macrolepia Hoffmannsegg.

2217 Zostera Fab. E. ii. 127. — Ste. M. iv. 277. — Ma. Equiseti Cur. vii. pl. 318. — Black; mouth, thorax, and elytra testaceous-yellow; thorax brightest, with 2 longish black spots; elytra convexit striate, the striae in pairs, and composed mostly of black punctures, the apex produced into an acute spine, the inner margin rounded; legs yellow, thighs and tibiae spotless, hinder tibiae flexuous; tarsi annulated with fuscous. (L. 2½-4 l.) On Zostera marina, and amongst the leaves of Potamogeton pectinatus: Hull; Cambridge; Fakenham; Windsor: 6.

(2118 † Equiseti Fab. E. ii. 127. — Ste. M. iv. 277. — Do. appendiculata Fz. F. xxiv. f. 17. — Black; mouth, thorax, and elytra testaceous-yellow; the thorax brighter and with 2 long black dashes; elytra flatish, striate in pairs, the striae composed mostly of black punctures, apex produced externally into an acute spine, internally with an obtuse short one; legs yellow, tips of the thighs and of the tibiae black; tarsi entirely pitchy-brown; claws black; hinder tibiae slightly bent. (L. 4-4½ l.) Supposed to occur near Windsor: 6.)

470 Orsodacna Latreille.

2219 chlorotica Lat. G. iii. 44. — Ste. M. iv. 278. — Cr. fulvicollis Fz. F. lxxiii. f. 8. — Above glutinous, shining; irregularly punctate; beneath with a silken pile: antennae, head, and thorax pale red, the latter remotely punctured; elytra and legs pale testaceous-yellow; the breast, crown, and abdomen, and sometimes the edges of the elytra, are brown or black. (L. 2½-4 l.) Hedges: Matlock, Derbyshire; Epping: 6.

2220 nigriceps Lat. Gr. iii. 44. — Ste. M. iv. 279. — Cr. lincola Fz. F. xxxiv. f. 5. — Black: antennae, legs, thorax, and sometimes the abdomen pale red; elytra pale testaceous; thorax slightly pubescent, thickly punctured, except a smooth dorsal line; hinder thighs with a brown dot. (L. 3-3½ l.) On the sallow: Darent Wood: 6.

2221 humeralis Lat. Gr. iii. 45. — Ste. M. iv. 279. — Violet-blue; thorax with 2 dull-red spots behind; elytra with the shoulders, and the joints of the legs also, dull red: sometimes the thorax and the elytra are wholly violet-blue, with the base of the antennae and thighs dull red: or occasionally the insect is pale testaceous, with the crown and breast violet black. (L. 3-3½ l.) Whitethorn: Norwood and New Forest: 6.

(2222† cantharoides Fab. E. i. 462. — Ste. M. iv. 279. note.—Violet shining; head, thorax, and legs red; antennae reddish at the base. (L. 3 l.) An English specimen said to have been in the old collection at the British Museum.)

471 Crioceris Geoffroy.

2223 mardigera L. ii. 599. — Samou, pl. 2. f. 14. — Ste. M. iv. 280. — Short; black; thorax and elytra bright red, spotless, the latter delicately punctate-striate. (L. 3½-4 l.) On the white lily in gardens: Camberwell; Deptford; Peckham; Crwmllyn Burrows: 6-7.


2225 puncticollis Spence. — Cur. vii. pl. 323. — Ste. M. iv. 281. — Short; glossy blue; thorax slightly convex, thickly and deeply rugose-punctate, with an obsolete impression behind, and 2 short furrows on the back;
lateral margins gibbous in front, with a deep fovea: elytra finely punctate-striate; antennae and tarsi black. (L. 2-3 l.) Hedges: Hertford; Camberwell; Brigg, Lincoln; Weston, Oxon; Swansea: 6.

2226 cyanella L. ii. 600. — Mart. C. pl. 15. f. 25. — Ste. M. iv. 281. — Short; glossy blue or greenish; antennae and tarsi black; thorax with the lateral margins gibbous, disc convex, shining, sparingly and minutely punctured, and with a deep transverse impression behind; elytra deeply punctate-striate, body beneath and legs pilose. (L 1½-1½ l.) On willows, &c.: London district, and generally distributed: 6.

2227 obscura Ste. M. iv. 281. — Short; deep opaque black; beneath shining blue-black: antennae, tibiae, and tarsi black; thorax slightly convex, very faintly, but rather distinctly, punctate; elytra moderately punctate striate. (L. 1½ l.) London district; Bristol; Norfolk: 6.

2228 melanopa L. ii. 601. — Mart. C. pl. 17. f. 53. — Ste. M. iv. 281. — Oblong; blue, or greenish, shining; thorax and legs bright red; antennae and tarsi black. (L. 2½-3 l.) Hedges: London district; Newcastle; Carlisle; Weston; Scotland, &c.: 6.

2229 Asparagi L. ii. 601. — Don. i. pl. 28. — Ste. M. iv. 282. — Oblong; blue-black, or greenish; thorax red, with 2 black spots, sometimes united, or almost obliterated; elytra testaceous-yellow, the suture and a short branch on each side forming a cross, blue-black; towards the base and apex are 2 spots of similar hue, frequently united to the cross; tibiae sometimes reddish at the base. (L. 2-3 l.) On Asparagus; widely distributed throughout the S. of England: 6-8.

472 Zeugophora Kunzé.

2230 subspinosa Fab. E. i. 461. — Pz. F. lxxxiii. f. 10. — Ste. M. iv. 283. — Black; head, thorax, base of antennae, and legs, pale testaceous yellow: thorax deeply punctured; elytra punctured, dull black; mandibles pitchy at tip. (L. 1½ l.) On sallow and hazel: Coombe; Darent; Hornsey; Epping; Weston; Swansea: 6.

2231 flavicollis Marsh. i. 217. — Ste. M. iv. 283. pl. xxii. f. 4. — Black; head yellow; crown and eyes black; thorax pale yellow, sparingly punctured; elytra shining, deeply punctured, the angle of the shoulders yellow beneath; legs and 3 basal joints of the antennae yellow. (L. 2 l.) Woods: Bexley; Kimpton, Hants; Mancheester: 6.


Fam. 55 Hispide. Ant. filiform, porrect: head exserted: mouth not concealed by the anterior edge of the prostenum: tho. trapeziform: body oblong; more or less armed with spines: tibiae compressed: palpi short.

Fam. 56 Cassidiade. Ant. inserted near together, short, filiform or slightly thickened towards the tips, the base and head concealed beneath the anterior edge of the tho., which last is generally semieircular; mouth partly hidden by the anterior edge of the prostenum: body shield-shaped, the sides of the thorax and elytra dilated: palpi very short.

Fam. 57 Galerucide. Ant. approximating at the base, exserted, filiform, rather long: body somewhat oval or hemispherical: elytra wider than the tho., which is mostly transverse: palpi with terminal joint thickest in the middle: legs simple; the hinder thighs frequently considerably thickened.

Fam. 58 Chrysomelide. Ant. remote, short, moniliform, sometimes rather serrated: body generally hemispherical or ovate; tho. with its base usually as broad as that of the elytra: legs of equal size: palpi short.
Fam. 55. HISPIDAE Kirby.

Cyclica. Hispa Ant. cylindric, basal and terminal joints largest, the former spinose without: tho. narrowed in front; sides rounded: elytra elongate: legs stout: body spinose.

472 Hispa Linné.


Fam. 56. CASSIDIADÆ Leach.

ccelelxiii. Cassida Ant. slightly filiform; rather thickened towards the apex: max palpi clavate; lab. filiform, acute at the tip: legs short: tho. and elytra expanded.

474 Cassida of Authors.

2233 vittata Fab. E. i. 391. — Ste. M. iv. 365. pl. xxiii. f. 1. — Wingless; black, red above: thorax with 4 irregular black spots; elytra obsolesly wrinkled transversely, with the suture, an interrupted streak on each, and a spot near the base, black; base of antennæ dull red. (L. 3-3\5/.) On the ragwort: Burghfield, Berks; Godstone; Windsor; Ryde; New Forest: 6.

2234 Murrea L. ii. 575. — Samou. pl. 2. f. 10. — Ste. M. iv. 366. — Black, above red or green; thorax punctured, spotless; hinder angles straight; elytra punctate-striate, blotched with black near the suture, and spotted with the same on the disc; edge of abdomen pale. (L. 3-4\5/ l.) On Inula dysenterica, &c., near Greenwich; Plaistow marshes; Swansea: 6.


2237 equestris Fab. E. i. 388. — Pz. F. xevi. f. 5. — Ste. M. iv. 367. — Ovate; green above, thickly and irregularly punctate, the punctures coarse on the elytra, faint on disc of thorax, the latter transverse, with hinder angles rounded: beneath black, with sides and tip of abdomen and legs rusty-luteous; base of antennæ testaceous. (L. 4-4\5/ l.) On mint, &c.: London and Edinburgh districts, and pretty generally distributed: 4-6.

2238 Vibex L. ii. 575. — Pz. F. xevi. f. 6. — Ste. M. iv. 367. — Ovate; black, above green; thorax semicircular, hinder angles rounded, sides reddish; elytra rather convex, distinctly punctate-striate, the base within and the suture irregularly reddish-brown; sides of the abdomen pale, interrupted; legs pale testaceous, base of thighs dusky. (L. 3 l.) On Serratula arvensis: Hertford; Bristol, &c.: 6.

2239 nebulosa L. ii. 575. — Ste. M. iv. 367. — Ovate; black; above yellow-
ish-griseous, or pale green; thorax semicircular, hinder angles rounded, sparingly punctured, elytra deeply punctate-striate, the disc, especially towards the apex, thickly sprinkled with minute black spots, somewhat united on the sides; edge of abdomen, and legs, pale; thighs dusky at base. (L. 3 l.) Hedges: Dareuth Wood; Bottisham; Monk's Wood: 6.

2240 ferruginea Fab. E. i. 391. — Herbst. C. viii. pl. 130. f. 14. — Ste. M. iv. 368. — Ovate; black; above dull red; thorax finely punctured, hinder angles rounded; elytra thickly punctured, the punctures irregularly disposed, and interrupted with several elevated ridges, 2 of which are parallel with the suture; sides of abdomen broadly testaceous; legs and antennæ pale, base of thighs and tips of antennæ dusky. (L. 2 1/2 l.) In Devonshire: 6.

2241 obsoleta Ill. K. i. 484. — Ste. M. iv. 368. — Ovate; black; above griseous yellowish; thorax with the hinder angles rounded, the base with a deep fovea, sides flat; elytra deeply punctate-striate, alternate interstices slightly raised; forehead, sides of abdomen, and legs very pale testaceous; antennæ pale, tip dusky. (L. 2 1/2 l.) Grassy places: Coombe Wood; Hertford; widely distributed: 4-6.

2242 sanguinolenta Fab. E. i. 389. — Ste. M. iv. 369. — Ca. cruenta Don. ii. pl. 62. f. 2. 3. — Ovate; black; above green; thorax curved behind, the angles rounded; elytra very convex, shining, punctate-striate, 2d and 5th interstices slightly raised; base of the suture with a bright red spot; sides of the abdomen and legs pale green. (L. 2-2 1/2 l.) Hedges: Hammersmith; Epping Forest; Highgate; Cambridge; Crwmlyn Burrows: 4-6.

2243 singularis Sturm. — Ste. M. iv. 369. — Short, ovate; black; above green; thorax thickly punctured, a little waved at the base, hinder angles rounded; elytra thickly, irregularly, and coarsely punctured, spotless; abdomen with a narrow pale edge; legs and antennæ at base pale; thighs dusky at base. (L. 2 1/2 l.) London district: 6.

2244 viridula Ph. F. ii. 49. — Ste. M. iv. 369. — Ca. margaritacea var. Herbst. E. viii. pl. 130. f. 16. — Oblong-ovate, convex; black; above pale greenish, spotless: thorax rather round at the base, hinder angles obtuse, disc smooth; elytra moderately punctate-striate, 3d interstice dilated in the middle and irregularly punctured, margin deflexed; breast fuscous; a broad margin to abdomen and the legs pale greenish, base of thighs dusky. (L. 3 l.)


2245 Salicornia Cur. iii. pl. 127. — Ste. M. iv. 370. — Rather oblong-ovate; black; greyish ochre above; thorax sparingly punctured, margin somewhat transparent, hinder angles obtuse; elytra punctate-striate, 3d interstice with a few scattered punctures, with a waved metallic-green stripe, disappearing with life; suture brownish; sides of abdomen broadly ochreous; legs entirely ochreous. (L. 2 1/2 l.) On aquatic plants: Riple; Coombe Wood; Fakenham, &c.: 4-6.

2246 nobilis L. ii. 575. — Don. iv. pl. 138. f. 1-3. — Ste. M. iv. 370. — Ovate, convex; black; above greenish-yellow; disc of thorax smooth, sides punctate, hinder angles obtuse; elytra deeply punctate-striate, 2d interstice broad silvery blue or coppery during life, fading to pale yellow; margin of abdomen and legs pale testaceous; base of thighs black. (L. 2-2 1/2 l.) Ockham Heath, Surrey; Cambridge; Marton, Yorkshire: 4-6.

2247 splendidula Marsh. i. 147. — Ste. M. iv. 371. — Ca. pulchella. Pz. F. xxxix. f. 15.7. — Ovate, convex, black; griseous above; thorax with hinder angles obtuse: elytra punctate-striate, suture brownish; a golden coppery
stripe on the 2d interstice, and 1 or 2 short ones in the middle of the disc, and on the shoulders; edge of the abdomen, legs, except base of thighs, and base of antennae, pale. (L. 2-2½ l.) London district; Devonshire; S. Wales: 6.

2248 margaritacea Fab. E. i. 397. — Ste. M. iv. 371. — Ca. mutabilis Vill. E. i. pl.1. f.11. — Nearly orbiculate, convex; greenish; above silver-green or pearly, after death pale testaceous; thorax with the hinder angles obtuse; elytra thickly and finely punctured, sides deflexed and expanded; head and breast black; legs and base of antennae pale. (L. 2 l.) Rare: near London; at Hertford and Ripley: 6.

2249 concinna Ste. M. iv. 371. — Somewhat orbiculate, convex; shining; greenish; thorax faintly punctured; hinder angles obtuse; elytra very thickly and coarsely punctured, punctures confluent, sides deflexed and expanded; head and breast black; abdomen and legs greenish; base of antennae pale, tip black. (L. 2 l.) Birch Wood and Suffolk: 9.

2250 hemisphærica Herbst. C. viii. 220. pl. 129. f. 9. — Ste. M. iv. 371. — Somewhat hemispheric; green above; head black; thorax faintly punctured; hinder angles rather acute; elytra ample, disc deeply and coarsely punctured, sides rounded, deflexed and expanded; breast black; abdomen yellow; legs pale. (L. 2 l.) Devonshire: 6.

Fam. 57. GALERUCIDÆ Stephens.

cceclxxv. Auchenia Ant. shorter than the body, joints elongate, 2d much shorter than the 3d: labrum entire; somewhat lobed: tho, with hinder angles obtuse: elytra rounded at the apex, and with an angle on the sutural edge; hinder thighs not incrassated.

cceclxxvi. Adimonia Ant. rather short, with 2d and 3d joints equal, short: labrum notched: tho, wider behind than before, the hinder angles prominent; elytra dilated behind the middle, the apex rounded and acute within; hinder thighs not incrassated.

cceclxxvii. Galeruca Ant. shorter than the body; joints short, obscure, 2d much shorter than the 3d: labrum entire: tho, broad at the base, the disc unequal, i. e., impressed or foveolated: elytra ample, ovate, or elliptical; hinder thighs not incrassated: tibiae ciliated.

cceclxxviii. Luperus Ant. much longer than the body; joints elongated, 2d and 3d equal: labrum entire, with a small central lobe: tho, broadest in front, hinder angles acute: elytra elongate, dilated behind: legs long: hinder thighs not thickened, their tibiae slender, not bent.

cceclxxix. Calonicrus Ant. longer than the body, 2d and 3d joints equal, short: labrum entire; slightly lobed: head narrower than the tho, which has the sides rounded: elytra slightly attenuated at the apex: legs slender: hinder thighs not thickened, their tibiae simple, slightly curved.

cceclxxx. Haltica Ant. 11-jointed; elongate; 2d joint longish, or somewhat globose, 3d long: body oblong-ovate: tho, narrower than the elytra, which are elongate: hinder thighs considerably incrassated; their tibiae not dentate nor ciliated without, with a simple spine at the tip, and the tarsi short and apical.

cceclxxxi. Thyamis Ant. 11-jointed, shortish; 2d and 3d joints abbreviated; and subequal: body elongate: elytra convex, slightly dilated behind: hinder thighs much thickened; their tibiae simple, and their tarsi elongate, apical.

cceclxxxi. Mantura Ant. 11-jointed, short; basal joint very robust; 2d short, somewhat globose: body oblong-ovate: tho, as broad as elytra, the latter dilated towards the middle: hinder thighs incrassated; their tibiae simple, truncate at the apex; their tarsi short, stout, apical.
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cceclxxxiii. Macrocnema Ant. 10-jointed, the true 2d joint obliterated: head small: body elongate, attenuated at each end; hinder thighs very much thickened; their tibiae bent, simple, apex spurious, obliquely truncate, and their tarsi elongate, inserted before the apex.

cceclxxxiv. Dubolia Ant. 11-jointed; 2d joint short, stout; head retracted beneath the anterior edge of tho., the base of which is bisinuated: legs short; hinder thighs much thickened; their tibiae bent at the base, spined externally, and armed with a bifid spur; tarsi short, apical.

cceclxxxv. Cardiapus Ant. 11-jointed, 2d joint moderate, slender; apex slightly thickened: body somewhat cylindrical: tho. with base as broad as elytra: head exserted: thighs robust, hinder pair stoutest; their tibiae slightly bent, and a little ciliated without, armed with a small spine; tarsi short and apical, penult. joint bilobed.

cceclxxxvi. Ciletocnema Ant. 11-jointed, short, basal joint stout, bent, 2d robust, short: head prominent: tho. with lateral margins rounded: elytra broad: body very convex: legs robust; hinder thighs thickened; their tibiae dentate externally and ciliated; tarsi short, apical.

cceclxxxvii. Spleroedera Ant. 11-jointed, joints simple, 2d somewhat globe: body hemispherical, very glabrous, and shining: head slightly connected by the anter. margin of the tho.; elytra dilated at the base: hinder thighs incorporated; their tibiae bent, simple; tarsi broad, short, apical.

cceclxxxviii. Mniophila Ant. 11-jointed, slightly thickened towards the apex; basal joint long, 2d somewhat globose, 4 following minute, 7th longer, obconic truncate, 8th minute, 3 following forming a slight club: body hemispherical: hinder thighs incrassated; tibiae simple: tarsi short, apical.

475 Auchenia Marsham.

2251 4-maculata L. ii. 600. — Cur. viii. pl. 366. 3. — Ste. M. iv. 235. pl. xxii. f. 6. 2. — Black; head in front, thorax, elytra, legs, and antennæ pale testaceous-yellow; elytra finely punctulated, and with 2 remote black spots, the hinder 1 sometimes divided. (L. 3-4½ l.) Marshy districts; Battersea fields; banks of Thames, &c.; Paddington; Monk's Wood; Bristol; Crumlyn Bog; fens, Ely: 6-7.

476 Adimonia Schrank.

2252 Alni L. ii. 587. — Ste. M. iv. 235. pl. xxii. f. 5. — Violet-blue, or greenish; shining; thickly punctured: elytra with a purplish tinge, irregularly punctured; thighs violet; tibiae, tarsi, and antennæ black. (L. 3-4 l.) Rare: near London; Exeter; Bristol: 5-6.

2253 halensis L. ii. 589. — Mart. C. pl. 15. f. 29. — Ste. M. iv. 286. — Yellow: head and elytra golden-green, bluish, or blue; antennæ and tarsi fuscous: eyes black: forehead testaceous. (L. 2-3½ l.) Hedges, on flowers; Hertford; Newmarket Heath; Suffolk; Monk's Wood; Durham; Swansea; Newcastle; Carlisle: 7-9.

477 Galeruca Geoffroy.

2254 Tanaceti L. ii. 587. — Samou. pl. 2. f. 13. — Ste. M. iv. 287. — Ovate, black, spotless; above thickly, deeply, and roughly punctured: elytra with about 5 faintly elevated lines: — thorax and elytra dull griseous when immature. (L. 4-6 l.) On shrubs, &c.; generally distributed, sometimes in profusion on the eastern coasts: 5-7.

2255 rustica Fab. E. i. 481. — Pz. F. cii. f. 4. — Ste. M. iv. 288. — Ovate, black; thickly, deeply, and coarsely punctured: thorax and elytra bright griseous, the latter with 5 distinctly elevated lines. (L. 4-6 l.) Marshy places; Whittlesea Mere: 6-7.
2256 Capreæ L. ii. 600. — Mart. C. pl. 17. f. 45. — Ste. M. iv. 288. — Rather oblong-ovate; glabrous; thickly punctured; black: thorax griseous, with 3 black spots; elytra dull testaceous; tip of hinder thighs, tibiae, tarsi, and basal joints of antennæ griseous, the latter tipped with black. (L. 2-2½ l.)

Var. ? Ga. saturata Ste. M. iv. 288.—Above dark griseous, or blackish, with the middle of the thorax, thighs, and antennæ entirely black. Common: London district; S. Wales; Bristol; Suffolk; Newcastle; Bottisham; Raehills, &c.: 5-7.

2257 Viburni Ph. F. ii. 89. — Cur. viii. pl. 371. — Ste. M. iv. 289. — Ovate, convex; griseous-yellow, with a silken pile: crown with a black spot; thorax with a short dorsal furrow and a broad marginal streak black; elytra with a black callus on the shoulder; tibiae outwardly fuscescent; antennæ black, base of the joints pale-testaceous. (L. 3 l.) Woody places: Darent; Dorsetshire; Newcastle; Yorkshire; Weston, Oxon; S. Wales: 5-7.


2259 Nymphaæ L. ii. 600. — Mart. C. pl. 17. f. 46. — Ste. M. iv. 289. — Elongate-ovate, flattish; black: thorax yellow, with 3 black spots; elytra irregularly punctured, dull black, the sides and apex yellowish; tip of abdomen and of thighs, tibiae, tarsi, and scutellum yellow; basal joints of antennæ pale at the base. (L. 2-3 l.) Aquatic plants: London district; Bottisham; Prestwick Car; Crowmlyn and Sketty bogs; Raehills: 5-6.

2260 Calamariæs L. ii. 600. — Ste. M. iv. 290. — Oblong-ovate; above testaceous; deeply punctured: crown, furrow on the thorax, scutellum, a dash on the elytra, breast and base of abdomen black; apex of abdomen and base of antennæ testaceous. (L. 2-2½ l.) Aquatic plants: London district; Bottisham; Weston; Bristol; Swansea: 5-6.

2261 Lythri Gyll. iii. 513. — Ste. M. iv. 291. — Oblong-ovate: above testaceous, deeply punctured; a crescent on the crown, a line in the dorsal channel of the thorax, and the scutellum black; elytra testaceous, with the humeral callus clouded; thorax pale testaceous beneath; breast and abdomen black, tip of the latter and the legs testaceous; antennæ testaceous, the tip black. (L. 1½-2½ l.) Lythrum salicaria, &c.: London district; Swansea: 6.

2262 lincola Fab. E. i. 486. — Pz. F. cii. f. 1. — Ste. M. iv. 291. — Oblong-ovate; above testaceous-yellow, punctured, and with a silken pile; a lunate spot on the crown, a black wedge-shaped patch at the base of the thorax, and the scutellum black; elytra testaceous, sides and suture pale, callus dusky or black; body black beneath, the tip of abdomen and legs pale yellowish; antennæ black, with the base more or less testaceous. (L. 1½-2½ l.) Aquatic plants: London district; Exeter; Bristol; S. Wales: 6.

2263 xanthomælena Schön. S. 78. — Ste. M. iv. 291. — Oblong-ovate, flattish; above griseous-yellow, thickly punctured; crown with a 3-angular black spot, and another geminated one at the base of the antennæ; thorax with 3 black spots; elytra with a long black dash within the margin, and a short streak near the middle; legs dull yellow, thighs with a dusky spot without, tibiae with a black streak, hinder pair bent. (L. 3 l.) Elms: London district: 6.

2264 tenella L. ii. 600. — Pz. F. cii. f. 9. — Ste. M. iv. 292. — Oblong-
ovate, convex; head yellow, crown black; thorax wholly yellow; scutellum pitchy; elytra punctate, testaceous, the suture and lateral margins yellow; body beneath black, the tip of abdomen and the legs pale testaceous. (L. 1½-2½ l.) On willows, in marshy places: London district; Bristol; S. Wales; Cardew-mire, Cumberland; Raehills: 6.

478 Luperus Geoffroy.

2265 rufipes Fab. E. i. 461. — Pz. F. xxxii. f. 5. — Ste. M. iv. 293. — Shining black, glabrous; base of antennæ and the legs reddish-yellow; thighs black at the base. (L. 1½-3½ l.) On willows, &c.: Ripley, abundant; Windsor; Midgeley Moor; Swansea; Raehills: 6-7.

2266 flavipes L. ii. 601. — Pz. F. xxxii. f. 4. — Ste. M. iv. 293. — Shining black, glabrous; thorax wholly yellow; legs long, yellow, the thighs black at the base; antennæ black, the base yellow. (L. 1½-2½ l.) On hazel: Coombe Wood; Cambridge; Midgeley Moor; Swansea; Raehills, &c.: 6.

479 Calomicrus Dilwyn.

2267 circumfusa Marsh. i. 227. — Ste. M. iv. 294. — Lu. Brassica Cur. viii. pl. 370. — Black; shining, punctate, glabrous: thorax, with a 3-lobed band in front, and the elytra yellow, the suture and outer margin broadly ovate; tibiae and base of antennæ reddish. (L. 1½-2 l.) Hedges: Ripley; Hertford; New Forest; Bristol; Prestwick Car; Swansea: 6.

480 Halicta Illiger.

§ A. Art. with 4th or 5th joints elongate, thickened in ♂:

Phyllotrapa Chevrolat.

2268 antennata Oliv. E. iv. 82. pl. 5. f. 82. — Ste. M. iv. 295. — Elongate, flat; dull brass, or coppery; thorax 4-drate; elytra punctured, very obtuse; legs and antennæ brownish, the latter, in the ♂, with the 4th joint very large and dilated. (L. 1½-1½ l.) On Reseda: Hertford; Swaffham Bulbeck, Cambridge; near Crwnlym Burrows: 6-8.

2269 † consobrina Curtis xiv. fo. 630.— “Like M. Lepidii, but very thickly and more coarsely punctate, dull green; antennæ black, 5th joint elongated, 6th small, the following broader and compressed; tarsi brown. (L. 1 l.)” New Forest: 6.

2270 Brassicae Oliv. E. M. iv. 111. — Ste. M. iv. 296. — Ha. 4-punctulata Ent. H. ii. pl. 3. f. 5. — Ovate, convex, deep black; thickly and finely punctured; elytra each with 2 rather 3-gonal testaceous yellow patches, placed longitudinally; thighs black, shining; tibiae and tarsi pitchy brown; antennæ testaceous at base, 5th enlarged in the ♂. (L. 1½-2½ l.) Hedges: Hertford; Ripley; Cummersdale, Cumberland.

2271 ochripes Cur. xiv. pl. 630. — Slightly elongated; black, shining, thickly punctured: elytra with a broad testaceous-yellow streak, interrupted on the outer margin with a 3-gonal black patch, sometimes extending to the suture and forming a bar across; legs bright ochre; hinder thighs black; antennæ of ♂ with the 3 basal joints ochreous, of ♀ entirely ochreous. (L. 1½-1½ l.) Hedges: Dulwich; Peage Wood; Ockbrook, Derbyshire: 5-7.

2272 Nemorum L. ii. 595. — Don. xvi. pl. 569. f. 1. — Ste. M. iv. 296. — Oblong-ovate; flattish; black, thickly punctured; elytra greenish-black, with a broad uninterrupted longitudinal sulphur-yellow streak, not touching the apex; antennæ, knees, tibiae, tarsi, and base of antennæ testaceous. (L. 1½-2½ l.) On cruciferous plants: too generally distributed: ☑.
§ B. Ant. with 4th or 5th joints shortish, simple: 1. tho. without a transverse impression. *Elytra punctulate.

2273 flexuosa Marsh. i. 198. — Ste. M. iv. 296. — Oblong-ovate, flattish, black, thickly punctured; elytra with a narrow, flexuous pale luteo-testaceous longitudinal streak; knees pitchy; antennae testaceous at the base. (L. 1\frac{1}{2}-1\frac{3}{4} l.)


2274 vittata Ste. M. iv. 297. — Oblong; flat; black; elytra pale testaceous, with the entire margin and a central band black; legs also black; antennae pale at the base. (L. 1\frac{1}{2} l.) Meadows: London district and Norfolk: 6.

2275 4-guttata Ste. M. iv. 299. — Oblong; black; finely punctured; elytra each with a yellow central interrupted streak, forming 2 distinct spots; legs and antennae black. (L. 1 l.) Hedges: London district; Weston, Oxon; New Walk, Yorkshire; S. Wales: 6.

2276 Lepidii Ent. H. ii. 64. — Ste. M. iv. 297. — Al. nigripes Pz. F. xxi. f. 5.— Elytra flattish, finely punctured; greenish-brass; thorax narrowed in front; elytra obtuse at tip, greenish-blue, more deeply punctured than the thorax; body beneath bluish; legs and antennae black. (L. 1-1\frac{3}{4} l.) Hedges: London district: 6-8.

Var.? Ch. lens Thunb. A. H. iv. 13. — Ste. M. iv. 298. — Above blue or violet, beneath black; Hedges, &c.

2277 elongata Ste. M. v. 423. — Elongate-ovate; rather convex; very finely punctured; elytra obtuse at the apex; antennae and legs pitchy-black. (L. 1\frac{1}{2} l.) Hedges: London district: 6.

2278 obscurella Ill. M. vi. 154. — Ste. M. iv. 298. — Oblong-ovate, flattish; punctulate; dull brassy; elytra obtuse at the tip; legs and antennae black, the base of the latter red. (L. 1-1\frac{3}{4} l.) Hedges: London district and Bristol: 6.

2279 punctulata Marsh. i. 200. — Ste. M. iv. 298. — Oblong-ovate, flat; shining black; deeply punctured; thorax rather long; elytra obtuse at the apex; legs and antennae entirely black. (L. 1-1\frac{3}{4} l.) Hedges: London district; Bristol: 6.

2280 melana Ill. M. vi. 154. — Ste. M. iv. 298. — Oblong, flat; punctured; above black, or blue-black; thorax somewhat 4-drate; antennae and legs black. (L. 1\frac{3}{4} l.) Hedges: London district and Norfolk: 6.

2281 nigroænea Marsh. i. 197. — Ste. M. iv. 298. — Oblong; flattish; blue-brass; very thickly punctured; elytra obtuse at the apex; antennae and legs black. (L. 1\frac{3}{4} l.) Hedges: London district; Ripley: S. Wales: 6.

Body ovate: — Aphthona Chevrolat.

2282 Cyparissæ Ent. H. ii. 80. pl.3. f. 8. a. — Ste. M. iv. 299. — Rather oblong, smooth, testaceous; forehead with 2 tubercules between the eyes; elytra pale, very finely punctured; abdomen pitchy; legs and antennae testaceous; hinder tibiae dusky-brown. (L. 1\frac{1}{2} l.) Hedges: London district; Norfolk; Devon: 6.

2283 Euphorbiæ Fab. E. i. 467. — Ste. M. iv. 299. — Ovate; shining; black, with a brassy or bluish gloss above; minutely punctured; thorax rather smooth; legs testaceous-yellow, hinder thighs dusky at the tip; antennae with the base pale. (L. 1 l.) Hedges: Battersea fields; Bottisham; New Walk, York: Swansea: 4-7.
2284 atrocerulea Ste. M. iv. 299. — Ovate, deep black, very thickly punctured, especially on the thorax; above deep-blue or greenish; legs entirely pale testaceous; base of antennae pale. (L. 3⁄4-1 l.) Hedges: Hertford; Bristol: 6.

2285 herbigratus Cur. xiv. fo. 630. — Ovate, narrowish; bright shining-green, punctured; antennae and legs pale bright ochreous, the 4 apical joints of the former fuscous; hinder thighs with a pale pitchy band. (L. 3⁄4-3 l.) Hedges: London district; Lymington: 6.

2286 carulea Ent. H. ii. 55. — Ste. M. iv. 300. — Al. Hydeyami Pz. F. xxi. f. 4. — Ovate; black; above blue: head and thorax faintly punctured, the latter broadish behind; elytra irregularly punctured, the interstices wrinkled; legs pale testaceous, tip of hinder thighs fuscous; antennae with the 4 or 5 terminal joints pale. (L. 11⁄2-1 1⁄2 l.) Hedges: London district; Bristol: 6.

2287 Pseudacori Marsh. i. 196. — Ste. M. iv. 300. — Ovate; black, above deep blue, smooth, shining; head and thorax minutely and thickly punctured; legs black; antennae reddish at the base, black at tip. (L. 11⁄2-1 1⁄2 l.) On Iris pseudacorus: Battersea fields; Weston; S. Wales; Prestwick Car; Dalmen: 6-8.

— Podagrica Chevrolat.

2288 fuseicornis L. ii. 595. — Ste. M. iv. 300. — Ch. rufipes Don. xi. pl. 365. f. 3. — Ovate; black; head, thorax and legs entirely red; elytra greenish-blue, of variable tint, finely and irregularly punctulated; antennae with some of the basal joints red, 2d joint very short. (L. 1 1⁄2-2 l.) Hedges: London district: Near Carlisle; S. Wales: 4-7.

** * Elytra punctate-striate.

2289 aerata Marsh. i. 204. — Ste. M. iv. 301. — Ovate; black; above brassy-black; head and thorax finely punctured; elytra obsoletely striated, the striae somewhat punctured; legs and base of antennae red. (L. 3⁄4 l.) Hedges: London district; Dover; Weston; Rachills: 4-7.

2290 striatula Marsh. i. 205. — Ste. M. iv. 301. — Ovate, black; slightly shining; head and thorax finely punctured; elytra obtusely punctate-striate; legs and antennae entirely red. (L. 1 1⁄2-3 l.) Hedges: London district; Weston: 4-7.

2291 Rubi Fab. E. i. 468. — Ste. M. iv. 301. — Ovate; convex; black; shining; thorax thickly and finely punctured; elytra deeply and regularly punctate-striate, interstices smooth; legs and antennae entirely red; hinder thighs sometimes rather pitchy. (L. 1 1⁄2-3 l.) On brambles, &c.: London district; S. Wales: 5-7.

2292 brunnicornis Ste. M. iv. 301. — Ovate, pitchy-black, shining; thorax rather thickly and finely punctured; elytra somewhat deepely punctate-striate, interstices smooth; legs entirely dull red; antennae pitchy-brown. (L. 3⁄4 l.) Hedges; Ripley: 6.

2293 fuseipes Pz. F. xxi. f. 11. — Ste. M. iv. 302. — Ovate, convex; black; shining; head and thorax black, the latter with a faint impression on each side; elytra greenish-blue, irregularly punctate-striate; base of antennae red. (L. 1 1⁄2-2 l.) Hedges: abundant in London district; Weston; S. Wales: 4-8.

2294 tripudians Kirby — Ste. M. iv. 302. — Ovate, convex; pitchy-brass; head, thorax, tibiae, and base of antennæ red; thighs pitchy; elytra punctate-striate, greenish-blue. (L. 1 1⁄2-1 1⁄2 l.) London district; Bristol; Suffolk: 7-7.

** * * Elytra impunctate.

2295 † Kirbii Ste. M. iv. 302. — Ovate, very smooth, impunctate; yellow, c c 3
elytra and hinder thighs blue-green. (L. 2½ l.) Found after a flood at Livermere, Sufffolk: 6.

2. Tho. with a transverse impression.

* Elytra punctate-striate: — Crepidodera Chevrolat.


2297 flava L. F. 1 ed. No. 535. — Ste. M. iv. 303. — Oblong-ovate, testaceous-red, shining, spotless; eyes black; elytra regularly punctate-striate; legs and antennæ pale testaceous. (L 1⅛-1¾ l.)

Var. IHa. similis Kirby — Ste. M. iv. 303. — Less; pale testaceous-red, elytra somewhat less regularly punctate-striate. Also generally distributed: 4-10.

2298 affinis Ent. H. ii. 35. — Ste. M. iv. 303. — Al. atricilla Pz. F. xxi. f. 8. — Oblong-ovate, moderately convex; black; thorax and elytra pale testaceous, the former faintly punctulate, the latter regularly punctate-striate, the suture, especially in the middle, dark; thighs pitchy, hinder pair black; tibiae, tarsi and antennæ testaceous. (L 1½-1¾ l.) Hedges: London district, and near Carlisle: 4-6.


2300 Modeeri L. ii. 594. — Don. xvi. pl. 569. f. 2. — Ste. M. iv. 304. — Short, ovate, convex, very glossy; brassy; elytra regularly and deeply punctate-striate, the apex more or less broadly luteous or yellow; legs and base of the antennæ testaceous, tip of the hinder thighs pitchy-red. (L ¾-1 l.) Grassly places; Battersea fields; Bristol; S. Wales and W. of England: 6-7.

2301 Rufipes L. ii. 595. — Ste. M. iv. 304. — Ch. ruficornis Don. xi. pl. 365. f. 2. — Ovate; head, thorax, antennæ and legs entirely bright red; elytra bluish-green, deeply punctate-striate, the striae irregular towards the apex; breast and abdomen black. (L 1¼-1¾ l.) Hedges: local; Darenth Wood; Hertford; Dover; Ripley; Epping; Weston; New Walk, York; Meldon Park; Edinburgh, &c.: 6.

2302 Femorata Gyll. iii. 559. ?— Ste. M. iv. 304. — Ovate; head, thorax, tibiae and tarsi bright red; elytra blue, deeply punctate-striate; mouth, thighs, breast, and abdomen black. (L ¾ l.) Near Windsor; Hertford, and in Suffolk: 6.

2303 Nitidula L. i. 594. — Don. viii. pl. 273. — Ste. M. iv. 305. — Oblong-ovate; finely punctured; head and thorax golden-green, very glossy; elytra blue, or green, sometimes coppery, delicately punctate-striate, the striae, especially towards the suture, irregular; legs and base of the antennæ testaceous, apex of the latter and hinder thighs black. (L 1½-2 l.) Willows; near London and Bristol.

2304 Helixines L. ii. 594. — Pz. F. xxi. f. 6. — Ste. M. iv. 305. — Ovate, deeply punctured; brassy-green; thorax golden-green, brassy, or copper, very glossy; elytra regularly and deeply punctate-striate, interstices smooth, bright green, blue, brassy, or coppery, sometimes concolorous with the thorax, at others discolorous; legs and antennæ testaceous-yellow; hinder thighs occasionally with a brown cloud. (L 1¼-2 l.)

Var.? Ch. fulvicornis Fab. E. ii. 447. — Ste. M. iv. 306. — Above entirely
of a brilliant red-copper; legs and antennae bright testaceous-yellow. On willows and poplars: London and Edinburgh districts; Bottisham; Lincolnshire; S. Wales: 4-6.


2306 cyanea Marsh. i. 196. — Ste. M. iv. 306. — Ovate; glossy; head and thorax greenish-blue, minutely punctured; elytra deep blue or violet, rather deeply and regularly punctate-striate; beneath black; legs testaceous, hinder thighs black; antennae testaceous. (L. 1 ½-2 l.) Var.? Ha. gaudeus Kirby. — Ste. M. iv. 306. — Blue, with the antennae and legs entirely yellow. London district and Suffolk: 6.

* * Elytra with scattered punctures, not striate: — Graptodera Chevrolat.

2307 Oleracea L. ii. 593. — Pz. F. xxi. f. 1. — Ste. M. iv. 306. — Oblong-ovate, convex; blue-green; thorax with a long dorsal channel; finely punctured; elytra green, or bluish; sometimes dusky or tinted with brassy; thickly punctured; legs bluish, hinder thighs with a groove beneath; tarsi brown; antennae black. (L. 1½-2 l.) On the cotyledons of plants: London and Edinburgh districts, common; Bottisham; Swansea: 5-9.


481 Thymis Stephens.

2310 4-punctulata Ill. M. vi. 168. — Pz. F. lxxxviii. f. 2. Ste. M. iv. 308. — Ovate; black, obscurely punctured; glossy: elytra with 2 large testaceous spots, 1 basal, the 2d at the tip; legs testaceous-red, hinder thighs black; antennae fuscous, testaceous at base. (L. 1½ l.) On Cynoglopes officinalis: Hertford; Suffolk: 6.

2311 Verbacæ Marsh. i. 200. — Ent. H. ii. pl. 3. f. 8. b. — Ste. M. iv. 308. — Ovate, convex; above pale griseous, shining; forehead with a faint ridge; thorax very glossy: elytra finely punctured, pale, spotless; body beneath pitchy-black; legs pale, hinder thighs obscure dull red, the upper surface and tip brownish. (L. 2 l.) On Verbacæ Thapsus: Twen, Herts; Norfolk; Suffolk; 8-10.

2312 Thapsi Marsh. i. 202. — Ste. M. iv. 308. — Ovate, convex; fuscous, thorax pale griseous; elytra pale, impunctate, suture black; breast, abdomen, and hinder thighs, pitchy-black; tibiae and tarsi brownish; antennae entirely dusky-black. (L. 2 l.) On Verbacæ Thapsus: Norfolk; Suffolk; Swansea: 8-10.

2313 tabida Fab. E. i. 467. — Pz. F. xxi. f. 15. — Ste. M. iv. 308. — Oblong-ovate, shining, convex; pale-yellowish; mouth, eyes, and tip of the antennæ dusky, or blackish; elytra broad, pale yellowish, spotless, thickly but very finely punctulated; legs entirely pale testaceous. (L. 1½-1¾ l.) On Senecio Jacobaea, &c.: London and Edinburgh districts; Southend; Bristol; Kent; S. Wales; Cramond: 6-10.

2314 flavicornis Kirby. — Ste. M. iv. 309. — Oblong-ovate; testaceous-
yellow, faintly punctured; elytra slightly convex, spotless; legs red, antennae pale: eyes black. (L. 1½ l.) Hedges: London district and Suffolk; 6-8.

2315 atricilla L. ii. 594. — Ste. M. iv. 309. — Oblong-ovate, convex; pitchy-black, thickly punctate; head and thorax with a brassy tinge; the latter a little compressed in front; elytra grisco-testaceous, rather deeply punctured, the suture more or less dusky or black; legs testaceous; hinder thighs pitchy-black; antennae pale at the base. (L. 3/4 l.) Hedges: London and Edinburgh districts; York; S. Wales: 6-8.

2316 piciceps Ste. M. iv. 309. — Rather oblong-ovate, slightly convex; pale testaceous, thickly punctured: head pitchy-black; thorax reddish; elytra testaceous, suture broadly black; hinder thighs pitchy-black, rest of the legs and base of antennae testaceous yellow, apex of the latter black. (L. 1 1/4 l.) Hedges: London district; Bottisham, Suffolk; York; S. Wales, &c.: 5-10.

2318 confinis Kirby. — Ste. M. iv. 310. — Ovate, convex, black; thorax rather glossy and smooth, rusty-red; elytra testaceous, finely and rather thickly punctured, the suture entirely fuscous black; antennae at the base and the tibiae pale. (L. 1 1/4 l.) Hedges: London district; Bristol; Rachills: 6-8.

2319 atriceps Ste. M. iv. 310. — Ovate, convex; head fuscous; thorax faintly punctured, livid yellow; elytra pale, finely punctured, the suture concolorous; legs testaceous; antennae livid. (L. 3/4 l.) Hedges: London district; York; Swansea: 6-8.

2320 lutescens Gyll. iii. 546. — Ste. M. iv. 310. — Ovate, rather convex; testaceous-yellow; very finely punctured: head 2-tuberculate; thorax yellowish, slightly glossy; elytra a little emaciated at the tip, with a short waved black streak on the suture in the middle; mouth, eyes, breast and abdomen, and also the tips of the hinder thighs and of the antennae, black. (L. 3/4 l.) Hedges: London district; Bristol; Derby; Swansea: 6-7.

2321 ochroleuca Marsh. i. 202. — Ste. M. iv. 311. — Ovate, slightly convex and punctulated; very pale; head and thorax yellowish, the latter smooth; elytra finely punctured; mouth, eyes, tip of hinder thighs and of antennae black; rest of the legs and base of antennae pale yellowish; breast brown; abdomen pale: forehead with a ridge. (L. 1 l.) Among turnips: London and Edinburgh districts; Bottisham; S. Wales: 6-7.

2322 suturalis Marsh. i. 201. — Ste. M. iv. 311. — Ovate, slightly convex; punctulated; shining black: thorax with a brassy tinge, finely punctured; elytra livid-testaceous, the outer margin and a slender line in the suture black; 4 anterior legs pale; hinder thighs red, black at the tip, their tibiae, tarsi, and base of antennae reddish. (L. 1 l.) Grassy places: London district; S. Wales; Rachills: 6-7.

2323 Nasturtii Fab. E. i. 465. — Ste. M. iv. 311. — Ha. pratensis b. Ent. H. ii. pl. 3. f. 9. — Ovate, moderately convex; pitchy-black, shining; head slightly brassy, and with a frontal ridge; thorax small, glossy black; elytra broad, testaceous, the outer edge and suture more or less broadly dusky-black; disc much punctulate; 4 anterior thighs pitchy-black, their tibiae and tarsi testaceous, hinder pair black, tibiae fuscous, tarsi and base of antennae testaceous. (L. 1 l.) Grassy places: London district: 6-8.

2324 thoracica Kirby. — Ste. M. iv. 312. — Ovate, slightly convex, deep
black, shining; thorax punctate; elytra testaceous, remotely punctate, outer margin and suture black; tibias black; tibiae, tarsi, and base of antennae pale. (L. 1 l.) Hedges: London district; Norfolk; Suffolk: 6-7.

2325 fusciollis Kirby. — Ste. M. iv. 312. — Ovate, fuscieous, shining; thorax finely punctate, brown-brass; elytra wide, obscurely punctured, pale luteo-testaceous, the suture black in the middle; legs testaceous, hinder thighs black; antenna pale, the tip fuscous. (L. 1 l.) Hedges: London district; Bristol; Suffolk: 6-9.


2327 Ballota Marsh. i. 205. — Ste. M. iv. 312. — Ovate, slightly convex, very finely punctured, testaceous, head black; thorax reddish-testaceous; elytra pale testaceous, faintly punctured; suture slightly reddish; legs testaceous; thighs testaceous at base: antennae long. (L. 1 l.) On Ballota nigra: London district; Suffolk; Norfolk; S. Wales: 6-8.

2328 pratensis Pz. F. xxi. f. 16. — Ste. M. iv. 312. — Ovate, convex, black, finely and thickly punctured; head black, or testaceous; thorax pale testaceous, the front edge sometimes black; elytra rather obscurely punctured, pale, rounded on the shoulders and apex; legs and antennae at the base pale, hinder thighs sometimes dusky at tip. (L. 3/4-1 l.) Hedges: London district; Bristol: 6.

2329 pallens Kirby. — Ste. M. iv. 313. — Ovate; convex, very delicately punctured; pale testaceous; eyes black; tip of antennae brownish; elytra distinctly and obscurely punctured; middle of the breast and base of abdomen fuscous; legs pale testaceous. (L. 3/4 l.) Hedges: London district; Raehills: 6-8.

2330 abdominalis Megerle. — Duft. F. A. iii. 262. — Ste. M. iv. 313. — Ovate, convex, very finely punctured; pale yellow; head and thorax very slightly reddish; elytra pale, spotless; eyes, breast, and abdomen black; legs pale; hinder thighs slightly dusky; antennae brownish, the base pale. (L. 3/4 l.) Hedges: Ripley and other parts of London district: 6-7.

2331 pusilla Gyll. iii. 549. — Ste. M. iv. 313. — Ovate; convex; pitchy black; forehead with a ridge: thorax pitchy-red, the lateral and hinder margins brownish; elytra very convex, pale testaceous, slightly shining, spotless, faintly punctured; legs testaceous; hinder thighs more or less fuscous or black at the tip; antennae fuscous, the base pale. (L. 3/4 l.) Hedges: London district; Bristol; Suffolk: 6-7.

2332 collaris Ste. M. iv. 313. — Ovate, convex, finely and deeply punctate; pitchy-red, or rusty-piceous; thorax glossy, rather coarsely punctured; elytra pale reddish testaceous; breast and abdomen densely black; legs and antennae wholly pale testaceous; eyes black. (L. 3/4 l.) Hedges: Ripley and other parts of London district: 6-7.

2333 lurida Gyll. iii. 537. — Ste. M. iv. 314. — Ovate, convex; pitchy-black; head and thorax finely punctured; elytra brown or dull-red, thickly and deeply punctured, the apex of each rounded; legs livid testaceous; hinder thighs more or less dusky at tip; antennae livid testaceous, the tip black. (L. 3½-1 l.) Grassjy places: London and Edinburgh districts; Bristol; Devon; Swansea; Cramond: 6-7.


2335 brunnea Duft. F. A. iii. 260. — Ste. M. iv. 314. — Ovate, convex, punctured; chestnut-brown; mouth black; elytra rather coarsely punc-
tured; base of antennæ and legs dull-red, apex of the former brownish, and of the hinder thighs black. (L. I l.) Hedges: London district: 6.


2337 fuscescens Kirby. — Ste. M. iv. 315. — Ovate, convex, thickly punctate, livid testaceous, shining, obscure beneath; thorax sometimes reddish; elytra brownish; 4 anterior legs, hinder tibiae and tarsi, and base of antennæ pale livid testaceous; hinder thighs and tip of antennæ dusky. (L. I l.) Hedges: London district; Swansea; Raehills: 6-7.

2338 nigricans Kirby. — Ste. M. iv. 315. — Ovate, dusky-piceous, slightly shining; finely punctured; thorax rather glossy; elytra with the dorsal punctures coarse, disc and apex deep pitchy-black; legs and antennæ entirely pale testaceous. (L. ⅝-1 l.) Hedges; on Ballota nigra, &c.; London district; Bristol; Suffolk; S. Wales; Raehills: 6-8.

2339 leta Kirby. — Ste. M. iv. 315. — Oblong-ovate, deep pitchy; slightly shining; thorax somewhat reddish, glossy; elytra thickly and rather coarsely punctured, the tip pitchy; antennæ, tibiae, and tarsi red; hinder thighs pitchy. (L. I l.) Hedges: London district; Suffolk; Weston, Oxon: 6.

2340 atricornis Ste. M. v. 423. — Ovate; deep black; rather glossy; elytra pitchy, very obscurely punctured; legs and antennæ deep black. (L. I l.) Hedges: London district: 6.

2341 dorsalis Fab. E. i. 465. — Ent. H. ii. pl. 3. f. 7. — Ste. M. iv. 315. — Oblong: head black; thorax transverse, somewhat orbiculate, pale testaceous; elytra black, punctured, the entire margin broadly testaceous; legs black; antennæ pitchy, base dull testaceous. (L. 1-1½ l.) Sandy hedges: Bexley; Darenth; Southend: 6-7.

2342 AnchusæPk. F. ii. 101. — Ste. M. iv. 316. — Ovate, convex; black, rather shining; head and thorax finely punctured; elytra shortish, thickly and coarsely punctured, apex of each rounded and gaping; thighs black, tip of the anterior, with the tibiae and tarsi, pale testaceous; antennæ black, the basal joint brownish, the 4 or 5 following pale. (L. I l.) Hedges: London district; Bristol: 6-7.


2344 parvula Ent. H. ii. 59. — Ste. M. iv. 316. — Ovate; black; above pitchy-black, or pale piceous, very faintly punctured; rather glossy; elytra more distinctly punctured, moderately convex; legs and base of antennæ pale griseous; hinder thighs and tip of the antennæ brownish. (L. ⅔ l.) Hedges: London district: 6.

2345 Pulex Marsh. i. 204. — Ste. M. iv. 316. — Oblong-ovate; deep black, glossy; finely and irregularly punctulate; antennæ and tibiae red; thighs black. (L. 1-1½ l.) Grassy places: London district; S. Wales: 6-7.

2346 hilaris Kirby. — Ste. M. iv. 316. — Somewhat oblong-ovate; very black, shining, and glabrous; thorax moderately convex and very faintly punctulate; elytra obtuse at the apex, very glossy, finely punctured throughout, the apex concolorous; antennæ and legs entirely pale testaceous. (L. I l.) Hedges: London district; Suffolk; Norfork; Raehills: 6-7.

Ovate, convex; black; shining; thickly punctured; thorax nearly convex; elytra coarsely punctured, each with a round red spot near the apex, nearly extending to the apex itself; thighs black, tip of anterior sometimes, with their tibiae and tarsi reddish, posterior picaceous; antennae red at the base. (L. 1 l.) Marshy places, on Pedicularis lacustris: London district; S. Wales; Newcastle; Raehills: 6-7.

482 Mantura Stephens.

2348 rustica L. ii. 595. — Ste. M. iv. 322. — Black, shining; thorax small, obsoletely punctured, the base with a short furrow on each side; elytra faintly punctate-striate, the apex pitchy-testaceous; legs testaceous; hinder thighs dusky; antennae picaceous. (L. 1 l.) Hedges: Hertford; Epping: 6.

2349 semiænea Fab. E. i. 448. — Ste. M. iv. 323. — Very convex; mouth pitchy; thorax greenish-brass, faintly punctured; with a short oblique furrow on each side of the base; elytra regularly punctate-striate, interstices smooth, dull blue, the apex more or less dull red, sometimes ferruginous, with the suture and base alone blue; legs testaceous; hinder thighs large and greenish-black; antennae black, base dull red. (L. 1-1½ l.) In marshy places: Ripley; Bristol; S. Wales; Norfolk: 6-7.

2350 Mannerheimii Gyll. iv. 664. — Ste. M. iv. 323. — Greenish-blue; mouth black; thorax thickly and faintly punctured; the base with an obscure fovea in each side; elytra shining blue, punctate-striate on the outer margin and on the apex, the back irregularly punctate; thighs blue-black; tibiae and tarsi dull testaceous; antennae black, the basal joint palisht. (L. 1-1½ l.) Hedges: London district; Suffolk: 6.

2351 obtusata Gyll. iii. 379. — Ste. M. iv. 323. — Blue-black; forehead with a transverse channel; thorax thickly and finely punctured, the base with a very short oblique furrow; elytra deep blue, regularly and densely punctate-striate; interstices smooth; apex obscure; tibiae and tarsi dull-red; 4 anterior thighs pitchy-black, hinder pair blue; antennae black, the 4 basal joints dull-red. (L. 1 l.) Hedges: London district; Norfolk; Bristol: 6.

2352 Chrysanthemi Ent. II. ii. 45. — Ste. M. iv. 324. — Very convex; brown brass; slightly shining; forehead with an obscure channel; thorax very thickly and finely punctulate, with a short furrow on each side of the base; elytra regularly and rather deeply punctate-striate; interstices smooth; apex indeterminately brassy-testaceous; legs dull-red, hinder thighs darker and tinted with brassy; antennae testaceous, the tip dusky. (L. 3½-1 l.) Hedges: London district; Bristol; Raehills: 6.

2353 aenea Marsham. — Ste. M. iv. 324. — Above brassy; head and thorax deeply punctured; the base of the latter with a faint furrow on each side; elytra moderately punctate-striate, interstices obscurely punctured; antennae and legs ferruginous; hinder thighs slightly tinted with brassy. (L. 1 l.) London district: 6.

483 Macrocnema Megerle.

§ A. Elytra punctate-striate.

2354 Dulcamare Ent. II. ii. 49. pl. 2. f. 5. — Ste. M. iv. 318. — Obovate, rounded behind, deep blue black, shining; crown greenish, with a semi-circular impression; thorax thickly punctured on the margin, the disc scarcely punctured; elytra broad, flattish, faintly and regularly punctate-striate, interstices faintly punctured; legs black, hinder thighs blue, glossy; antennae red at the base. (L. 1¾ l.) London district: 6.
2355 chalcemera Ill. M. vi. 75. — Ste. M. iv. 318. — Short, ovate, above blue, beneath brassy; thorax sparingly punctate; elytra moderately punctate- striate, interstices punctured; abdomen coarsely punctured beneath; base of antennae and the tibiae fuscous; thighs brassy. (L. 1½ l.) London district; Ripley: 6.


2357 Napi Gyll. iii. 567. — Ste. M. iv. 318. — Ovate, slightly narrowed behind; black: above blue-black; thorax obscurely but thickly punctured; elytra regularly punctate-striate, interstices very obsolescently punctured; legs pale testaceous, hinder thighs blue-black; antennae fuscous, the base testaceous beneath. (L. 1½-1¼ l.) Gardens, &c.: London and Edinburgh districts; S. Wales: 6.

2358 unimaculata Cur. xi. pl. 486. — Ste. M. v. 424. — Oblong-ovate; blue or greenish; thorax finely punctured, and with some larger impressions; elytra punctate-striate, interstices minutely punctured; legs bright ochreous; hinder thighs brassy-black, with the tip and a round spot at the base within dull red, the other thighs somewhat brassy at the base; antennae with the 3 basal joints dull red. (L. 1½-2 l.) Hedges: London district; Whittlesea Mere; Isle of Wight: 6-7.

2359 Rapae Ill. M. vi. 174. — Ste. M. iv. 319. — Oblong-ovate; deep-blue, darker beneath; thorax moderately punctured; elytra punctate-striate, interstices impunctate; 4 anterior legs, and the hinder tibiae and tarsi, testaceous; hinder thighs black, red at the base; antennae fuscous, the base testaceous. (L. 1½ l.) Gardens: London district: 6.


2364 marcida Ill. M. vi. 175. — Ste. M. iv. 320. — Ovate; testaceous; thorax punctured, with a metallic gloss; elytra punctate-striate; legs pale, hinder thighs dusky, the apex brassy; hinder tibiae broad at the
apex, with a small tooth in the middle of the outer margin. (L. 1½ l.)

Dibolia. — Cardiapus. 301

London district; Southend: 4-7.

2265 picicornis Kirby. — Ste. M. iv. 321. — Ovate, pitchy-brass; thickly punctured; elytra faintly punctate-striate, interstices thickly punctured; thighs pitchy-brass, the 4 anterior with the tips, and all the tibiae and tarsi, testaceous; antennae pitchy, the base reddish. (L. 1¼-1½ l.) Gardens: London district; Southend; Suffolk: 6-7.

2266 apicalis Ste. M. iv. 321. — Ovate, convex; brassy-black, shining; elytra finely punctate-striate, the tip pitchy; antennae entirely and legs pale testaceous-yellow, the hinder thighs black. (L. 1½ l.) London district: 6.

2267 exoleta L. ii. 594. — Ste. M. iv. 321. — Ovate, testaceous; head black or pitchy; thorax very convex; elytra punctate-striate, the suture more or less dusky or black; abdomen black; legs testaceous; hinder thighs large, the lower margin obtusely angulated, the tip more or less black, or dusky; antennae pale, the apex dusky. (L. 1-½ l.) Grassy places: London district; Bottisham; Weston: 5.

2268 pallida Zeigler? — Ill. M. vi. 176. — Ste. M. iv. 321. — Ovate; testaceous; head reddish; eyes black; thorax very convex; elytra punctate-striate, pale, the suture concolorous; abdomen brownish at the base; legs pale; tip of hinder thighs brownish. (L. 1-½ l.) Hedges: London district; Norfolk; Suffolk; Weston; Yorkshire: 6.

§ B. Elytra punctate, not striate.

2270 Echii Ent. H. ii. 32. pl. 3. f. 3. — Ste. M. iv. 424. — Oval; greenish; elytra narrowed behind and rounded; shorter than the abdomen, disc irregularly punctured; tibiae, tarsi, and antennae at the base red. (L. 1½ l.) On Echium vulgare: Bristol: 6.

484 Dibolia Latreille.

2271 Cynoglossi Ent. H. ii. 20. pl. 1. f. 2. — Ste. M. iv. 325. — Oblong-ovate; greenish-brass; punctured; the punctures on the elytra rather coarse and disposed in striae; 4 anterior legs dull testaceous, hinder thighs greenish-brass; hinder tibiae brownish, their base and appendages, and the tarsi, paler; antennae fuscous, with the base reddish. (L. 1½ l.) On Cynoglossum officinale; Bristol: 6.

2272 occultans Ent. H. ii. 23. pl. 2. f. 4. — Ste. M. iv. 325. — Oblong ovate; black, above bluish or brassy, shining; thorax thickly punctured; elytra coarsely punctate-striate; legs black, tarsi pitchy; hinder thighs bluish; antennae dusky, the base reddish. (L. 1½ l.) Hedges: London district: 6.

485 Cardiapus Curtis.

2273 Mathewsi Cur. x. pl. 435. — Ste. M. iv. 424. — Above deep blue or green, very glossy; head, sides, and hinder portions of the thorax, minutely punctured; elytra deeply punctate-striate; legs rather tawny; thighs and antennae black, tip of the basal and of the 3 following joints of the latter tawny. (L. 1½ l.)

Devil's Ditch, Cambridge; Ockbrook, Derbyshire; Windsor and in Kent: 6-7.

486 Chætocnema Stephens.

2374 aridella Ent. H. ii. 41, pl. 3. f. 2. — Ste. M. iv. 326. — Oblong-ovate; dull brassy; head rather deeply punctured; thorax the same, transverse; antennæ somewhat regularly and deeply punctate-striate; legs testaceous, apex of the tibiae fuscous, thighs blackish-brass; antennæ testaceous at the base. (L. 3/4-1 l.) Hedges: London district; Bristol: 6.

2375 Sahlbergii Gyll. iv 662. — Ste. M. iv. 326. — Oblong-ovate; greenish-blue; head and thorax deeply punctured, the latter very slightly elongated, shining, and globose; antennæ punctate-striate, the striae for the most part regular; tibiae and tarsi dull red; thighs brassy; antennæ black, the lower joints dull red at the base. (L. 1 l.) Hedges: Ripley: 6.

2376 aridula Gyll. iv. 663. — Ste. M. iv. 326. — Oval; dull brassy; head and thorax very finely punctured, the former a little elongate; antennæ striated, the striae composed of punctures very irregularly disposed on the back, and the lateral ones rugulose; legs short, dull red; thighs brassy, tibiae dusky at base; antennæ black, the 3 basal joints dull red, the basal one with a black line above, and the second with a black dot. (L. 3/4-1 l.) Hedges: London district: 6.

2377 concinna Marsh. i. 196. — Ste. M. iv. 327. — Ha. dentipes Ent. H. ii. pl. 3. f. 1. — Oval; slightly convex; black, above greenish-brass; thorax thickly and moderately punctate, and with an obscure fovea on each side at the base; antennæ rather deeply and regularly punctate-striate, interspaces flat and smooth; legs dull red, thighs black, hinder brassy; antennæ dull red at base. (L. 3/4-1 3/4 l.) Hedges, &c.: generally distributed: 6.

2378 pieipes Kirby. — Ste. M. iv. 327. — Oval; slightly convex; entirely black, or violet; thorax finely punctured; antennæ rather moderately punctate-striate, interspaces faintly punctulate; tibiae and tarsi pitchey; antennæ dusky, base pitchey, (L. 1 l.) Hedges: London district; Bottisham: 6.


487 Sphæroderma Stephens.

§ A. Thorax without a transverse furrow. 1. Elytra punctate.


2382 orbiculatum Marsh. i. 200. — Ste. M. iv. 329. — Ovate-hemispheric; head and thorax very thickly punctured, greenish-brass, or violet; antennæ
the same, distinctly punctate-striate; body brassy-black beneath; legs rusty-red, hinder thighs greenish-brass, or violet; antennae red. (L 1-1\(\frac{1}{2}\)) Grassy places: Coombe and Darenth woods, &c.; Weston; S. Wales; Raclills: 4-8.

2385 globosum Pz. F. xxv. f. 13. — Ste. M. iv. 329. — Somewhat hemispheric; black, shining, head and thorax finely punctured; elytra faintly punctate-striate; legs pitchy-red, hinder thighs black; antennae pale pitchy-red. (L 1\(\frac{1}{2}\)) Grassy places: London district: 6.

§ B. Thorax with a transverse furrow.

2384 Mercurialis Hellwig. — Ill. M. vi. 117. — Ste. M. iv. 330. — Oval-hemispheric; shining black; above deep blue, and very finely punctured; thoracic furrow terminating at each end in a fovea; legs black, hinder thighs bluish; antennae pitchy-red at the base. (L 3\(\frac{3}{4}-1\frac{1}{4}\)) On Mercurialis perennis: Darenth Wood; Hertford; Bristol; S. Wales: 6.

488 Mniohila Stephens.

2385 Musocorum Ent. H. ii. 48. pl. 2. f. 12. — Ste. M. iv. 330. — Oval-globose; deep shining brassy-black; elytra punctate, punctures somewhat disposed in strie and not very deep; legs and antennae entirely red. (L 1\(\frac{1}{2}\)) In moss: London district, at Birch Wood and Highgate: 10-7.

Fam. 58. CHRYSONELIDÆ Leach.

(ecce lemon. Colaspis Head vertical, retracted: ant. nearly as long as the body, somewhat filiform, being slightly thickened at the apex: palpi filiform: body ovate: legs moderate.)

ccece. Eumolpus Head vertical, retracted: ant. nearly as long as the body, thickened at the tips: palpi with the apex incrassate: eyes prominent: tho. narrower than the elytra, gibbous: body elongate-ovate: legs longish.

ccececi. Cryptcephalus Head small, vertical, retracted: ant. as long as the body, filiform, simple: tho. globose, nearly as wide as the elytra, the latter not covering the apex of the abdomen: body short, cylindric: legs short.


ccecececi. Melasoma Head exserted: small; ant. short, somewhat clavate and compressed: palpi filiform, truncate: tho. transverse, much narrower than the elytra, the latter ample: wings 2.

ccececexiv. Timarcha Head exserted, small: ant. moderate, moniliform: palpi long, terminal joint somewhat hatchet-shaped: elytra soldered together: body nearly hemispheric: wings 0.

ccececexv. Chrysomela Head exserted: ant. shortish, gradually thickening to the apex: palpi somewhat hatchet-shaped: tho. transverse, nearly as wide at the base as the elytra: body very convex: wings 2.

ccececevii. Helodes Head exserted, narrowed in front: ant. scarcely longer than the tho., the latter 4-irate, slightly notched in front: palpi thickened in the middle: body elongate, somewhat linear, flattish: legs very short: wings 2.

ccececevii. Phaedon Head exserted, small: ant. moderate, thickened at the apex: palpi filiform, apex acute or obtuse, not truncate: tho. transverse: body oblong-ovate, or somewhat hemispheric: wings 2.

(489 Colaspis Fabricius.)

(2386 ‡ flavicornis Fab. E. i. 412. — Ste. M. iv. 364. note. — Brassy-green; punctate; beneath brassy-black; antennae and legs yellow; elytra
rather punctate-striate. (L. 2½ l.) Erroneously recorded in the British list.)

490 Eumolpus Fabricius.

§ A. Bromius Chevreulat.

(2387 § Vitis Fab. E. i. 422. — Pz. F. lxxix. f. 12. — Ste. M. iv. 363. note. — Black; pubescent; punctured; the base of the antennae, sometimes the tibiae, the middle of the thighs, and the elytra, bright-red-brown; forehead with a channel, and the elytra obscurely striated. (L. 3 l.) Improperly indicated as British.)

2388 § obscurus L. ii. 599. — Pz. F. v. f. 12. — Ste. M. iv. 363. — Black, rather obscure; slightly pubescent; very thickly punctulated; thorax somewhat globose; elytra rather 4-drate, with a transverse impression, shoulders elevated; antennae dull red at the base. (L. 3 l.) Said to be found in Lincolnshire: 6.

§ B. Eumolpus pr. ?

2389 Dillwynii Ste. M. iv. 364. pl. xxiii. f. 3. — Brassy copper, shining; thorax transversely wrinkled; elytra somewhat unequal, shoulders angular, the disc irregularly punctate-striate, interstices rather wrinkled; each elytra with 2 bronzed depressions; tarsi and tip of antennae fuscous. (L. 2½ l.) On a hedge bank, near Penallergare, between Tyrdonkin and Cefnadley, S. Wales: 7.

2390 § Badgeri Waterhouse. — Ste. M. iv. 408. — Brassy-black; above green, head and thorax delicately punctured; the latter very convex; elytra very coarsely and irregularly punctured throughout, especially near the shoulders, the lateral margins raised and of a golden hue; antennae and legs pitchy-testaceous. (L. 2½ l.) Cambridgeshire: 6.

491 Cryptocoephalus Geoffroy.

§ A. Tibie compressed, dilated at the tip: — Disopus Chevreulat.


§ B. Tibie simple, not compressed: — Cryptocoephalus pr.

1. Elytra with dispersed punctures.

2392 6-punctatus Fab. E. ii. 46. — Pz. F. lxviii. f. 7. — Ste. M. iv. 356. — Black; forehead with a luteous spot; thorax yellowish or testaceous, varied or spotted with black; elytra testaceous-red, margins black, the disc of each with 3 irregular black spots — of variable size; — thiglis with a white dot towards the tip; base of the antennae testaceous beneath. (L. 2½-3 l.) Hazel and birch: Darenth Wood and Raehills: 6.


2394 Histrio Fab. E. ii. 55. — Oliv. E. v. 96. pl. 3. f. 31. — Ste. M. iv. 356. — Black; thickly punctured; head yellow, crown and a frontal dash black; thorax and elytra varied with yellow; legs dull red, base of thighs and sometimes the outer edge black, apex with a yellowish spot; base of antennae dull red. (L. 2-2½ l.) Rochford, Essex; Banks of Wye: 6.

Very glossy; silken-green, more or less tinted with gold, brass, or blue; thorax finely, and elytra roughly, punctured; abdomen with a slight impression on the anal segment in the $\delta$, and a deep one in the $\varphi$; legs green; antennæ black. (L. 3-4 l.) On Hieracium, &c.: pretty generally distributed throughout the country: 6.

2996 similis Leach. — Ste. M. iv. 357. — Shining, green, tinted above with blue or brassy, obscure beneath; thorax finely, and elytra roughly punctured; abdomen with the anal segment entire in both sexes; legs brassy; antennæ brassy black. (L. 2$\frac{1}{2}$-3 l.) On Flowers: London district; Rochester; Chevening: 6.

2997 nitens L. ii. 598. — Pz. F. lxviii. f. 8. — Ste. M. iv. 358. — Above deep blue or green, shining; mouth and 1 or 2 adjoining spots yellow; thorax very smooth and glossy; elytra deeply punctured; antennæ yellow at the base; $\delta$ with 2 streaks on the crown and the 4 anterior legs yellow, hinder pair black; $\varphi$ with all the legs yellow. (L. 2$\frac{1}{2}$ l.) Near London and in Devonshire: 6.

2. Elytra distinctly punctate-striate.

2998 bipustulatus Fab. E. ii. 54. — Cur. i. pl. 35. — Ste. M. iv. 358. — Black, shining; thorax smooth, very glossy; elytra moderately shining, the apex with a waved red spot; base of the antennæ pitchy. (L. 3-2$\frac{1}{2}$ l.) Heaths: near Lyndhurst: 6-7.

2999 Lineola Fab. E. ii. 44. — Samou. pl. 2. f. 15. — Ste. M. iv. 358. — Black, shining; thorax smooth, glossy; elytra red, with the margins and suture black, and a broad dash of the same on the disc; antennæ rather pitchy at the base. (L. 2$\frac{1}{2}$-3$\frac{1}{2}$ l.) On Hazel, oak, &c.: London district; New Forest; Birchfield, Kent; Yorkshire; S. Wales; rare in Scotland: 6.

2400 nigripennis Ste. M. iv. 359. pl. xxiii. f. 5. — Cr. bothicus Herbst. A. 44. pl. 8. — Red, shining; crown; apex of antennæ, tarsi, elytra, and 2, 3-angular spots on the thorax, black. (L. 2$\frac{1}{2}$ l.) Rochford, Essex: 6.

2401 Moraei L. ii. 597. — Pz. F. lxviii. f. 11. $\varphi$. — Ste. M. iv. 359. — Black; elytra with 2 testaceous-yellow marginal spots, varying in size: $\delta$ with a cruciform mark on the head, and the anterior margin of the thorax yellow; a yellowish line on the anterior thighs; tibiae pitchy; $\varphi$ with the thorax spotless; head with 2 yellow spots. (L. 2-3 l.) On Hypericum perforatum: Coombe Wood; Colney Hatch; Swansea; Kimpston; Bath; Monk's Wood; Devil's Ditch; Castle Eden Dean: 6-7.


2403 flavilabris Fab. E. ii. 51. — Ste. M. iv. 360. — Violet-blue; mouth yellow; thorax thickly punctulated, glossy; legs bluish or brassy-green; antennæ black, the base testaceous. (L. 1$\frac{1}{2}$-2 l.) On birch: Darent and Birch woods: 6-7.

2404 † Barbarea L. ii. 598. — Ste. M. iv. 360. — Deep black; beneath bluish; mouth yellowish; thorax shining; antennæ fuscous, with the base dull red. (L. 2 l.) On the barberry: Suffolk and Devon: 6.

2405 punctiger Ph. F. i. 146. — Ste. M. iv. 360. — Black; mouth, a 2-lobed spot on the forehead, anterior edge of the thorax, and 4 anterior legs, bright yellow; elytra blue, deeply punctate-striate; line on the anterior thighs and the tip of antennæ black, base of the latter testaceous. (L. 1$\frac{1}{2}$-2 l.) On the sallow: Darent Wood: 6-7.

2406 frontalis Marsh. i. 211. — Ste. M. iv. 360. — Black; shining; fore-
head with a 2-lobed spot, anterior margin, angles, and a portion of the lateral margin of the thorax, apex of the scutellum, and outer edge of the elytra at the base, yellow; 4 anterior legs dull yellow, with a dusky line on the thighs; base of antennæ testaceous. (L. 1 1/2 l.) London district and Suffolk: 6.

2407 labiatus L. ii. 598. — Pz. F. lxviii. f. 9. — Ste. M. iv. 361. — Black; shining; mouth, base of the antennæ and anterior legs, yellow; thorax very smooth and glossy; elytra deeply punctate-strate at the base, the apex smooth; anterior thighs frequently brownish above; hinder tibiae sometimes yellowish. (L. 1 1/2 l.) Oaks: London district; Monk's Wood; Newcastle; Frostenden; New Forest; &c. : 6-7.

2408 exilis Schüppel. — Ste. M. iv. 361. — Black; shining; mouth and base of the antennæ yellow; thorax impunctate, very glossy; elytra faintly punctate-strate to the apex; legs deep pitchy, anterior sometimes pale. (L. 1-1 1/4 l.) Oaks: London district; Devonshire: 6.

2409 bilineatus L. ii. 597. — Ahr. F. vii. f. 8. — Ste. M. iv. 361. — Black; thorax finely wrinkled, slightly shining; anterior and lateral margins yellow, the last sometimes interrupted, base occasionally with 2 yellow dots; elytra yellow, deeply punctate-strate; the suture broadly black nearly to the apex; and the disc of each with a broad black streak; legs pale testaceous: ♂ with the forehead yellow, with 2 black streaks; ♀ with it black, and with 2 yellow dots. (L. 1-1 1/4 l.) Sandy places: Dorking; Bristol; W. of England, and Norfolk: 6-7.

2410 minutus Fab. E. ii. 57. — Ste. M. iv. 362. — Ch. marginella Don. x. pl. 335. ♀. — Shining: head, base of antennæ and legs, testaceous; thorax very smooth, tawny; elytra pale ochreous, sometimes with the suture, and a blotch near the apex, black; breast, abdomen, and tip of the antennæ, black: — ♀ narrower, with the elytra more or less clouded with black at the apex; antennæ slender. (L. 1-1 1/2 l.) Sandy places: Coombe Wood; Ripley; Sydenham; Bristol; S. Wales; Newcastle; &c.: 3-7.

2411 ochraceus Curtis, fo. 35. — Ste. M. iv. 362. — Ochreous; thorax fulvouscent, very smooth; elytra spotless, pale ochreous; body beneath dusky, the tip testaceous; base of antennæ and the legs pale ochreous; tip of antennæ fusceous. (L. 1 1/4 l.) Sandy places: London district and Suffolk: 6.

2412 gracilis Fab. ii. 57. — Pz. F. xviii. f. 5. — Ste. M. iv. 362. — Black; head, base of antennæ and thorax, tawny; elytra black, the outer margin with a pale ochreous streak, widest at the base; legs tawny-testaceous, tip of antennæ black. (L. 1-1 1/2 l.) Sandy places: Darenth Wood and Devonshire: 6.

492 Clythra Laicharting.

§ A. Legs stout, shortish; tibia straight: — Clythra pr.

2413 4-punctata L. ii. 596. — Don. iv. pl. iii. f. 1, 2. — Ste. M. iv. 354. — Black, shining; elytra testaceous-red; each with 2 black spots, the apical one irregular and sometimes broken; 2d and 3d joints of the antennæ testaceous. (L. 5 l.) Oaks: Peckham; Epping; Hertford; Hants; near Newcastle: 6-7.

§ B. Legs slender, elongate; tibia bent; anterior elongate in ♀.


2414 longipes Fab. E. ii. 28. — Ent. Tr. (Leach.) i. pl. 8. f. sup. ♀. — Ste. M. iv. 355. — Black, obscure; elytra pale testaceous,
each with 3 black spots; antennae with 2d and 3d joints testaceous; \( \delta \) with anter. legs elongate. (L. 5½ l.) Sidmouth; Devon: 6.

2. Elytra not spotted; mandibles large, bent, remote: — Labidostomis Cherrolat.

2415 taxicornis Fab. E. ii. 34. — Ste. M. iv. 354. — Pet. I. C. pl. 1. f. 8. — Blue-black, very finely punctured; thorax with the lateral margins irregularly serrated; the base with the hinder angles slightly raised; elytra pale testaceous, spotless; antennae elongate, compressed, deeply serrated, and entirely black: — \( \delta \) with anter. legs elongate, tibiae bent. (L. 5 l.) Locality not known.

2416 3-dentata L. ii. 596. — Pz. F. xlvii. f. 12. — Ste. M. iv. 354. — Cl. longimana Pz. F. xlvii. f. 11. \( \vartheta \). — Blue-green, very much punctured; thorax with its lateral margins entire, rounded; elytra entirely pale testaceous; antennae blue-black, 2d and 3d joints dull testaceous; anterior legs elongate in both sexes; tibiae bent. (L. 4-4½ l.) On sallow: Coombe Wood; Darenth; Worcestershire; Roseberry Topping, Yorkshire: 6.

(2417 \( \ddagger \) Hordei Fab. E. ii. 41. — Ste. M. iv. 355. — Blue-black, shining; punctured; head very broad, forehead brassy; base of the antennae red. L. 1\( \frac{3}{4} \) l.) Taken at Glasgow: probably imported.)

493 Melasoma Dilbreyi.

§ A. Elytra punctate; thorax with sides thickened.

2418 Populi L. ii. 390. — Mart. C. pl. 15. f. 18, 19. — Ste. M. iv. 350. — Blue-black; shining; thorax with disc impunctate; elytra very finely punctulate, red, with the tip of the suture black; tarsi and tip of antennae black. (L. 5-6 l.) On poplars: generally distributed: 5-6.

2419 Tremula Fab. E. i. 434. — Ste. M. iv. 350. — Greenish-blue, shining; thorax absolutely punctured; elytra testaceous-red, spotless, thickly and coarsely punctured; tip of antennae fuscous. (L. 4-5 l.) On aspens and willows: abundant in London district, at Highgate, Darenth, &c.; Monk’s Wood; Cambridge; S. Wales: 6-10.


2420 20-punctata Fab. E. i. 442. — Pz. F. vi. f. 10. — Ste. M. iv. 351. — Oblong-ovate; blue-black; thorax brassy-green, the sides ochreous; with a brassy dot; elytra ochreous, each with 10 dissimilar spots, and the suture brassy; base of thighs reddish; tarsi with an ochreous ring. (L. 4 l.) Locality not known.

(2421 \( \ddagger \) Lapponica L. ii. 591. — Pz. F. xxiii. f. 13. — Ste. M. iv. 351. note. — Oblong-ovate; brassy-green; elytra testaceous-red, the suture, an irregular patch at the base, a slightly waved band in the middle, and an arch within the apex, blue. (L. 4 l.) Indicated erroneously as British.)

2422 aenea L. ii. 587. — Pz. F. xxv. f. 9. — Ste. M. iv. 351. — Ovate; brassy-green, brightest above and very glossy; thorax with the disc coarsely punctured, the lateral margins slightly thickened; elytra with a fold at the base, sometimes tinted with gold or copper, finely punctured; apex and sides of the abdomen reddish; basal joints of the antennae red: — the colour of the upper surface varies from green to bright blue and gold colour. (L. 3 l.) Chatsworth, Derbyshire; and in the S. of Scotland, about Raehills: 6.

2423 cuprea Fab. E. i. 432. — Pz. F. xxv. f. 8. — Ste. M. iv. 351. — Somewhat oblong-ovate; brassy-green, with a golden tint, glossy; thorax
with disc faintly punctured, the sides much thickened; elytra ample, gibbous, plicate at the base; irregularly and thickly punctured, coppery-green; sides and tip of abdomen reddish; base of antennae pitchy-red. (L. 4½ l.) N. of England: 6.

494 Timarcha Megerle.

2424 laevigata L. ii. 678. — Wood. i. pl. 26. — Ste. M. iv. 348. — Dark purple, obscure, sometimes tinted with greenish, shining beneath; the entire surface covered with minute nearly uniform punctures; legs and base of antennæ slightly tinted with violet. (L. 7-8½ l.) Hedges and heaths; pretty generally distributed throughout the south: 2-10.

2425 coriaria Fab. E. ii. 424. — Pz. F. xlv. f. 2. — Ste. M. iv. 349. — Slightly shining; black above, occasionally with a violet or purplish tinge; above deeply, thickly, and irregularly punctured, the punctures mostly united; legs and basal joints of the antennæ violet. (L. 3½-5 l.) Heaths, hedges, &c.: generally distributed in the south: 2-10.

495 Chrysomela of Authors.

§ A. Elytra punctate. 1. Thorax with the lateral margins not thickened.

2426 grettingensis L. ii. 586. — Don. viii. pl. 286. f. 2. — Ste. M. iv. 348. — Ovate; above rich violet, or purplish, covered throughout with minute punctures, in parts faintly disposed in lines; thighs and tibiae violet, apex of the latter reddish; tarsi, palpi, and base of antennæ testaceous-red. (L. 3-4½ l.) Rather local: Hertford; Edinburgh: 3-4.

2427 haemoptera L. ii. 587. — Mart. C. pl. 15. f. 22. — Ste. M. iv. 347. — Ovate, gibbous; blue black, sometimes rather brassy above; thorax obsolescently punctured; elytra rather coarsely punctured, and the punctures disposed in irregular strie towards the sides and suture: antennæ pitchy-red at the base, or entirely griseous; wings red. (L. 3-4 l.) Sandy coasts: Southend; Sheppy; Isle of Wight; Teignmouth; Arthur’s Seat, &c.: 4-8.

2428 varians Fab. E. i. 433. — Ste. M. iv. 347. — Ch. Marshami Don. viii. pl. 286. f. 1. — Ovate; convex; beneath shining, violet-blue, greenish, or brassy; above splendid copper, golden, brassy-brown, blue, blue-green, violet, or black; sides of thorax faintly thickened, disc obsolescently punctured; elytra thickly and irregularly punctured; legs violet; antennæ with the base concolorous with the other parts. (L. 2½-3½ l.) Grassy places: Coombe Wood; Darenth; Monk’s Wood; W. and N. of England; S. Wales; Scotland: 5-6.

2429 cerealis L. ii. 558. — Ste. M. iv. 346. pl. xxiii. f. 4. — Oblong-ovate; above golden, beneath purple-violet: thorax punctured, golden-copper, with the sides and a dorsal line blue; elytra deeply and thickly punctured, bright coppery-gold, the suture, a broad central streak, and 1 or 2 slender stripes bright blue, legs and antennæ violet: sometimes brassy-griseous-brown, the elytra with 3 darker streaks, their outer edge blue. (L. 3½-4½ l.) Mountainous districts: Snowdon, &c.: 6.

2430 † violacea Fab. E. i. 433. — Ste. M. iv. 346. — Ch. graminis var. Don. xi. pl. 365. f. 2. — Oblong-ovate, convex; shining blue; thorax smooth; elytra very finely punctulated; antennæ and legs blue or violet. (L. 5 l.) Near Windsor, and in Lincolnshire?

2431 Graminis L. ii. 587. — Don. xi. pl. 365. f. 1. — Ste. M. iv. 346. — Oblong-ovate, convex; shining blue-green; head and thorax thickly punctured; elytra thickly and finely punctured, the punctures distinct and irregularly placed in lines towards the sides, surface of a uniform blue-
green; legs and antennae brassy-green. (L. 3½-5 l.) Grassly places: Dover; Bath; Bristol; Norfolk; Sandifield, Cumberland: 6.

2432 fulgida Fab. E. i. 432. — Ste. M. iv. 345. — Oblong-ovate, convex; golden-green, with a blue tint, very glossy: thorax thickly and rather coarsely punctured; elytra thickly, deeply, and irregularly punctured, the punctures near the suture and on the sides forming irregular striae; and these parts of a bright golden-green, the disc in certain lights being blue: base of the antennae very dull red beneath. (L. 3½-5½ l.) Marshes and fens of Cambridgeshire and Hants; on tansy, Yorkshire: 6.

2. Thorax with its lateral margins thickened.

2433 polita L. ii. 590. — Mart. C. pl. 14. f. 5. — Ste. M. iv. 345. — Ovate, brassy-green or blue, highly polished: thorax golden, or deep blue; sides and scutellum greenish-brass; elytra testaceous-brown or green-blue, the disc thickly sprinkled with small irregularly placed punctures; legs brassy-green, tarsi pitchy; antennae dusky, basal joints pitchy. (L. 3-4½ l.) Hedges; generally distributed: 4-10.


2436 distingueda Stephens. — Ch. sanguinolenta Don. iv. pl. 3. f. 3, 4. — Ste. M. iv. 344. — Ovate; deep bluish-black; disc of thorax finely punctured; sides and elytra coarsely and thickly punctured, punctures irregularly confluent; lateral margins broadly blood-red; antennae black; basal joints and legs bluish. (L. 3½-4 l.) Hedges: London district; S. Wales; Scotland; near Moffat: 4-10.

(2437 ‡ sanguinolenta L. ii. 591. — Ovate, shining black; thorax margined; outer edge of the elytra blood-red; legs black. (L. 4-4½ l.) Improperly considered as British.)

2438 limbata Fab. E. i. 444. — Pz. F. xvi. f. 8. — Ste. M. iv. 343. — Somewhat oblong-ovate; black, shining; finely punctured; disc of thorax faintly brassy; elytra with the entire limb broadly deep dull red or blood colour; base of antennae reddish. (L. 3½-4 l.) Hedges: near Windsor, and in Devonshire: 6.

§ B. Elytra punctate-striate. 1. Thorax with its lateral margins thickened.

2439 Banksii Fab. E. i. 430. — Don. iv. pl. 138. f. 4. — Ste. M. iv. 343. — Ovate; above brassy-brown, pitchy, or black, very glossy; beneath testaceous; thorax with the disc finely punctured, the sides and elytra with deep excavated punctures, the under margin of the latter, with the legs and antennae, testaceous. (L. 4-5½ l.) Grassy hedges: Darent Wood; Southend; Bristol; Teignmouth; Devonshire: 6.

2440 lamina Fab. E. i. 430. — Pz. F. xlv. f. 5. — Ste. M. iv. 342. — Ovate; above greenish-blue, or olivaceous; shining, slightly punctured; thorax very smooth, the sides much incrassated; elytra striate, the striae composed of large distinct punctures; antennae black; base pitchy-red. (L. 4 l.) Var. Ch. Hobsoni Hope. — Ste. M. iv. 343. — Above pitchy, or brown-black, slightly shining, thorax smooth. Grassy places: generally distributed; var. about Manchester: 4-7.

2442 marginata L. ii. 591. — Pz. F. xvi. f. 11. — Ste. M. iv. 341. — Oblong-ovate; above brown-brass; thorax with disc finely, sides coarsely, punctured; elytra with the lateral margins luteous, or dull yellow; disc irregularly punctate-striate, the striae in pairs; body greenish-black beneath, apex livid; legs and antennae black, base of latter pitchy-red; tarsi pitchy. (L. 2 ½ 3 l.)


2443 geminata Ph. F. ii. 65. — Ste. M. iv. 341. — Oblong-ovate; above greenish-copper or violet, rarely blue-black, or bright copper, punctured; elytra faintly punctate-striate, the striae disposed in pairs, interstices minutely punctured; legs brassy-black, tarsi pitchy; antennae fuscous, the base reddish. (L. 2 ½-3 l.) Hedges: Hertford; Darenth; Monk’s Wood, Epping; Bristol; Crwinyon Burrows; Forfarshire: 6.

2444 Hyperici Forst. C. i. 20. — Ste. M. iv. 342. — Ch. gemellata Pz. F. xlv. f. 6. — Oblong-ovate; above greenish-brass, blue or black; finely punctured; head smooth; elytra with a greenish tint, each with 4 pairs of striae, composed of deep remote punctures; and a single row next the suture; antennae black. (L. 2 ½-3 l.) On Hypericum perforatum, &c.: Darenth Wood; Copenhagen fields; S. Wales; Minto, Roxburgshire, &c.: 5-6.

2. Thorax with the lateral margin not thickened.


(2445† festiva Fab. E. i. 440. — Ste. M. v. 425. — Ovate; brassy-black; elytra punctate-striate, with 3 yellow lines, the 2 outer ones united at the apex, and the middle one not extending to the tip; base of the suture yellow. (L. 3 l.) Improperly recorded as British.)

2446‡ festa Kirby. — Ste. M. iv. 340. — Somewhat ovate; brassy-black; punctured; mouth pitchy; elytra punctate-striate, the lateral margin, base, and 2 rather waved longitudinal stripes, reddish yellow, the lateral stripes with a 3-angular tooth in the middle pointing inwards and forwards; suture brassy. (L. 2 ½ l.) Hedges: Darlington, Yorkshire.

** Tibia with an acute tooth near the apex: — Spartophila Chevrolat.

2447 Litura Fab. E. i. 429. — Mart. C. pl. 16. f. 37. — Ste. M. iv. 340. — Short, ovate, convex; testaceous-red; suture of the elytra and a streak on the disc black; elytra punctate-striate; apex of antennae black: sometimes black, with the base of the antennae and the tarsi testaceous; occasionally the elytra are spotless testaceous. (L. 1 ½-2 ½ l.) On broom: generally distributed: 4-7.


2448 † Adonidis Fab. E. i. 431. — Cur. iii. pl. 111. — Ste. M. iv. 338. — Oblong-ovate; black; sides of thorax ochreous, each with a round black spot; elytra yellowish; irregularly punctate-striate, with a narrow stripe down the suture, not reaching the base, and a broad streak near the hinder margin, black. (L. 3 ½ l.) Said to be taken in Lincolnshire.
**Tibiae** with an acute tooth at the tip: — **Gonioctena** Chevrolat.

2449 pallida *L.* ii. 589. — *Wood*. i. pl. 11. — *Ste.* *M.* iv. 338. — Oblong-ovate; convex, testaceous-yellow; eyes black; thorax shining; elytra deeply punctate-striate; body pitchy in the middle beneath. (L. 3 l.) Sallows: Coombe Wood; Scarborough; Midgely Moor: 6.

2450 10-punctata *L.* ii. 590. — *Ste.* *M.* iv. 338. — Ch. viminalis *Pz.* F. Ixviii. f. 3. — Oblong-ovate; black; elytra faintly punctate-striate, interstices very thickly punctulate: thorax and elytra testaceous-red, more or less spotted with black: apex of abdomen and base of antennae testaceous. (L. 3-3½ l.) Willows, &c.: Coombe, Darenth, &c. woods: Monk's Wood; Epping; Rachills; Yorkshire, &c.: 6.

2451 rufipes *De Geer*, v. 295. — *Ste.* *M.* iv. 329. — Ch. 10-notata *Don.* xi. pl. 373. f. 1. — Oblong-ovate; black; mouth, legs, thorax, and elytra red; the thorax with 2 black spots on its hinder margin, united by a black line, the elytra finely punctate-striate, each with 5 black spots, 1 or more of which is frequently obliterated. (L. 3-3½ l.) Woods: London district; Epping; Armathwaite, Cumberland: 6.

2452 6-punctata *Fab.* E. i. 436. — *Pz.* F. xxvi. f. 11. — *Ste.* *M.* iv. 339. — Oblong-ovate, convex; black; thorax red, with 2 black dots on the disc; elytra red, each with 3 black spots, disc punctate-striate, the interstices faintly punctured; thighs pitchy; tibiae and tarsi pale; antennae red, tip brownish. (L. 3 l.) Near Rochester: 6.

496 **Helodes** Paykull.

2453 Beccabunga *Ph.* F. iii. 451. — *Pz.* F. xxv. f. 11. — *Ste.* *M.* iv. 353. — Blue or greenish, shining; tip of abdomen reddish; mouth pitchy; elytra striated, interstices coriaceous. (L. 2 l.) On Beccabunga: Copenhagen fields; Bottisham; Weston; Swansea; Carlisle; Scotland: 5-6.

2454 Phellandrium *L.* ii. 601. — *Ste.* *M.* iv. 352. — Ch. calamiensis *Don.* vi. pl. 185. f. 1. — Greenish-brass, or black; shining; thorax with a broad yellow lateral margin; elytra punctate-striate, yellow, or ochreous, with the suture entirely, and a broad streak on the disc of each, greenish-brass; tip of abdomen, base of thighs, and the tibiae, luteous; apex of antennae black. (L. 2½-3 l.) On Phellandrium aquaticum: generally distributed: 4-7.

497 **Phaedon** Meyerele.

§ A. *Antennae* elongate, thickened towards the end.

2455 marginella *L.* ii. 591. — *Mart.* C. pl. 15. f. 26. — *Ste.* *M.* iv. 333. — Oblong-ovate; above blue, or blue-green, punctured; thorax with its sides, above and below, broadly luteous: elytra punctate-striate, interstices smooth, the outer margins broadly pale luteous or yellow. (L. 1½-2 l.) Flowers of Ranunculus in marshy places: generally distributed: 4-6.

2456 Hannoveriana *Fab.* E. 1. — *Herbst*. A. pl. 23. f. 12. — *Ste.* *M.* v. 425. — Oblong; bluish-green; thorax with its lateral margins broadly luteous, and punctured; elytra punctate-striate, the outer margin and a longitudinal streak towards the suture, angulated near the base, bright luteous. (L. 2-2½ l.) Meadows: Askham Bryan, Yorkshire: 6.

2457 aucta *Fab.* E. i. 442. — *Don.* xi. pl. 373. f. 2. — *Ste.* *M.* iv. 334. — Oblong-ovate; convex; above blue or blue-green; head and thorax thickly punctured; elytra punctate-striate, interstices smooth, the lateral margins more or less broadly testaceous-red; antennae black. (L. ½ l.) Flowers, in damp places; Battersea fields, &c.; Weston; Bath; S. Wales: 4-6.
Phratora Chevrolat.

2458 Vitellina L. ii. 589. — Mart. C. pl. 14. f. 1. — Ste. M. iv. 335. — Oblong-ovate; above brassy-green, blue, or black, rarely violaceous; very glossy; elytra rather faintly punctate-striate, the striae somewhat irregularly placed towards the sides; body brassy beneath, its apex reddish; base of the antennae dull red. (L. 1 1/2-2 l.) Willows and poplars: generally distributed: 6-7.

2459 unicolor Marsh. i. 185. — Ste. M. iv. 336. — Somewhat elongate-ovate; above blue-black, slightly glossy; thickly and finely punctured throughout, the punctures dispersed in irregular striae on the elytra; body entirely black beneath. (L. 2-2 1/2 l.) Poplars: London district; Bristol; Weston; Yorkshire: 6-7.

Gastrophysa Chevrolat.

2460 Polygoni L. ii. 589. — Don. iii. pl. 96. f. 1. — Ste. M. iv. 336. — Oblong-ovate; blue or greenish; finely punctured; thorax convex, bright shining red; tip of abdomen and legs also red; tarsi pitchy above; antenna black, dull red at the base. (L. 1 3/4-2 1/2 l.) Polygonum aviculare: widely dispersed: 4-7.

2461 Raphani Fab. E. ii. 430. — Ste. M. iv. 336. — Ch. Hypocharidis Don. xi. pl. 373. f. 3. — Oblong-ovate; above golden or bluish-green, shining; above very thickly punctate, especially the elytra; forehead with a deep groove; mouth pitchy: antennae and legs brassy; tarsi pitchy. (L. 1 3/4-2 1/2 l.) On docks, &c.: Battersea fields; Hertford; Southend; Cambridge; Liverpool; S. Wales; Yorkshire; Cramond, &c.: 4-7.

2462 fastuosa L. ii. 470. — Don. vi. pl. 194. — Ste. M. iv. 337. — Ovate; convex; rich golden green, changing to blue; head and thorax slightly punctured; elytra more coarsely punctured, the punctures rather dispersed in lines on the sides, the suture and a short stripe on the disc bright violet-blue; antennaefuscous, their base dull red. (L. 2 1/2-3 l.) White-thorn hedges; Darenth Wood; Richmond Park; Ripley; Devil's Ditch; Granchester; Sawtry Fen, Monk's Wood; near Carlisle; Scotland: 6.

Phaedon pr. Cher.

2463 Betulea L. ii. 587. — Ste. M. iv. 333. — Ch. Cochleariae Pz. F. xliiv. f. 15. — Short, ovate: glossy violet or brilliant blue, occasionally greenish; head and thorax minutely punctured; elytra moderately punctate-striate, interstices impunctate; body beneath, legs, and antennae, entirely black. (L. 1 1/2 l.) Meadows: London district; and pretty generally distributed: 4-6.

2464 Cochleariae Fab. E. i. 445. — Ste. M. iv. 333. — Pz. F. xxi. f. 2. — Short; somewhat ovate; above shining blue or greenish, beneath more obscure, with the apex of the body testaceoeus: thorax thickly punctulate; elytra very convex, finely punctate-striate, interstices obsolete punctate, in the middle of the base a fovea, and exterior to the last an elevated calus: antennae black. (L. 1 1/2 l.)

Var.? Ch. gomphoceros Leach. — Ste. M. iv. 333. — More ovate; wholly black beneath; thorax obsolete punctate; antennae rather distinctly thickened at the tip. London district; Cambridge; Yorkshire; Newcastle; S. Wales; Bristol: 5-6.

2465 concinna Ste. M. iv. 334. — Short, ovate; beneath black; above blue, green, brassy, coppery, golden or greenish-purple, &c.; elytra sometimes concolorous, at others not: thorax convex, thickly and finely punctured; elytra deeply punctate-striate, interstices distinctly punctate; the base with a calus, and a fovea within. (L. 1 1/2 l.) Banks: Southend: 4-6.
CHILOCRUS.

2466 tumidula Kirby. — Ste. M. iv. 334. — Short, ovate; brassy-black; punctulated; head with a smooth impressed line; thorax very smooth, the disc flattened, the sides somewhat swollen; elytra punctate-striate, interstices minutely punctured; antennae pitchy-black, the basal joint pitchy-red. (L. 1 1/2 l.) Hedges: London district; Weston; S. Wales; Newcastle; Scotland: 4-6.

§ B. Antennae short, somewhat clavate: — Plagiodesma Chevrolat.

2467 Armoracia L. ii. 588. — Pz. F. xlv. f. 14. — Ste. M. iv. 332. — Short, ovate; greenish-blue, or brassy; shining; very thickly punctured: mouth pitchy; thorax short, obscurely punctured; elytra distinctly punctate, the punctures slightly dispersed in lines towards the base; shoulders prominent and wrinkled: body beneath and legs black; tarsi pitchy; antennae black, rusty-red beneath at the base. (L. 1 1/2 l.) Var.? Ch. clavicornis Kirby. — Ste. M. iv. 332. — More brassy; tarsi and base of the antennae pale red, tip of antennae rather stout. Under bark of willows, &c.: Battersea fields; Weston; S. Wales; Newcastle, &c.: 4-7.

§ 5. PSEUDOTRIMERA Westwood.

Fam. 59 COCCINELLIDÆ. Ant. mostly shorter than the thorax, abruptly clavate, or thickened towards the apex: max. palpi with terminal joint large and generally securiform (hatchet-shaped): labrum broad: tho. very short, transverse, lunate: body convex or hemispherical, often pubescent: legs short: tarsi 2d joint large, bilobed.

Fam. 60 ENDOMYCHIDÆ. Ant. longer than the head and thorax united, a little thickened towards the extremity: max. palpi filiform, or slightly thickened at tip: tho. trapeziform: body oval, glabrous: legs slightly elongate.

Fam. 59. COCCINELLIDÆ Latreille.

ccxeviii. CHILOCRUS Body glabrous: ant. very short, capitate: tho. lunate, hinder angles rounded; elytra not striate, with a dilated margin.

ccxexix. COCCINELLA Body glabrous, hemispherical: ant. moderate, with a compressed club: tho. broadest at the base, the hinder angles acute: elytra ample, not striated, slightly margined.

d. SPHÆROSOMA Body pubescent, spherical: ant. rather long, with an abrupt club: tho. closely embracing the elytra at the base; the latter not striate: legs short, robust.

di. SCYMUS Body pubescent, hemispherical, or rather oblong: ant. very short, abruptly clavate: obtuse: tho. with hinder margin as broad as, and closely embracing, the elytra, which are ample and not striated: legs short; thighs thickish.

dii. RHYZORUS Body pubescent, convex: ant. slightly elongate, with a slender club: tho. with hinder margin scarcely so wide as, but closely embracing, the elytra, the latter convex, not striated: thighs slender.

diii. CACICULA Body rather elongate, slightly pubescent: ant. longer than thorax, with a slender club: tho. rounded on the sides, the base closely embracing the elytra, the latter ovate, punctate-striate: legs simple.

498 CHILOCRUS Leach.


2469 renipustulatus Ill. K. i. 474. — Ste. M. iv. 374. — Coccinella Mil—EE
PSEUDOTRIMERA. — COCCINELLIDAE.

laurd. pl. 2. f. 7. — Gibbous; black; abdomen wholly red; elytra with a large ovate red spot placed across; tarsi reddish beneath. (L. 2-2½ l.) Sandy lane, Darenth Wood; Hertford; Epping; Bristol; S. Wales; Raehills: 5-7.

(2470) Cacti L. ii. 154. — Ste. M. iv. 374. note. — Convex; black; breast and abdomen entirely red; elytra each with a large rounded red spot. (L. 2½ l.) Introduced, by error, in old collections, for the foregoing insect.)

2471 haemorrhoidalis Thumb. I. S. ix. 111. — Ste. M. iv. 375. — Convex; black; head in front and lateral margins of the elytra broadly red: margin of the abdomen and legs also red:—head sometimes black, with the mouth red. (L. 2 l.) Hedges: Windsor and Bristol: 6.

2472 4- verrucatus Fab. E. i. 381. — Ste. M. iv. 375. — Co. Cassidoides Don. vii. pl. 243. f. 3. — Convex; black; elytra each with a lunular spot on the shoulder, and a round one on the disc red; hinder margins of the abdomen pale red; knees and tarsi beneath reddish:—elytra sometimes black. (L. 1½-2 l.) Oaks, &c.: abundantly in London district; and generally distributed: 6-9.

499 Coccinella of Authors.

§ A. — Hyperaspis Chevrolat.

2473 † lateralis Ill. K. i. 472. — Pz. F. xxiv. f. 9. — Ste. M. iv. 374. — Hemispheric; black; shining; sides of the thorax, and a round spot on the disc of the elytra, rather behind the middle, red; anterior tibiae pale. (L. 1½ l.) Locality not known?

2474 reppensis Herbst. C. v. 386. pl. 59. f. 14. — Ste. M. iv. 374. — Somewhat hemispheric; black; shining; sides of the thorax broadly, and a round dot on the elytra, near the apex on the outer margin, red; anterior tibiae, and all the tarsi testaceous. (L. 1½ l.) Hedges: Windsor; Devonshire; Cramond: 6.

§ B. — Micraspis Chevrolat.

2475 12-punctata L. ii. 581. — Herbst. A. pl. 58. f. 16. — Ste. M. iv. 375. — Hemispheric; pale testaceous; thorax with 6 black dots, sometimes more or less united; elytra each with the suture, 5 round spots, and a flexuous lateral line, composed of 3 or 4 united spots, black; legs pale; thighs with a black cloud. (L. 1½-1½ l.) Grassy banks: widely distributed: 4-10.

§ C. — Coccinella pr.

2476 14-guttata L. ii. 583. — Don. vii. pl. 243. f. 1. — Ste. M. iv. 377. — Somewhat hemispheric; testaceous-red: thorax with a whitish crescent on each side, expanding behind; elytra each with 7 whitish dots, placed 1 at base, 3 across, then 2 and 1 near the tip; middle of breast and abdomen griseous. (L. 2½-2½ l.) Whitethorn hedges: Birch and Darenth woods; Bristol; Devonshire; S. Wales; Carlisle; Scotland: 5-7.

2477 bissexguttata Ill. K. i. 432. — Ste. M. iv. 377. — Co. 12-guttata Herbst. A. pl. 22. f. 21. — Somewhat hemispheric; tawny, or testaceous-red: thorax with the lateral margins transparent white; elytra each with 6 whitish spots, placed 1 at base, 2 obliquely, 2 and 1 near the tip; legs pale. (L. 1½-2 l.) Hedges: Windsor and Bristol: 6.

2478 bisseptemguttata Ill. K. i. 433. — Herbst. C. v. pl. 59. f. 9. — Ste. M. iv. 378. — Somewhat hemispheric; pale tawny, shining: thorax with the sides pale; elytra each with 7 white spots, placed 1, minute, at the shoulder, then 2, 2, 2 oblique near the apex; outer margin nearly white. (L. 2½-3 l.) Hedges: Bristol: 6.

2479 10-guttata Fab. E. i. 374. — Herbst. A. pl. 22. f. 16. g. — Ste. M. iv. 378. — Somewhat hemispheric; luteous; sides of thorax whitish;
elytra each with 5 white spots, placed 2 and 2 across, and 1 within the apex. (L. 3 l.) West of England; Bristol?

2480 16-guttata L. ii. 584. — Mart. C. pl. 13. f. 27. — Ste. M. iv. 378. — Somewhat hemispheric; testaceous-yellow; thorax with the margins broadly pellucid-white; elytra with the margins dilated, each with 8 white spots, placed 1 near the base, then 2, 2 and 2 obliquely, and 1 within the apex; abdomen pieceous in the middle; legs pale testaceous. (L. 2½-3 l.) Hedges: Coombe Wood; Norfolk; Suffolk; Devonshire; S. Wales; Cronond; Dalmeny: 5-6.

2481 oblongo-guttata L. ii. 584. — Don. xi. pl. 362. — Ste. M. iv. 378. — Somewhat hemispheric; testaceous-red, shining; thorax with the disc reddish, the lateral margins broadly whitish; elytra with the suture, a spot near the base, a large irregular one on the disc, an oblong one behind, a nearly continuous line on the outer margin, whitish; legs pale. (L. 3-4 l.) On firs: Ripley; Hertford; S. Wales; N. of England and Scotland: 3-10.

2482 ocellata L. ii. 582. — Cur. v. pl. 208. — Ste. M. iv. 379. — Somewhat hemispheric; black; head and thorax varied with white; elytra red, with 16 black spots, edged with whitish during life, pale in death, 1 basal, then 3, 3 and 1, the last elongate: — the legs pale: — the spots on the elytra more or less united, or deficient; rarely all wanting. (L. 4-5½ l.) Firs and pines: Ripley; Birch Wood; Walworth; Stockton; Tynemouth; Gorleston Cliffs: 3-10.

(2483 † marginepunctata Fab. E. i. 358. — Pz. F. lxxix. f. 1. — Ste. M. iv. 379. note. — Somewhat hemispheric; reddish; head and thorax luteous, thickly spotted with black; elytra pale, each with 8 black dots; of which the marginal ones sometimes alone exist. (L. 3 l.) Indicated erroneously as British.)

2484 7-punctata L. ii. 581. — Wood. i. pl. 10. — Ste. M. iv. 380. pl. xxiii. f. 2. var. — Hemispheric; black; 2 dots on the forehead, and a patch at the anterior angle of the thorax, white; coleoptra (both elytra) red, with 7 black spots, placed 1 at the scutellum, 3 on each elytra triangularly, i. e. 1 on the back, the other 2 on the sides: — 1 or other, or sometimes all, the spots are obliterated; or the elytra are wholly black. (L. 3½-4½ l.) Gardens, &c. throughout the country: (.), (*).

2485 5-punctata L. ii. 582. — Don. ii. pl. 39. f. 1. 4. — Ste. M. iv. 380. — Hemispheric; black; 2 oblique streaks on the forehead, and a patch on each anterior angle or the thorax, extending in a narrow streak on the lateral margin, white: coleoptra blood-red, with 5 black dots, placed on each ½ common, 1 dorsal, 1 lateral near the apex: — one or other of the dots sometimes wanting, and, in rare instances, 1 or 2 additional spots on the shoulders. (L. 2-3 l.) Hedges, &c. generally distributed: 4-8.

(2486 † 3-fasciata L. ii. 580. — Herbst. C. v. pl. 57. f. 13. — Ste. M. iv. 381. note. — Somewhat hemispheric; black; anterior angles of thorax whitish; elytra red, with 3 short black bands. (L. 2½ l.) Improperly given as British.)

2487 22-punctata L. ii. 582. — Don. ii. pl. 39. f. 1. 4. — Ste. M. iv. 381. — Hemispheric; bright shining sulphur-yellow; thorax with 5, elytra with 10 black dots, placed 3, 3, 1, 2, 1, and 1 marginal one, the latter sometimes wanting, and the others occasionally more or less united; legs testaceous, thighs blackish at the base. (L. 1½-2 l.) Hedges: amongst nettles, and generally distributed: (.),

2488 variabilis Ill. K. i. 447. — Ste. M. iv. 381. — (Don. xii. pl. 428. f. 1, 2, 3. var.) — Somewhat hemispheric; black or luteous; margin of the thorax yellow; elytra with a slightly elevated nearly apical transverse line, and more or less spotted with black; legs pale luteous, thighs with the
base dusky: — the spots on the elytra are typically 1/3-1, 3, 2, the 5 last placed transversely; the obliteration or confluence of 1 or more of which causes an extensive series of variations; the extreme cases being, elytra luteous, spotless, and elytra black, with 10 luteous dots. (L. 2-2 1/2 l.)

Var.? Co. humeralis Schön. S. ii. 163. — Ste. M. iv. 383. — Elytra black or fuscous, with a pale lunular mark on the shoulder, in rare instances totally obliterated. On oaks and lime trees, every where; (•, •).

2489 conglomerata Fab. E. i. 372. — Ste. M. iv. 385. — Co. 14-punctata Herbst. A. pl. 22. f. 5. — Hemispheric; black; above obscure; elytra with the suture and 7 mostly 4-angular spots black: the spots more or less united, rarely all distinct; sides of breast and of the abdomen spotted with yellow; legs pale. (L. 1 1/4-2 1/4 l.) Hedges and clover fields: Darent Wood; Monk’s Wood; Cambridge; S. Wales: 5-6.

2490 14-pustulata L. ii. 585. — Herbst. C. v. pl. 57. f. 17. — Ste. M. iv. 384. — Somewhat hemispheric; black; forehead with 2 white dots; thorax with the anterior edge and its angles irregularly whitish yellow; elytra each with 7 rounded obscure spots, placed 2 basal, 2 before, and 2 behind the middle, 1 near the tip; legs pale, thighs and base of tibiae black. (L. 2 1/2 l.) Hedges: Windsor; Weston; Raehills: 6.

2491 dispar Ill. K. i. 455. — Ste. M. iv. 384. — Co. bipunctata, &c. Mart. C. pl. 13. f. 17. 24. 22. — Ovate, hemispheric; body and legs black; elytra very narrowly margined, and with 1 black spot, sometimes round, at others oblong, at others accompanied by 1 or 2 minute dots, or a twig of black, which last colour goes on gradually predominating and branching off in a long series of varieties, until the general surface is wholly black; having put on the various appearances of a band or ring of black, or 7, 6, 4, or 2 red spots on a black ground: sides of the thorax, and occasionally 2 dots on the forehead, white. (L. 2-2 1/2 l.) Gardens, hedges, &c.: plentifully distributed throughout the country: (•, •).

2492 impustulata L. ii. 584. — Ste. M. iv. 385. — Co. conglomerata var. Herbst. C. v. pl. 58. f. 15. — Ovate-hemispheric; black; head with 2 pale dots, or red with a black line; thorax with the anterior angles white; elytra slightly margined, sometimes with the outer edge, and from 1 to 5 spots, reddish: legs black; tarsi dull red beneath. (L. 2 1/2 l.) Hedges: Coombe Wood; Norfolk; S. Wales; Scotland; Cumberland: 6.

2493 congregata Fab. E. i. 373. — Ste. M. iv. 385. — Co. gemella Herbst. A. pl. 22. f. 7. var. — Ovate-hemispheric; black; above rosy or yellowish; thorax with 8 black spots, sometimes united; elytra distinctly margined, the suture and 8 spots frequently confluent, black; legs testaceous: thighs occasionally black. Hedges: Cobham, Surrey: 6.

2494 hyperborea Ph. F. ii. 38. — Ste. M. iv. 386. — Somewhat ovaete; black; 2 oblique spots on the forehead; sides of thorax, and 2 almost united spots opposite the scutellum, white; elytra red, with 2 black bands composed of united spots, placed obliquely, and edged, on each side with whitish. (L. 2 1/2 l.) N. of Scotland: 6.

2495 11-punctata L. ii. 581. — Dou. xvi. pl. 372. f. 2. — Ste. M. iv. 386. — Somewhat ovaete; black; forehead with 2 pale spots; thorax with an irregular whitish or obscure spot on each anterior angle; scutellum black; elytra red, with 1—5 black spots, placed 3/4, 1, 2, 2, the pairs obliquely; — spots sometimes united in pairs, or 1 or more obliterated. (L. 2-2 1/2 l.) Sandy banks: generally distributed: 6-7.

2496 hieroglyphica L. ii. 580. — Ste. M. iv. 387. — Co. 3-lineata Herbst. A. pl. 22. f. 12. var. — Somewhat ovaete; black; forehead with 2 minute spots, and anterior angles of thorax white; elytra red, with a longish black streak at the base of the suture, and a flexuous stripe composed of dots,
more or less interrupted or obsolete at times, and sometimes emitting a twig, black. (L. 1½-2 l.) Woods: Coombe Wood; Norfolk; Cardew Mire: 6.

2497 *18-guttata* L. ii. 585. — *Samou*. pl. 2. f. 11. — *Ste. M.* iv. 387. — Somewhat ovate; dull red; thorax with the sides and 2 spots at the base whitish; elytra each with 9 luteous spots, placed 2, 1, 3, 2, 1, the 2 basal ones being curved; body griseum beneath. (L. 1½-2 l.) On firs: Birch Wood; Ripley; Hertford; Midgley; Cambridge; Weston; S. Wales; Scotland, &c.: 3-7.

§ D. — **Hippodamia** *Chevolat*.

2498 *mutabilis* Ill. K. i. 427. — *Ste. M.* iv. 388. — Co. 7-notchata *Don. xi.* pl. 362. f. 3. var. — Oblong-ovate: black; margins of thorax and 2 spots at the base ochreous; elytra red, spotted with black, the spots typically placed 1, 2, 2 obliquely, and 1 and the scutellum black; the absence of 1 or other, and the occasional presence of an additional pair on the shoulders, causing numerous varieties; antennae, tibiae, and tarsi, and tip of intermediate tibiae, testaceous-red. (L. 1½-2½ l.) Thick hedges: London district; Liverpool; Swansea: 6-8.

2499 *13-punctata* L. ii. 582. — *Don. xi.* pl. 362. f. 2. — *Ste. M.* iv. 388. — Oblong: black; head tawny in front; thorax with the anterior and lateral edges yellow, the latter each with a black dot; elytra red, or luteous, with typically 13 black spots, placed 1 common, 1 transversely, 2 before the middle, 2, and 1 near the tip; tibiae and tarsi testaceous-red: spots on the elytra more or less obliterated. (L. 3 l.) Amongst reeds, &c.: Battersea fields; Monk's Wood; S. Wales; N. of England, and in Scotland: 6-7.

2500 *7-maculata* Fab. E. i. 365. — *Ste. M.* iv. 389. — Co. oblonga *Herbst.* A. pl. 22. f. 4. var. — Oblong: black; head with a 3-angled yellowish mark; thorax with the margins narrowly edged with yellow; elytra red, with a large 3-lobed spot at the scutellum, and 5 large ones on the disc, black; antennae and palpi red. (L. 3 l.) Hedges: Bristol: 6.

§ E. — **Anisostista** *Chevolat*.

2501 *19-punctata* L. ii. 582. — *Herbst. A.* pl. 22. f. 9. — *Ste. M.* iv. 389. — Oblong: black; above ochreous, tinted with rosy: thorax with 6, and elytra with 19 black spots, the latter placed ½, 1 large, 2, 3 in the middle, 2, and 1; 1 or more occasionally united or wanting; legs testaceous. (L. 1½-2 l.) Damp places, amongst reeds: Hertford; Battersea fields; Cambridge; S. Wales; Scotland: 6-7.

2502 *M-nigrum* Fab. E. i. 537. — *Herbst. C.* v. pl. 57. f. 1. — Rather oblong; pale testaceous; eyes, and some dots on the head, black; thorax pale testaceous, with an irregular, sometimes interrupted and indistinct angulated black line, resembling the letter M; elytra occasionally with a dark longitudinal line; breast black; legs pale. (L. 2 l.) On the larch: Birch Wood; Weston; Bevington, Herefordshire: 4-6.

§ F. — **Cyanegetis** *Chevolat*.

2503 *globosa* Ill. K. i. 469. — *Ste. M.* iv. 389. — *Don. ix.* pl. 362. f. 5. var. — Hemispheric; mostly with wings: head and legs for the most part rusty red; thorax the same, sometimes spotted with black; elytra rusty-red, spotless, or with from 1 to 12 black spots, placed 3, 3, 1, 3, 2, and more or less confluent or wanting; sometimes the apex alone of the elytra is red. (L. 1½-1½ l.) Grassy hedges: widely dispersed: 4-8.

(2504 † *impunctata* L. ii. 579. — *Pz.* F. xxxvi. f. 4. — *Ste. M.* iv. 390. var. — Hemispheric: wingless; head black: thorax and elytra livid red, 2 2 3
the latter gibbous behind and spotless; body beneath black; sides of breast and margins of abdominal segments pale red; legs black; tibiae and tip of anterior thighs testaceous. (L. 1½ l.) Erroroncely described as indigenous.

500 Sphecorsoma Kirby.

2505 Quercus Leach. — Ste. M. iv. 391. — Pitchy-black; slightly shining; mouth piceous; thorax spotless, with a few remote, minute punctures; elytra thickly and finely punctate; legs and antennae pitchy-testaceous. (L. 3½-1 l.) On oaks: London district; Suffolk; Devonshire: 6.

501 Scymnus Herbst.

2506 ater Schnei. M. (Kugellan.) i. 548. — Ste. M. iv. 292. — Oval; slightly convex; black; shining; finely punctured; elytra ample, with an oblong tubercle on the shoulder; tarsi, antennae, and mouth pitchy. (L. 3½ l.) Whitethorn hedges: Ripley: 7.


2509 femoralis Kirby. — Ste. M. iv. 392. — Somewhat hemispheric; black; elytra ample, very convex, obtusely rounded behind; the disc clothed with a fine ashly pile; breast very thickly and coarsely punctured; tip of abdomen pitchy; tibiae, tarsi, and antennae rusty-red. (L. 3½ l.) On firs: Ripley, and in Suffolk: 6.

2510 parvulus Fab. E. i. 377. — Pz. F. xiii. f. 2. — Ste. M. iv. 393. — Somewhat hemispheric; black; head testaceous-red; eyes black; thorax sometimes with the lateral margins broadly testaceous; elytra with the extreme tip slightly red; terminal segments of the abdomen reddish; legs reddish-yellow, the hinder thighs dusky at base; antennae pale. (L. ¼ l.) Var. ? Co. fulvifrons Marsh. i. 168. — Ste. M. iv. 393. — Forehead testaceous: tips of elytra, and of abdomen, black. Oaks: Hertford; Camberwell; Wood Ditton, Cambridgeshire; S. Wales; Carlisle: 7-10.

2511 Colon Thunb. I. S. ix. 111. — Ste. M. iv. 393. — Somewhat hemispheric; shining black; slightly pubescent; elytra each with 2 small luteous spots, placed longitudinally; tip of abdomen reddish. (L. 1½ l.) Hedges: London district and Wood Ditton: 5-6.

2512 4-pustulatus Schnei. M. (Kugel.) i. 547. — Ste. M. iv. 393. — Hemispheric; black; thorax with a reddish spot on each side; elytra each with 2 red spots, 1 of them large and rounded, near the middle, the other smaller and near the tip; tibiae, tarsi, and antennae dull red: head, and sides of thorax sometimes yellow. (L. 1½ l.) Hedges: Darent; Hertford; S. Wales: 6-8.

2513 bisbipustulatus Fab. E. i. 382. — Pz. F. xiii. f. 5. ? — Ste. M. iv. 394. — Somewhat rounded; slightly convex; black; elytra each with 2 round red spots, placed one after the other, the hinder one largest; apex of thighs, tibiae, tarsi, and antennae, dull red. (L. 1½ l.) Hedges; rare: London district; Crwmlyn sand hills: 6.

2514 bipustulatus Thunb. I. S. ix. 105. — Ste. M. iv. 394. — Co. bipunctatus Pz. F. xxiv. f. 11. — Somewhat oval, shining, black; mouth and labrum testaceous; elytra each with a large round pale red spot on the disc, behind the middle; tibiae, tarsi, and antennae testaceous, club of
latter black. (L. 1 l.) Hedges: London district; Bottisham; Crwmlyn Burrows: 6.

2515 frontalis Fab. E. i. 381. — Ste. M. iv. 394. — Sc. didymus Herbst. C. vii. pl. 116. f. 2. — Somewhat hemispheric, black; head reddish-yellow, or black, with the mouth and labrum pale; anterior angles of thorax sometimes ochreous; elytra ample, each with an oblique, ovate, round red spot within the margin, beneath the humeral tubercle; legs testaceous, the hinder thighs, or the base of all, black. (L. 1 l.) Grassy places: London district; Swansea: 6-7.

2516 marginalis Gyll. iv. 199. — Ste. M. iv. 395. — Somewhat hemispheric; black; head entirely, or labrum alone, testaceous; thorax with the ante-
what angles more or less broadly testaceous; elytra each with a large some-
what 3-angular red spot at the base; legs testaceous, base of hinder thighs sometimes dusky. (L. 1 l.) Hedges: London district; Bottisham, &c.; Plaistow marshes: 6-7.

2517 analis Fab. E. i. 378. — Pz. F. xiii. f. 3. — Ste. M. iv. 395. — Somewhat ovate; black; head and sides of the thorax more or less broadly reddish-yellow; elytra ovate, shining, with the apex more or less indeterminately testaceous-red; tip of abdomen and edges of some of the preceding segments, with the legs and antennæ, testaceous-red. (L. 1-1½ l.) Hedges: Ripley; Hertford, &c.; Bottisham: 6-7.

2518 discoideus Fab. E. i. 377. — Herbst. C. viii. pl. 116. f. 6. — Ste. M. iv. 395. — Somewhat ovate; black; slightly pubescent; elytra red-brown, the base and margins black; legs testaceous-red, thighs sometimes black; antennæ, palpi, and mouth testaceous. (L. ¾ l.) On firs: Hertford; Ripley; Southend; Dalmeny: 4-8.


2520 atriceps Ste. M. iv. 396. — Somewhat ovate; head dusky-black; thorax red-brown; elytra very slightly pubescent, entirely pale, and legs pale testaceous; body beneath pitchy-testaceous, with the apex paler. (L. ⅔ l.) Hedges: London district: 6.

502 Rhyzobius Stephens.

2521 Litura Fab. E. i. 353. — Ste. M. iv. 396. — Co. aurora Pz. F. xxxv. f. 5. — Slightly glabrous; shining, testaceous-red; red, or testaceous, sometimes pitchy; eyes black; elytra finely punctured, mostly with an interrupted blackish band placed rather behind the middle; legs pale testaceous; abdomen black. (L. 1-1½ l.) Roots of grass, &c., widely distributed: ♂.

503 Cacicula Megerle.

2522 pectoralis Fab. E. i. 443. — Pz. F. lxxviii. f. 5. — Ste. M. iv. 397. — Red, shining; eyes, breast, and anterior part of the abdomen black; thorax sometimes with 2 obscure dusky spots; elytra somewhat punctate- striate, spotless; antennæ pale. (L. 1-1¼ l.) Roots of grass; generally distributed: ♂.

2523 scutellata Fab. E. i. 443. — Cur. iii. pl. 144. — Ste. M. iv. 398. — Shining red; eyes black; elytra faintly punctate-striate, each with a spot near the scutellum, and 2 other spots, one of them about the middle of the outer margin, and the other behind the middle of the suture, black; breast and base of the abdomen black; legs red. (L. 1¼ l.) Local: Norfolk; Plaistow marshes; Lincolnshire: 4-7.
Fam. 60. ENDOMYCHIDÆ Leach.

div. ENDOMYCHUS Ant. with a distinct 3-jointed club: max. palpi capitate, the terminal joint obtrigonal: tho. deeply notched in front, broadest behind: body ovate, glabrous: elytra free: wings 2: thighs slender.

504 ENDOMYCHUS Paykull.

2524 coccineus L. ii. 592. — Ste. M. iv. 399. — Cur. xii. pl. 570. — Shining blood-red; an oblong longitudinal patch on the thorax, and 2 large round spots on each of the elytra, black; middle of breast and legs black; joints of the latter and tarsi reddish; base of antennæ pitchy; apex black. (L. 1 1/3-2 1/3 l.) On fungi and putrid wood: local, but very widely distributed: 2-8.

505 LYCOPERDINA Latreille.


§ 6. HETEROMERA Latreille.

Fam. 61 TENEBRIONIDÆ. Head inserted up to the eyes in the tho., which is 4-drated, or trapeziform: palpi thickened at the tip; apical joint mostly hatchet-shaped: ant. generally moniliform: body oblong, flattish: tarsi mostly heteromerous, joints and claws simple.

Fam. 62 DIAPERIDÆ. Head inserted: tho. 4-drated, trapeziform, or somewhat cylindric: palpi nearly filiform, rarely enlarged at tip: ant. short, moniliform or pectinated: body rounded, or 4-drated, convex: tarsi heteromerous, joints and claws simple.

Fam. 63 BLAPSIDÆ. Head inserted: tho. somewhat 4-drated: palpi with the terminal joint large, dilated, 3-angular: ant. nearly filiform: elytra soldered together: wings 0: body elongate: tarsi heteromerous, joints and claws simple.

Fam. 64 HELOPIDÆ. Head inserted: tho. transverse: palpi with terminal joint large, hatchet-shaped: ant. filiform, base concealed, 3d joint longest: elytra not soldered together: wings rudimentary or short: tarsi heteromerous, anterior sometimes dilated in 3; joints and claws simple.

Fam. 65 CISTELIDÆ. Head inserted: tho. transverse: palpi filiform, or with the terminal joint hatchet-shaped: ant. elongate; base not concealed, filiform, sometimes pectinated or serrated: elytra free: wings ample: body elongate; softish: tarsi heteromerous, anterior sometimes dilated in 3; joints simple; claws denticulated.

Fam. 66 LAGRIIDÆ. Head inserted; and with the tho. narrower than the elytra, which are free, ample, soft, and flexible: ant. filiform, inserted in a notch of the eyes: body elongate: tarsi heteromerous, penultimate joint bilobed; claws simple.

Fam. 67 MECLANDRYIDÆ. Head inserted, sometimes inflexed: tho. widest behind: ant. shortish, filiform; eyes occasionally notched: max. palpi with 3 terminal joints large, often deflexed: body elongate and subcylindric, or flattish: tarsi testaceous; penult. joint of all, or of 4 anterior, oblong, bifid; in the last case hinder legs formed for leaping.
Fam. 68 MORDELLIDÆ. Head inflexed, closely applied to tho., which is trapéziform: ant. short, frequently flabellate or serrated: body elevated, arched: elytra narrowed at the extremity: abdomen conic, or sometimes with an anal style; legs dissimilar; tarsi heteromérous; anterior sometimes with penult. joint bilobed; claws bifid.

Fam. 69 CANTHARIDÆ. Head dilated behind the eyes, united to tho. by a distinct neck; the latter somewhat 4-drate: palpi mostly filiform: ant. various: elytra flexible, deflexed at the sides; often shortened, or divaricating: tarsi heteromérous, joints simple; claws bifid.

Fam. 70 (EDEMERIDÆ. Head deeply inserted, slightly elongate in front: tho. somewhat 4-drate: ant. rather long, filiform: body elongate, flatish: elytra sometimes narrowed at the tip: tarsi heteromérous, penult. joint mostly bifid; claws simple. 3 often with hinder thighs clavate.

Fam. 71 SALPINGIDÆ. Head deeply inserted; produced in front into a short flattened rostrum: tho. more or less heart-shaped: body oval or oblong, flatish: legs slender; tarsi heteromérous; penult. joint bilobed.

Fam. 72 PYROCHROIDÆ. Head exserted, with a distinct neck: tho. small, somewhat orbicular; elytra ample, flatish: ant. filiform, pectinated or serrated: max. palpi with terminal joint somewhat hatchet-shaped: tarsi heteromérous, penult. joint bilobed; claws simple.

Fam. 73 NOTOXIDÆ. Head somewhat heart-shaped, with a distinct neck: tho. narrowed behind; sometimes armed in front: ant. simple, rarely filiform: max. palpi with terminal joint hatchet-shaped: elytra rigid, as long as the abdomen: legs shortish; tarsi heteromérous; penult. joint bilobed; claws simple.

Fam. 74 SCYDMENIDÆ. Head slightly narrowed behind: tho. somewhat globose, broader than the head: elytra ample, convex, entire: ant. longish, distinctly clavate: palpi with 3d joint large, pear-shaped, terminal, minute: legs slender; thighs incassate: tarsi pentamous.

Fam. 61. TENEBRIONIDÆ Stephens.

dvi. SARROTRIUM Body elongate, narrow, rather convex: ant. short, thick, 10-jointed, very pilose: tarsi 4-articulate.


dviii. SCENE Body elongate, flat: ant. clavate, 3d joint short; club 3-articulate: tho. 4-drate: elytra flatish: anter. tibiae very finely crenate without.

dix. ULOMIA Body oblong-ovate, flat: ant. clavate, 3d joint elongated, as large as the 4th: tho. transverse, 4-drate: tibiae slender; slight: 3 with large procurred mandibles and 2 short horns on crown.

dx. TENEBRIUS Body elongate, narrow, slightly convex: ant. filiform, naked: tho. nearly 4-drate, slightly narrowed before: legs slender; anter. thighs thickened, their tibiae bent.

dxii. ALPHITOBUS Body oblong-ovate, flatish: ant. clavate, 3d joint elongate, much longer than the 4th: tho. transverse: legs short; thighs robust; anter. tibiae slightly dilated, and finely serrated externally.

dxii. OPHATRUM Body oblong-ovate, rather convex: ant. thickened at the tips: tho. transverse, deeply notched in front, hinder angles produced, the base closely applied to that of elytra, sides of last deflexed: wings short: anter. tibiae 3-gonate.

dxiii. HELIOPHILUS Body ovate, rather convex: ant. thickened at tip: tho. transverse, deeply notched in front, hinder angles obliquely cut off; remote from elytra, the latter united: wings 0: tibiae 3-angular, anter. slightly dilated.
dxiv. **Pedinus** Body ovate, short, flattish: **ant.** filiform, terminal joints longer than broad: **tho.** large, transverse, notched in front, **anter.** angles acute, sides dilated and round; **elytra** united: **wings 0:** _elypeus_ with a circular excision: **hinder thighs** with a groove beneath; **anter. tarsi** dilated in _ʒ_.

dxv. **Phylan** Body ovate: **ant.** filiform, terminal joints broader than long: **tho.** short, transverse, base slightly bent, hinder angles acute: **elytra** united: **wings 0:** **legs** short; **anter. tibiae** broad, 3-gonate, truncate at tip; their **tarsi** dilated in _ʒ_.

dxvi. **Crypticus** Body ovate, slightly convex: **ant.** filiform: **tho.** transverse, broader than the elytra in the middle, angles obtuse; **elytra** not united: **wings 2,** ample: **tibiae** simple; **tarsi** elongate, hinder ones longer than the tibiae, **anter.** not dilated in _ʒ_.

506 **Sarrotarium Illiger.**

2526 muticum _L._ ii. 604. — **Cur. vii.** pl. 314. — **Ste. M.** v. 5. — Black; opaque; head roughly punctured; thorax with the disc foveolated; elytra punctate-striate, with a ridge between every 2d stria; tip of antennae velvety-black. (L. 1½-1¼.) Sandy places: Hampstead Heath; Blackheath; Norwich; Burnham; Lowestoft; Bamburgh Castle, Northumberland; Crwmllyn Burrows: 4-8.

507 **Hypophleus Fabricius.**

2527 castaneus _Fab._ E. ii. 558. — **Pz. F.** xii. f. 13. — **Ste. M.** v. 6. — Chestnut-brown; shining; thickly punctured; eyes black; thorax elongate; elytra faintly punctate-striate, with fainter punctures between the striae; legs pale testaceous-red. (L. 2¼-3.) Under bark of elms: Plymouth; New Forest; Sherwood Forest: 6.

2528 bicolor _Fab._ E. ii. 559. — **Ste. M.** v. 7. — **Cur. xi.** pl. 430. — Testaceous red; shining; finely punctured; thorax somewhat 4-drate; elytra convex-cylindric, thickly and unequally punctulate, shining black, the base broadly testaceous-red; tip of abdomen black. (L. 1½-2.) Under bark of elms: Kensington Gardens; Camberwell; Sydenham Woods; South Creak, Norfolk: 6-7.

2529 depressus _Fab._ E. ii. 559. — **Pz. F.** i. f. 23. — **Ste. M.** v. 7. — Rusty-red; shining; flattish; thorax short, somewhat 4-drate, thickly punctured; elytra obtusely rounded, punctate-striate, interstices obscurely punctured; legs pale testaceous; antennae dusky-rust colour. (L. 1¼.) Under bark: Copenhagen fields: Gray’s Inn Gardens: Swansea: 6-7.

2530 brunneus _Gyll._ iii. 711. — Red-brown; shining; glabrous; head large, rounded; thorax ample, broader in front than the elytra, punctate, elytra shortish, obsolesly and irregularly punctured. (L. 1¼.) Old trees: Hertford: 6.

508 **Stene Kirby.**

2531 ferruginea _Fab._ E. i. 155. — **Olie. E.** iii. 18. pl. 2. f. 24. — **Ste. M.** v. 9. — Rusty-red; head and thorax finely punctured; elytra faintly punctate-striate, interstices thickly punctured. (L. 1½-2.) Hertford; Swaffham Bulbeck; Norwich; London: 6-7. Query imported?

509 **Uloma Meyerle.**

2532 cornuta _Fab._ E. i. 155. — **Latr. G.** ii. pl. 10. f. 4. ʒ.; f. 5. ｑ. — **Ste. M.** v. 10. — Dull red; punctulated; eyes black; thorax 4-drate, a little narrowed behind; with the hinder angles prominent; elytra punctate-striate; ʒ with the mandibles advanced, large, recurved at the tip; acute and resembling horn, the edge of the clypeus dilated, and 2 short horns on the crown. (L. 1½-2¼.)

510 Tenebrio of Authors.

2533 molitor L. ii. 674. — Pz. F. xliii. f. 12. — Ste. M. v. 8. — Pitchy-black, slightly shining, finely punctured; rusty-red beneath: mouth and anterior edge of the head pitchy-red; thorax somewhat 4-drate, with an oblique fovea near the base on each side; elytra obsoletely punctate-striate; legs rusty-red, anterior thighs short, compressed; their tibiae incurved, and slightly ciliated beneath. (L. 5-8 l.) In bakehouses, &c. throughout the country: 4-8.

2534 laticollis Ste. M. v. 8. — Black; slightly shining; thickly punctured; thorax with the sides dilated and rounded; the disc with 2 foveae, and the base with 2 short furrows; elytra rather deeply punctate-striate; body beneath pitchy-black; legs pitchy, anterior thighs short, rather thickened, the tibiae a little bent. (L. 6 l.) London: 4.

2535 † laevis Ste. M. v. 426. — Pitchy-chestnut; convex, shining; minutely punctured; elytra broadest behind the middle, obsoletely striate, the striae composed of minute punctures; legs of equal size, and with the palpi and tip of antennæ dull red. (L. 5½ l.) Stoke Newington: 6.

2536 obscurcus Fab. E. i. 146. — Cur. vii. pl. 351. — Ste. M. v. 8. — Black; opaque, very thickly punctured; pitchy beneath: thorax with an obscure dorsal furrow; elytra very obsoletely striated, the striae obscurely punctured; anterior thighs rather elongate, and a little thickened, their tibiae slender and bent, obscurely ciliated within. (L. 5-8½ l.) In bakehouses, &c.: London and Edinburgh; Carlisle; Whittlesea: 4-5.

511 Alphitobius Stephens.

2537 picipes Ste. M. v. 11. — Ul. Fagi. Cur. viii. pl. 363. — Somewhat oblong; above pitchy-black, shining; beneath, and with the mouth, legs, and antennæ rusty-chestnut; thorax somewhat 4-drate, its sides dilated in the middle; elytra finely punctate-striate. (L. 2½ l.) In flour: London; under turf; Copenhagen fields: 5-6.

(2538 mauritanicus Fab. E. i. 149. — Ste. M. v. 11. note. — Oblong-ovate, pitchy-black above; beneath, the mouth, antennæ, legs, elypeus in front, and anterior angles of the thorax pitchy; thorax somewhat quadrate, narrowed in front; elytra rather deeply punctate-striate. (L. 3 l.) In flour: London: 5-6.)

512 Opaturum Fabricius.

2539 sabulosum L. ii. 572. — Samou. pl. 2. f. 8. — Ste. M. v. 17. — Dull ashy-black, opaque: head and thorax roughly punctured; elytra each with 3 obtuse raised lines, each furnished on both sides with small polished approximating tubercles, and with a row of smaller ones near the suture and near the outer margin; antennæ pitchy-black. (L. 3-4½ l.) Sandy places: London district; Southend; Frostenden; Liverpool: 3-6.

§ B. — Microzozum De Jean.

2540 tibiale Fab. E. i. 119. — Cur. v. pl. 319. — Ste. M. v. 17. — Ovate, obtuse, convex; black, slightly shining; thickly punctured; the disc of the thorax with 5 slightly glossy tubercles; elytra with irregular transverse wrinkles and foveae, each with 2 short ridges; legs pitchy; anterior tibiae considerably dilated at the apex and triangular, 3-dentate without. (L. 1½-2 l.) Sandy places: London district; Lowestoft; Liverpool; Swansea: 6.
513 **Heliophilus De Jean.**

2541 obsoletus *Marsh.* i. 475. — *Ste. M.* v. 18. pl. xxiv. f. 2. — Black; slightly shining; head and thorax very thickly and finely punctured; elytra faintly striate, striæ punctate; interstices obscurely rugose; body rather thickly punctured beneath. (L. 5 l.) Suffolk coast.

2542 Marshami *Ste. M.* v. 19. — Very convex; above black, slightly shining; beneath pitchy-black; head and thorax very obsolescent and sparingly punctured; the latter with the base bisinuated; elypeus chestnut in front; elytra faintly striated, with smooth interstices; legs and antennæ pitchy-red. (L. 2 l.) Locality unknown.

514 **Pedinus Latreille.**

2543 femoralis *Lat. G.* ii. 165. — *Pz. F.* xxxix. f. 5. ♀; f. 6. ♂. — *Ste. M.* v. 19. — Black, slightly shining, punctured; thorax with 2 faint foveæ at the base; elytra very delicately punctate-striate, the striæ in pairs; legs black; hinder thighs bent, grooved beneath; tarsi and tip of antennæ pitchy: ♀ with anterior and hinder thighs hirsute within. (L. 4½ l.) Sandy places: Deal: 6.

515 **Phylan Megerle.**

2544 gibbus *Fab. E.* i. 116. — *Ste. M.* v. 20. — Ped. maritimus *Samou.* pl. 4. f. 2. — Black, slightly shining, punctulated; thorax with the sides dilated before the middle, rather suddenly narrowed behind, the angles acute; elytra punctate-striate, interstices roughish, the alternate ones somewhat obtusely raised: ♀ with middle and hinder tibiae, and base of hinder thighs, fringed with tawny hairs. (L. 3½-4 l.) Sandy coasts: Southend; Lowestoft; Weston; Gawdy Hall, Norfolk; Swansea: 6-7.

516 **Crypticus Latreille.**

2545 quisquilius *L.* ii. 676. — *Ste. M.* v. 21. — He. laticollis *Pz. F.* xxxvi. f. 1. ♀. — Black; slightly shining; very finely punctured; mouth and palpi pitchy; elytra obsolescently punctured, the punctures in places somewhat in striae; legs pitchy-black; tarsi and antennæ rusty-piceous. (L. 2-3½ l.) Sandy places: Devil's Ditch; 6-7.

Fam. 62. **DIAPERIDÆ Westwood.**

dxxvii. **Alphitophagus** *Body* oval, convex: *ant.* slightly clavate; terminal joint longest: *palpi* with apical joint rather thickened: *tho.* transverse, anterior margin rounded: *tibiae* simple, all similar.

dxxviii. **Trachyscelis** *Body* broadly ovate: *ant.* distinctly clavate; club 6-jointed: *tibiae* dilated, spinose; anterior serrated without.

dxxix. **Bolitophagus** *Body* ovate, obtuse, convex: *ant.* bent, rather clavate, serrated within: *eyes* lunate: *tho.* with the lateral margins crenated: *legs* stout: *tibiae* equal, slender.

dx. **Phaleris** *Body* ovate: *ant.* slightly thickened at tip, from 4th joint perfoliated: *max. palpi* with terminal joint obtrigionate: *tho.* transverse, slightly notched in front: *tibiae* elongate 3-jointed, anterior 3-angular, spinous.

dx.x. **Diaperio** *Body* somewhat hemispherical: *ant.* short, compressed, the 4th and following joints lenticular: *palpi* filiform, terminal joint elongated: *tho.* produced in the middle behind: *tibiae* spurred at the apex, hinder pair serrated externally.

dx.xi. **Platydema** *Body* ovate, somewhat convex: *ant.* moderate, 4th and following joints conical: *max. palpi* with the terminal joint enlarged, obtrigionate, or somewhat truncate: *tho.* slightly bisinuated at the base; hinder *tibiae* serrated without.
517 Alphitophagus Stephens.

2546 4-pustulatus Davis. — Ste. M. v. 12, pl. xxiv. f. 1. — Rusty-chestnut, or testaceous, shining; finely punctured; thorax piceous, or with a black patch in front; elytra punctate-striate, with the suture and 2 bands black; the 2d band sometimes with a minute apical dot. (L. 1\frac{1}{2}-1\frac{3}{4} l.) In flour, maltings, &c.: London; Cambridge: 6.

518 Trachyscelis Latreille.

(2547† Aphodioides Lat. G. ii. 177. — Ste. M. iii. 214. — Black, shining; thorax deeply punctate; elytra striated; antennae and legs pale brown. (L. 1\frac{1}{2} l.) Supposed to be taken in the New Forest: 6.)

519 Bolitophagus Fabricius.

2548 Agricola Fab. E. i. 114. — Oliv. E. iii. 11. pl. 1. f. 11. — Ste. M. v. 16. — Pitchy-brown, opaque, convex; head reticulate-rugose; thorax thickly rugulose, lateral margins crenulate, hinder angles obtuse; elytra with 8 elevated, acute ridges; intervals with a row of deep circular impressions; legs and antennae rusty-red. (L. 1\frac{1}{2}-1\frac{1}{2} l.) Boleti and fungi: Kensington Gardens; Netley; Bristol; Norfolk: 5-6.

520 Phaleria Latreille.

2549 cadaverina Fab. E. i. 149. — Sturm. D. F. ii. pl. xlvii. f. a. — Ste. M. v. 15. — Oblong; pale-testaceous, slightly shining; finely punctured; elytra simply striated, the disc mostly with an irregular dusky or blackish patch; abdomen blackish; legs and antennae pale; anterior tibie dilated. (L. 2\frac{1}{2}-3 l.) Sandy coasts: Isle of Wight; N. coast of Norfolk; Swansea: 6.

521 Diaperis Geoffroy.


(2551† Hydni Fab. E. ii. 585. — Ste. M. v. 14. note. — Shining black; elytra punctate-striate, red, with a spot before the middle, a band behind, extending to the outer margin, and the suture black. (L. 3\frac{1}{2} l.) Erroraneously introduced into the British list.)

522 Platydema Laporte and Brullé.

2552 violacea Fab. E. ii. 586. — Ste. M. v. 14. — Ch. dytiscoides Rossi i. pl. 2. f. 6. — Oblong-ovate; convex; violet black; finely punctured; elytra punctate-striate; legs rusty-piceous; antennae pitchy-black, the base and apex pale; mouth dull red. (L. 3-3\frac{1}{2} l.) Under bark: New Forest: 6-7.

2553 aenea Pk. F. iii. 359. — Pz. F. xciv. f. 9. — Ste. M. v. 14. — Ovate; above brassy-black, beneath rusty-piceous; thorax deeply notched in front, the sides dull red; elytra finely punctate-striate; interstices faintly punctured; legs and base of antennae pitchy-red, tip of latter pitchy-black. (L. 2\frac{1}{2} l.) Stumps of old trees: Kensington Gardens; Hainault; Ripley; Bexley; Leeds; Halifax; Netley, &c.: 5-7.

HETEROMERA. — HELOPIDÆ.

2555 † unistriata Howitt? — Ste. M. v. 438. — Oblong-ovate, convex; shining, punctured; above pitchy-brown, beneath pitchy-black; head, base of antennæ, and legs red; elytra punctate, with a single stria on each, near the suture. (L. 2½ l.) In a rotten oak, near Nottingham: 6.

Fam. 63. BLAPSIDÆ Leach.

(dxxiii. Misolampus Ant. sensibly thickened to the apex, the terminal joint ovate: head inflexed: tho. rounded in front, somewhat globose: elytra united, not mucronated: legs slender, tibiae elongated.

(dxxiv. Blaps Ant. filiform; the terminal joint globose-ovate, with the tip acute: head small, rounded: tho. somewhat 4-drate, flat: elytra flat, margins reflexed; apex more or less mucronate: legs robust; tibiae simple.

(523. Misolampus Lateille.)

(2556 † Pimelia Fab. E. i. 162. — Ste. M. v. 22. note. — Black; elytra punctate-striate; thorax rounded in front; antennæ with the apex red. (L. — l.) Said to occur, but I believe improperly, in England.)

524. Blaps Fabricius.

(2557 † gigas L. ii. 676. — Herbst. C. viii. pl. 138. f. 1. — Ste. M. v. 23. — Elongate, narrow, black, slightly shining; labrum deeply notched; thorax squarish-heartshape, convex, obsolescently punctured; elytra obscurely punctured, with the suture flat behind, and the apex produced into an elongate process. (L. 17 l.) Said to have been found near Portsea: 6.)

2558 mortisaga L. ii. 676. — Pz. F. iii. f. 3. — Ste. M. v. 23. — Length above twice its breadth; deep obscure black; thorax nearly 4-drate, flat, punctured; elytra smooth, punctured, but viewed laterally appearing striated; back flat; apex of each produced into a shortish furrowed mucro; legs long, 3 narrow and with the process at the tip of elytra longer. (L. 8-11 l.) Cellars; stables; vaults; &c.: London district; Ely Cathedral; York; Swansea; Newcastle; &c.:

2559 obtusa Fab. E. i. 141.? — Cur. iv. pl. 148. — Ste. M. v. 23. — Length rarely twice its width, the latter considerable; deep obscure black; thorax broader than long, distinctly punctured; elytra thickly rugose-punctate, the apex obtuse; legs rather short and stout. ² with a tuft of hair at the base of the abdomen. (L. 9-12 l.) Houses, stables, &c.: Hertford; Cambridge; Brighton; Weston:

Fam. 64. HELOPIDÆ Stephens.

(dxxv. Helops Ant. somewhat filiform: tho. squarish, or rather heart-shaped; body oblong-ovate; elytra free: wings short, or rudimentary.

525 Helops Fabricius.

2560 caeruleus Fab. E. i. 156. — Ste. M. v. 25. — He. violaceus Samou. pl. iv. f. 4. — Above blue-black or violet, shining; beneath black; head and thorax thickly punctate, margins raised; elytra punctate-striate, interstices punctured, apex obtuse: tarsi and tip of antennæ pitchy. (L. 8-10 l.) In houses, gardens, &c.: South Lambeth; Camberwell; Darenth; Epping Forest; Bristol; Swansea; Aldbro; Carlisle: 5-9.

2561 lanipes L. M. 533. — Pz. F. 1. f. 2. — Ste. M. v. 25. — Above brassy black, punctured; beneath black; elytra punctate-striate, interstices punctured; apex of each produced; legs and antennæ brassy: 3 with the thighs robust, 4 anterior tarsi dilated, and with a dense woolly pile beneath. (L. 7½ l.) Under stones: Cornwall, and Kingsbridge, Devon: 6.

2562 pallidus Cur. v. pl. 298. — Ste. M. v. 26. — Ochreous; shining; very
finely punctured; eyes black; thorax transverse, a little narrowed behind, with rectangular angles; elytra irregularly punctate-striate, suture, tips of thighs and claws dull red. (L. 4-5 l.) Sandy coasts: Barmouth; Swansea: 6.

2563 striatus *Oliv. E.* iii. 6. pl. 1. f. 4. — *Ste. M.* v. 26. — Above brownish-brass, glossy; beneath pitchy-chestnut; punctured; thorax short, transverse-4-drake, the sides rounded to the hinder angles, which are not rectangular; elytra simply punctate-striate, interstices confluent punctured; legs and antennæ pitchy: with 4 anterior tarsi dilated and pilose beneath. (L. 3-5 l.) Under roots and bark of trees: widely distributed: (7).

(2564) quisquilis *Fab. E.* i. 163. — *Pz. F.* 1. f. 5. — *Ste. M.* v. 26. note. — Black, with the antennæ and legs dull red. (L. 3 l.) Erroneously said to be British.)

Fam. 65. CISTELIDÆ Leach.


526 *Eryx* Stephens.

2565 niger *De Geer,* iv. 25. pl. 1. f. 23, 24. — *Ste. M.* v. 27. — Black, slightly shining; clothed with a very short black pile, thickly but obscurely punctured; elytra faintly punctate-striate; legs, antennæ, and mouth pitchy-black. (L. 5-7 l.) Under bark, &c.: Walthamstow; Coombe Wood; Hammersmith; Cambridge; Windsor; Norwich: 3-7.

527 *Mycetocharus* Latreille.

2566 scapularis *Gyll.* ii. 549. — *Ste. M.* v. 28. — Cis. humeralis *Pz. F.* xxv. f. 14. — Linear-elongate; black, shining; mouth, base of the antennæ, tibíæ, tarsi, and an ovate spot on the shoulders of the elytra testaceous-red. (L. 2½-3 l.) Old posts, &c.: Copenhagen fields; Coombe Wood; Ripley; Bottisham; Swansea; New Forest: 5-7.

528 *Cistela* Fabricius.

2567 Ceramboides *L.* ii. 602. — *Cur. xiii.* pl. 594. — *Ste. M.* v. 29. — Black, with a delicate silken pile; finely punctured; elytra punctate-striate, pale testaceous; antennæ long, acutely serrated within, especially of the 3. (L. 5-5½ l.) Umbelliferous flowers in hedges: Hertford;
Darent Wood; Sydenham; Camberwell; Cambridge; Parley Copse; Leominster: 6-7.

2568 castanea Marsh. i. 223. — Ste. M. v. 29. — Rusty-red, or chestnut, shining; head brownish; head and thorax punctured; elytra punctate-striate, interstices slightly punctulate; legs and antennae pale testaceous, the latter very long. (L. 4½-5 l.) On flowers; widely distributed: 6-7.

2569 fulvipes Fab. É. ii. 19. — Ste. M. v. 29. — Ci. Luperus Herbst. A. pl. 22. f. 10. — Shining black, sometimes with a brassy tinge: mouth, labrum, anterior ridge of the forehead and antennae dull red, the latter long; elytra punctate-striate, interstices punctured; legs entirely testaceous-red; tip of antennae rather dusky. (L. 4-5 l.) Hedges: Hertford; Darent; Birchwood, Dover; Norfolk: 6-7.


2571 murina L. ii. 602. — Mart. C. pl. 16. f. 32. — Ste. M. v. 30. — Black, above opaque, clothed with a delicate silken pile; base of antennae, legs, and elytra testaceous-yellow, the latter faintly striate; tip of antennae fuscous. (L. 2½-3 l.)


529 OMOPHUS De Jean.

2572 † Amerina Cur. xiii. pl. 622. — Black, shining; minutely punctured; elytra testaceous, slightly pubescent, and with some faint punctured striae; tibiae slightly chestnut at the tip; tarsi pale chestnut. (L. 3½-4 l.) On the thrift: Cjesil Bank, Isle of Portland, and near Weymouth: 6-8.

530 MEGISCHIA Solier.)

(2573 † curvipes De Jean. C. p. 235. — Ste. M. v. 426. — Black; elytra testaceous; tibiae slightly bent; tarsi chestnut. (L. 4 l.) Introduced in mistake for Omaphus Amerina.)

531 CTENIOBUS Solier.

2574 sulphurea L. ii. 602. — Mart. C. pl. 17. f. 44. — Ste. M. v. 31. — Pale sulphureous-yellow; tarsi and antennae dull red; tip of the latter and of the mandibles, as also the maxillary palpi, brownish; elytra very obsolescent striated. (L. 4½ l.)


Fam. 66. LAGRIIDÆ Westwood.
dxxxii. LAGRIA Body oblong, hairy: tho. cylindric, much narrower than the elytra; the latter ample, soft: tibiae slender, sparsel; tarsi spongy beneath. ♂ with the apical joint of antennae very long.

532 LAGRIA Fabricius.


Fam. 67. MELANDRYIDÆ Leach.
dxxxiii. MELANDRYA Body elongate-ovate, narrowed in front, flatish: ant. short, bent, somewhat filiform: head nutant: tho. somewhat trapeziform:
max. palpi large, 4-jointed, serrated, terminal joint robust, ovate, inner margin fleshy.


(Dxxxv. Xilita Body elongate; somewhat cylindric: ant. short, bent, the apical joint with an abrupt appendage: head deflexed: eyes lunate: tho. acuminated in front, waved behind: max. palpi slender, bent, terminal joint large, 3-angular, with a groove within.)


Dxxxviii. Aedera Body elongate-ovate: ant. slightly thickened at the tips, 2d and 3d joints of equal length: head deflexed: tho. broadest behind: max. palpi with the apical joint ovate.


DxIi. Orchesia Body elongate-ovate, convex: ant. clavate: head inflexed: eyes elongate: tho. somewhat orbicular, hinder angles acute: max. palpi with terminal joint rather hatchet-shaped: legs slender; hinder tibiae short, with 2 long spurs at the apex; 2 hinder tarsi simple, the anter. with penult. joint bilobed.

533 Melandrya Fabricius.

2576 caraboides L. ii. 602. — Mort. C. pl. 17. f. 58. — Ste. M. v. 34. — Black; slightly pubescent and shining; thorax flattish, with a small oblong fovea at the base on each side; elytra bluish, obliquely sulcated, interstices striated, and thickly rugose punctate; terminal joint of tarsi and of antennae dull red. (L. 4-7 l.) Bark of trees: widely distributed: 6.

2577† canaliculata Fab. i. 164. — Cur. iv. pl. 155. — Ste. M. v. 34. — Black; slightly pubescent; thorax with the disc a little raised, with a dorsal furrow, and 2 elongate fovea at the base; elytra with broad flat sulci, the interstices forming 4 elevated ridges on each; tips of apical joints of tarsi and of antennae testaceous. (L. 5-6 l.) Old trees: New Forest, near Brockenhurst: 6.

534 Philiotrya Stephens.

2578 rufipes Gyll. ii. 519. — Ste. M. v. 35. pl. xxiv. f. 4. — Pitchy-brown; slightly pubescent; thickly punctured; anterior ridge of thorax and body beneath rusty pitchy; legs entirely and base of antennae testaceous, tip of the latter fuscous: elytra sometimes dull testaceous. (L. 4-7 l.) Old oaks: Windsor and New Forests; Tunbridge Wells: 6.

(535 Xilita Fabricius.)

(2579† buprestoides Ph. F. i. 249. — Ste. M. v. 36. note. — Ly. levigatum Pz. F. xxiv. f. 16. — Pitchy-brown, pubescent; thickly punctured; antennae at the base, and the tibiae and tarsi, rusty-brown. (L. 6? l.) Recorded in mistake as British.)
536 Dirceoa Fabricius.

2580 † variegata Fab. E. ii. 90. — Act. N. H. Paris i. pl. 10. f. 2. — Ste. M. v. 36. — Fuscos; head and thorax spotless; elytra smooth, pale testaceous, varied with fuscos; body testaceous; antennae pale testaceous. (L. 3 l.) Old trees: Windsor?

537 Hypulus Paykull.

2581 Quercinus Ph. F. i. 252. — Ste. M. v. 37. pl. xxiv. f. 5. — Pitchy-red, pubescent; thorax dusky, with a deep fovea on each side at the base: elytra dull red, with an arch at the base, an irregular band behind the middle, not touching the margin, and the apex black; legs pale, antennae dull, red. (L. 3-3½ l.) Old trees: Darent and Coombe woods; Godstone; Wood Ditton, &c.: 5-6.

538 Abdera Stephens.

2582 bifasciata Marsh. i. 493. — Ste. M. v. 38. — Hy. biflexuosus Cur. vi. pl. 253. — Pitchy-black; pubescent; finely punctured; elytra glabrous, with 2 testaceous-yellow waved bands, the broadest before, and the other behind, the middle; legs and antennae pitchy testaceous. (L. 1¼-2 l.) Hedges: Ripley; Southgate; Highgate; Wimbledon Common: 6.

2583 4-fasciata Cur. fo. 255. — Ste. M. v. 38. pl. xxiv. f. 6. — Black; slightly pubescent; mouth and labrum testaceous; anterior and posterior margins of thorax the same; elytra with a waved testaceous band before the middle, and a narrower flexuous one behind; legs and base of antennae pale testaceous, tip of the latter fuscos. (L. 1½-1¾ l.) Hedges: New Forest; Shropshire: 6.

2584 † picea Ent. M. (Walk.) iii. 83. — Piceous; shining, finely punctured; nearly glabrous; eyes pitchy-black; thorax tawny, disc pitchy; legs tawny; antennae fuscos with the base tawny. (L. 1¼ l.) Near London: 6?

539 Scaptia Latreille.

2585 † fusca Lat. G. ii. 200. — Ste. M. v. 39. — Dusky brown; obscure, clothed with a fine villous down; beneath darker and more glossy; thorax short, semicircular; elytra finely punctulated; legs pale brown; tibiae and tarsi dull red. (L. 1½ l.) Near Windsor: 6.

2586 nigricans Ste. M. v. 39. pl. xxiv. f. 3. — Dusky pitchy, with a fine golden pile above; thorax with an obscure fovea on each side of the base; elytra rather paler than the thorax, very finely punctulated; legs entirely pale testaceous; antennae fuscos. (L. 1½ l.) Gardens: Ripley: 7.

540 Hallocenus Paykull.


2588 flexuosus Ph. F. ii. 182. — Cur. x. pl. 474. — Ste. M. v. 426. — Testaceous above; nearly smooth; the crown, middle of the thorax, the scutellum, and 2 narrow, very much angulated bands on the elytra black. (L. 1½-1¾ l.) On fungi on willows: Cambridge; Peterborough: 5-6.


541 Orchesia Latreille.

2590 micans Ill. K. i. 135. — Ste. M. v. 41. — Me. picea Pz. F. xvii. f. 17. — Above pitchy-brown, or testaceous, with a silken pile, finely rugose-
punctate; elytra rather paler, spotless; apex sometimes palish; mouth, palpi, legs, antennæ, and body beneath dull-red; eyes black. (L. 2-2⁴₄ l.)

On Boleti: London district; Bottisham; S. Wales; Barmouth: 5-6.

2591 minor Ent. M. (Walker) iii. 83. — Pitchy-brown, with a silken pile; very finely punctulate; head, thorax, breast, abdomen, and legs pitchy; palpi dull red; antennæ slender, somewhat clavate, dull pitchy, the base and under side dull red. (L. 1¼ l.) New Lanark, and near London: 6.

2592 † fasciata Ph. F. ii. 182. — Curt. v. pl. 197. — Ste. M. v. 41. — Pitchy-brown, or dull red; minutely punctured; and with a short yellowish pile; eyes black; elytra testaceous, with a double spot near the base, a bent one before the middle, and a broad band behind, with the apex, black; legs and antennæ dull red. (L. 2 l.) Beat out of whitethorn, near Lyndhurst: 6.

Fam. 68. MORDELLIDÆ Leach.

dxiii. ANASPS Scutel. distinct: abdomen not armed with an anal style: ant. a little thickened at the tips; joints short, conic-cylindrie: hinder tibiae with long spurs at the tip; 4 anterior tarsi with penult. joint bilobed.

dxiii. MORDELLA Scutel. distinct: abdomen with an elongate acute style at the apex: ant. short, slightly serrated: tho. lobed behind: hinder tibiae with long apical spurs; tarsi entire.

dxiv. RIPHORUS Scutel. concealed: eyes remote: body compressed: elytra rather shorter than the body, acuminate, gaping: wings exposed: ant. of ♂ bipectinated; of ♀ semiserated.

(dxiv. RIPIDUS Scutel. concealed: eyes large, united above: elytra very short, dilated externally at the base, attenuated at the apex: wings ample, exposed: ant. of ♂ very deeply pectinated; ♀ apterous?)

542 ANASPS Geoffroy.

2593 frontalis L. ii. 682. — Wood. i. pl. 28. — Ste. M. v. 42. — Black, with a brown pile; mouth, labrum, base of antennæ, and anterior legs pale testaceous; middle thighs pitchy; anterior margin of forehead in ♂ testaceous-yellow, in ♀ pitchy-red. (L. 1-2 l.) Flowers and hedges: generally distributed: 5-7.

2594 lateralis Fab. E. ii. 125. — Ste. M. v. 43. — Black, with a brown pile; mouth, labrum, and forehead, and sides of the thorax, broadly testaceous; 4 anterior legs entirely, and base of hinder thighs, testaceous-yellow; rest of hinder legs brownish; base of antennæ yellowish. (L. 1½-1¾ l.) Hedges: Ripley; S. Wales: 6-7.

2595 ruficollis Oliv. E. iii. 9. pl. 1. f. 9. — Ste. M. v. 43. — Black, with a dusky pile; mouth, base of antennæ, and legs yellowish; tips of antennæ and of joints of tarsi dusky; thorax reddish-yellow. (L. 1-1¼ l.)


2596 fuscescens Ste. M. v. 43. — Black, with a fuscous pile; head, thorax, and legs entirely testaceous-yellow; eyes black; base of antennæ pale testaceous; apex fuscescent. (L. 1¼-1½ l.) On flowers: South Lambeth and Ripley: 6-7.


2598 melanopa Forst. C. i. 64. — Ste. M. v. 44. — Testaceous-yellow; pubescent; eyes, breast, and abdomen black; elytra with 3 broadish spots, 1 basal, the 2d a bent band-like one, the 3d common and near the apex; tips of the antennæ and of the joints of the tarsi dusky: — disc of thorax
sometimes with a dusky spot. (L. 1\(^\frac{1}{2}\) l.) Abundant in flowers, every where: 5-7.

2599 pallida Marsh. i. 492. — Ste. M. v. 44. — Pale testaceous, pubescent; spotless; eyes black; breast, abdomen, and tip of the antennæ dusky-black; legs wholly testaceous. (L. 1\(^\frac{1}{2}\)-1\(^\frac{1}{2}\) l.) Flowers: South Lambeth and Ripley: 6-7.

2600 lurida Kirby. — Ste. M. v. 44. — Lurid-testaceous, slightly pubescent; eyes black; elytra with the apex somewhat brownish; abdomen black: legs and base of antennæ pale testaceous, tip of latter blackish. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district; Suffolk: 6.

2601 flava L. ii. 682. — Pz. F. xiii. f. 14. — Ste. M. v. 45. — Testaceous-yellow, slightly pubescent; eyes, breast, and abdomen black; elytra testaceous, the tip more or less indeterminately brownish; legs and base of antennæ pale yellow, apex of the latter dusky. (L. 1-1\(^\frac{1}{2}\) l.) Flowers: London district; S. Wales: 6.

2602 subtestacea Ste. M. v. 45. — Mo. testacea Marsh. i. 493. — Testaceous; slightly pubescent, shining; eyes alone and tip of antennæ black. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district: 6.

2603 fusca Marsh. i. 493. — Ste. M. v. 45. — Pale dull yellow, very pubescent; elytra obscure, somewhat fuscous; eyes black: tip of antennæ fuscous. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district: 6.

2604 testacea Forst. C. i. 63. — Ste. M. v. 45. — Testaceous; slightly pubescent; head black; thorax dull testaceous, sometimes fuseescent; legs and antennæ entirely pale testaceous. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district: 6.

2605 subfasciata Ste. M. v. 45. — Black, slightly pubescent: mouth and base of antennæ, margins of thorax, tibiae and tarsi testaceous-yellow: elytra testaceous, the suture, a 3-angular patch at the base, and a wide central band fuscous; thighs pitchy-black; tip of antennæ dusky. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district: 6.

2606 4-pustulata Marsham. — Ste. M. v. 46. — Black; slightly pubescent: elytra with a large pale testaceous-red blotch at the base, and a smaller one near the apex. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district; Bristol and Suffolk: 6.

2607 fasciata Forst. C. i. 65. — Ste. M. v. 46. — Fuscous-black, pubescent: mouth and base of antennæ testaceous; elytra also testaceous, with a broad band in the middle, the suture narrowly and the apex black; legs and tip of antennæ fuscous. (L. 1\(^\frac{1}{4}\)-1\(^\frac{1}{2}\) l.) Flowers: London and Edinburgh districts; Cambridge: 6.

2608 4-notata Ste. M. v. 46. — Black, slightly pubescent; mouth and base of antennæ testaceous-yellow, apex of the latter fuscous: thorax spotless; elytra black, with 4 testaceous spots. (L. 1\(^\frac{1}{2}\) l.) Flowers: Ripley; Hertford, &c.: 6.

2609 biguttata Marsh. i. 492. — Ste. M. v. 46. — Black; slightly pubescent; mouth and base of antennæ testaceous; elytra with an irregular broad yellowish patch at the base, towards the outer margin. (L. 1\(^\frac{1}{2}\) l.) Flowers: London district; Bottisham; Cambridge; Weston; S. Wales: 6-7.

2610 scapularis Ste. M. v. 47. — Deep black, slightly pubescent and shining; elytra with an indistinct ovate yellowish spot placed obliquely at the base. (L. 1\(^\frac{3}{4}\) l.) Flowers: Bristol: 6.

543 Mordella Linné.

2611 abdominalis Fab. E. ii. 125. — Ste. M. v. 47. — Cur. xi. pl. 483. — Black; finely punctured: mouth and palpi testaceous; thorax and ab-
domen testaceous yellow; the latter with a black style; anterior legs testaceous, middle pitchy, hinder black; antennae dusky-black, basal and terminal joints testaceous. (L. 2½-3½ l.) Hedges: Copenhagen fields; Coombe Wood; Ripley; Monk's Wood; New Forest; Swansea: 6-7.

2612 aculeata L. ii. 682. — Shaw G. Z. vi. pl. 38. — Ste. M. v. 48. — Black, with a silken pile; mouth pitchy; thorax short, transverse, the base waved, disc very convex; elytra attenuated, with a single stria towards the suture; body with a silvery pile beneath, its apex with an elongate style; antennae distinctly serrated. (L. 2-2¾ l.) Hedges: Ripley; Hertford; Monk's Wood; Swansea; Scotland: 6.

2613 pumila Gyll. ii. 605. — Ste. M. v. 48. — Black; spotless; with a dark silken pile; mouth pitchy; thorax somewhat 4-drinate, rather longer than broad, base 2-sinuated, middle lobe notched; elytra nearly linear; body slightly shining beneath, its apex with an elongate style; antennae filiform, scarcely serrated. (L. 1¼-2 l.) Flowers: Coombe Wood; Hertford; Ripley; S. Wales: 6-7.

2614 parvula Gyll. iv. 519. — Black, spotless, with a bright griseous silken pile; thorax nearly as wide as long, base slightly 2-sinuated, middle lobe rounded, entire; abdomen rather glossy, anal style very short, conical, thickened at the base; mouth and base of antennæ pitchy; anterior thighs sometimes dull testaceous. (L. 1¼-1½ l.) Flowers: Dulwich; Penge Wood, &c.: 6.

2615 Ruficeps Stephens. — Black; clothed with a griseous silken pile; head red; eyes brown; thorax rather long, deeply 2-sinuated behind, the middle lobe notched; elytra densely pubescent; abdomen with an elongate, slender acute style; 4 anterior thighs and base of their tibiae bright testaceous, apex of the latter dusky; posterior tibiae reddish, and antennæ reddish at the base. (L. 1½ l.) Flowers: near Camberwell: 6.

2616 ventralis Fab. E. ii. 125. — Ste. M. v. 48. — Black, with a silken pile; mouth and base of the antennæ dull testaceous; thorax black, 4-angular, with an ashly pile; elytra considerably attenuated behind, with a rusty pile; abdomen testaceous-yellow, with a longish style, black at tip, and testaceous at base; antennæ pitchy. (L. 2½ l.) Hedges: Darenth Wood; Ripley; Hertford: 6-7.

2617 humeralis L. ii. 682. — Pz. F. lxii. f. 3. — Ste. M. v. 49. — Black, with an ashly pile; mouth and thorax entirely testaceous-yellow; elytra somewhat linear, with a wedge-shaped testaceous-yellow spot on the shoulder; 4 anterior legs testaceous; forehead pitchy-red. (L. 2½ l.) Flowers: Hertford: 6.

2618 variégata Fab. E. ii. 122. — Ste. M. v. 49. — Mo. dorsalis Pz. F. xlii. f. 15. — Black; with an ashly pile; mouth and thorax testaceous-yellow, the latter with a large basal black spot, and sometimes with the anterior edge brownish; elytra with a large elongate pale testaceous streak at the base, narrowed behind, and extending nearly to the middle; legs and antennæ entirely testaceous: — thorax sometimes black, with the sides testaceous. (L. 2-2½ l.) Hedges: Ripley and Darenth Wood: 6-7.

2619 flavescens Marsh. i. 490. — Ste. M. v. 50. — Dull red, pubescent; paler beneath; eyes black; anal style elongate, chestnut or brownish; legs and antennæ paler dull red: — elytra sometimes dusky. (L. 2½ l.) Hedges: Ripley; Coombe Wood, Darenth Wood, Hertford; S. Wales: 6-7.

(2620) brunnea Fab. E. ii. 125. — Ste. M. v. 50. note. — Head and thorax testaceous, spotless; elytra testaceous, with the tip obscure; abdomen brownish, with the anal style black; legs and base of antennæ testaceous, tip of the latter fuscous. (L. 2½ l.) Improperly recorded as British.)
HETEROMERA. — CANTHARIDEÆ.

2621 fasciata Fab. E. ii. 122. — Samou. pl. 4. f. 8. — Ste. M. v. 50. — Black, thickly punctulated; densely clothed with an ashy pile; thorax with 2 ashy pilose lines and the sides the same; elytra with a single sutural stria on each, the suture and disc variegated with ashy down; behind the middle of the latter a whitish spot of the same; anal style short; antennæ slender, serrated. (L. 3-5 l.) On flowers: New Forest; Monk's Wood; Dover; Swansen: 6-7.

544 Ripiphorus Fabricius.

2622 paradoxus L. ii. 682. — Cur. i. pl. 19. — Ste. M. v. 51. — Black; slightly pubescent; thorax with a deep groove, the hinder angles testaceous; abdomen testaceous-yellow, with its apex often black; generally with the elytra testaceous tipped with black, sometimes all black, or intermediate. (L. 6-9 l.) In wasps' nests, and on flowers: Coombe Wood; Godstone; Cambridge; Netley: 7-9.

(545 Ripidium Thunberg.)

(2623 anceps Ste. M. v. 427. — Pitchy-black; slightly glossy; eyes deep black, granulated; thorax very rough; elytra smooth, pale pitchy-brown; legs pale fuscous, with the joints pale at their origin; antennæ of a pale whitish ochre. (L. 2 l.) Among papers: London: perhaps not truly indigenous.)

Fam. 69. CANTHARIDEÆ Leach.

dxlvi. Sitaris Ant. simple; palpi filiform; max. with terminal joint somewhat ovate: head inflexed: tho. orbicular-quadrate: elytra shorter than the body, much narrowed towards the tip, and gaping: wings 2, ample.

dxlvii. Proscarabeus Ant. thickened in the middle, distorted, especially in the 3; palpi with terminal joint thickened: head vertical, broader than the thorax, the latter squarish, flat on the back: elytra very short, lapping over each other at the base: wings 0.

dxlviii. Meloë Ant. filiform, or rather thickened at the tips; not distorted: palpi with the terminal joint slightly thickened, or acute: head scarcely wider than thorax, which is transverse-quadrate: elytra very short, lapping over each other at the base: wings 0.

dxlix. Cantharis Ant. elongate, simple, filiform: max. palpi with terminal joint somewhat ovate: head large, heart-shaped: tho. small, rather quadrate, narrower than the elytra, which are as long as the abdomen, soft, linear, the apex slightly gaping: wings 2, ample.

dl. Sybaris Ant. elongate, simple, filiform: max. palpi with terminal joint hatchet-shaped: head deflexed, very broad: tho. elongate, somewhat conic, narrowed in front: elytra wider than thorax, soft, linear, as long as abdomen, apex not gaping: wings 2, ample.

546 Sitaris Latreille.


547 Proscarabeus Leach.

2625 violaceus Marsh. i. 482. — Lin. Tr. xi. pl. vii. f. 3, 4, 5. — Ste. M. v. 65. — Violet; head and thorax finely punctured; the latter with a note behind; elytra rough: abdomen dark, with a rough violet spot on
each segment. (L. 4 l. — 1 in. 3 l.) Meadows, &c.: widely distributed: 4-6.

2626 vulgaris Ste. M. v. 66. — Me. proscarabæus L. ii. 679. — Lin. Tr. xi. pl. vii. f. 6, 7. — Black with a bluish tinge; head and thorax punctured, and with their sides violet; the latter margined behind; elytra rough; abdomen with a rough patch on each segment; legs and antennæ violet, tip of latter pitchy. (L. 3 l. — 1 in. 7 l.) Meadows and grassy banks: widely distributed: 4-5.

2627 rugicollis Ste. M. v. 66. — Black, head and thorax roughly punctured, their sides violet, the latter with the hinder margins entire; elytra rather short, and nearly smooth; abdomen glabrous, slightly rugose; legs and antennæ tinted with violet, rather slender. (L. 9-12 l.) Meadows: London district and Devonshire: 4-5.

2628 tectus Pz. F. x. f. 14. — Lin. Tr. xi. pl. vii. f. 8, 9. — Ste. M. v. 67. — Black; head and thorax punctured, the former violet, the latter margined and slightly notched behind; elytra elongate, rather rough; abdomen short, roughish; legs robust, and antennæ purplish-violet; the 3 middle joints of the latter very short, apex pitchy. (L. 8-12 l.) Heaths: Hampstead; Swansea: 4-5.

2629 autumnalis Oliv. E. vi. 45. pl. 1. f. 2. — Ste. M. v. 67. — Me. glabratus Lin. Tr. xi. pl. vii. f. 1, 2. — Purplish, or violet-black, sometimes brassy; head, thorax, and elytra glabrous, with faint punctures, crowded on the elytra; abdomen smooth above, very much punctured beneath; antennæ dusky, tip pitchy. (L. 5-7½ l.) Heaths: Dartford; Exmouth and Tavistock: 9-10.

548 Meloë of Authors.

2630 brevicollis Fab. E. ii. 588. — Lin. Tr. xi. pl. vi. f. 9. 9. — Ste. M. v. 68. — Cur. vi. pl. 279. 9. — Black; deeply punctured; thorax transverse, very short, deeply notched behind; elytra roughish, with the apex rounded; antennæ rather thickened towards the apex: 9 with the head wider than the thorax, and the elytra covering the abdomen. (L. 5-9 l.) Sandy heaths: Ockham Heath, near Ripley; Tavistock; Christchurch; Windsor: 4.


2632 cicatricosus Leach. — Lin. Tr. xi. pl. vi. f. 5, 6. — Ste. M. v. 68. — Black, obscure; head and thorax thickly and very coarsely punctured, the latter transverse; elytra bluish-black, with confluent shining glabrous elevations, the interstices rough: 6 with the elytra obliquely truncate. (L. 1 in. — 1 in. 10 l.) Meadows: Southend; Margate; Ramsgate: 4-5.

2633 variegatus Don. ii. pl. 67. — Lin. Tr. xi. pl. vi. f. 1, 2. — Ste. M. v. 69. — Somewhat brassy; tinted with purple-violet; head and thorax punctate; elytra with raised shining confluent points, interstices obscure: abdomen with the dorsal segments anteriorly golden-green, and posteriorly violet-red copper, beneath variegated with purple and gold. (L. 8 l. — 1 in. 10 l.) Meadows: Isle of Thanet, between Broadstairs and Ramsgate: 4-5.

549 Cantharis Geoffroy.

2634 vesicatoria L. ii. 679. — Ste. M. v. 70. — Cur. xiv. pl. 658. — Bright glossy brassy-green or bluish, glabrous; beneath more glossy and with a few hairs; breast densely pubescent, finely punctured; head and thorax with a longitudinal channel; elytra with 2 slightly raised lines; tarsi
violaceous; antennæ black, with the basal joint brassy. (L. 6-11 l.) On
the ash tree: Cheltenham; Bottisham; Hitcham, and near London: 6.

550 Sybaris Stephens.

2635 immunis Marsham. — Ste. M. v. 70. pl. xxv. f. 4.— Fuscous, with a
fine glossy pile; head and thorax testaceous; labrum and palpi black;
elytra lurid-yellow, with 4 obscurely raised lines; legs pale yellow, the
coxæ, knees, and tarsi, black. (L. 5½ l.) Rochford, Essex.

Fam. 70. Oedemeridæ Leach.

dli. Ischnomera Body elongate; ant. filiform, not serrated, terminal joint
abruptly ending in a point: head produced in front: tho. oblong, not mar-
gined, narrowed behind: elytra somewhat linear, sometimes slightly nar-
rrowed behind, not subulated: thighs all slender.
dlii. Oedemera Body elongate, somewhat linear; ant. setaceous, terminal
joint acute: head produced in front: tho. rather 4-drate, the base nar-
rrowed; not margined: elytra elongate, subulate, divaricating. DATES
with hinder thighs much incrassated.
dlii. Oncomera Body elongate, flattish: ant. setaceous; terminal joint ab-
ruptly narrowed in middle: head produced in front: tho. oblong, sides
deflexed: elytra elongate, somewhat linear, slightly gaping at the tip. DATES
with hinder thighs much incrassated, their tibiae angulated at base, and
rather bent.
dlv. Nothus Body elongate, nearly cylindric: ant. filiform, terminal joint
short, acute: palpi with terminal joint hatchet-shaped: tho. orbiculate,
flat, margined: elytra linear. DATES with hinder thighs greatly incrassated, their
tibiae bent and angulated.
dlv. Conopalpus Body linear-elongate: ant. 10-jointed, filiform, robust:
max. palpi with terminal joint very long, conic; lab. with apical joint
broad, hatchet-shaped: tho. transverse, orbicular: elytra ovate: thighs
simple.

(dlv. Calopus Body elongate, narrow: ant. 10-jointed, filiform, deeply ser-
rated: max. palpi with terminal joint somewhat hatchet-shaped; lab. with
same joint thickened and ovate: elytra linear: thighs simple.)
dlvii. Eugenes Body elongate: ant. of DATES very long, filiform, slightly ser-
rated, 2d joint minute; of DATE short, thickened towards the apex, 2 basal
joints robust: palpi hatchet-shaped: tho. somewhat 4-drate; elytra flattish:
hinder thighs slightly thickened, penult. joint of tarsi minute. DATE with
the eyes large, approximating.
dlviii. Xylophilus Body oblong-ovate: ant. rather long, 2d joint short,
3d long and thickened at tip: max. palpi with terminal joint hatchet-
shaped: tho. rounded, widest behind: legs elongate, hinder thighs slightly
incrassated.
dlix. Aderus Body ovate: ant. moderate, 2d and 3d joints minute: max.
palpi with terminal joint large, hatchet-shaped; lab. with the same joint
clavate: tho. somewhat 4-drate, rather narrowed before: elytra broad, di-
lated behind: legs simple: eyes moderate, entire.

551 Ischnomera Stephens.

|§| A. Ant. 11-jointed in both sexes: — Asclera De Jean.

2636 flavicollis Pz. F. xxiv. f. 18. — Ste. M. v. 54. — Oed. sanguinicolli
Cur. ix. pl. 290. — Brassy-black, punctured, slightly pubescent; head
greenish; thorax tawny red, with 3 foveæ; elytra dull olive-green, co-
raceous, with 3 long and 1 short raised line on each; 3 basal joints of an-
tenne pale black. (L. 5-6 l.) On flowers, and in decayed trees: Windsor and New Forests; Coombe Wood; Bristol; Ireland: 6.

2637 cærulea L. ii. 650. — Ste. M. v. 55. — Æd. cærulescens Oliv. E. iii. 50. pl. 2. f. 17. — Blue-green, finely punctured, and slightly pubescent; antennæ black; elytra coriaceous opaque, each with 3 raised lines; tibiae and tarsi brownish. (L. 3-4½ l.) Hedges: Darent; Norfolk; Suffolk; Dorset; Devon; New Forest, &c.: 6.

(2638) viridissima Fab. E. ii. 369. — Oliv. E. iii. 50. pl. 2. f. 15. — Ste. M. v. 55. note. — Brassy-green, punctured, slightly pubescent; base of the antennæ and the legs testaceous, knees black. (L. 4 l.) Indicated erroneously as British.)

2639 lurida Marsh. i. 360. — Ste. M. v. 55. — Dull blue-green, very much punctured, slightly pubescent; thorax short, with 3 foveæ; elytra with 2 slightly raised lines on each, the tip a little narrowed. (L. 2½-4 l.) Grassy places: widely distributed: 6-7.

§ B. Ant. 12-jointed in ♀; 11-jointed in ♂: — Nacerda Steven.

2640 melanura L. ii. 651. — Oliv. E. iii. 50. pl. 1. f. 8. — Ste. M. v. 54. — Head and thorax testaceous-yellow; elytra paler, with the tip black; breast and abdomen pitchy-black; thighs dusky, tibiae and tarsi testaceous: ♀ with 12 joints to the antennæ, the thorax on each side with a black or dusky spot. (L. 4-9 l.) Old timber: banks of Thames; Humber; Severn; at Chatham; Deal; Portsmouth; Yarmouth: 6-7.

552 Ædemera Olivier.

§ A. Elytra not attenuated: — Anogcodes De Jean.

(2641) sanguinicolis Fab. E. ii. 370. — Oliv. E. iii. 50. pl. 1. f. 12. — Fuscescent; thorax rounded, red, with 2 foveae; elytra fuscescent, with 3 raised lines: ♀ with hinder thighs thickened. (L. 5 l.) Improperly considered to be indigenous.

§ B. Elytra attenuated: — Ædemera pr.

2642 cærulea L. ii. 642. — Don. xvi. pl. 558. — Ste. M. v. 56. — Green or blue, with a yellowish or golden tint, and a flavescent pile; very glossy; elytra subulated, coriaceous, each with a longitudinal raised line, and a shorter one towards the scutellum; antennæ and palpi blue-green; anterior tibiae sometimes testaceous at the base. (L. 4-6 l.) Abundant on flowers: widely distributed throughout the South: 6-7.

2643 clavipes Fab. E. ii. 373. — Æd. flavipes Oliv. E. iii. 50. pl. 2. f. 18. — Dull green, somewhat opaque: thorax deeply foveolated; elytra greatly attenuated, the disc with 3 raised lines, the inner one shortest; anterior legs and base of antennæ testaceous. (L. 4½ l.) Flowers: Southend: 6.

2644† marginata Fab. E. ii. 373. — Ste. M. v. 57. — Ne. femorata Pz. F. xxxvi. f. 12. ♀. — Head and thorax black, spotless; elytra testaceous, with the entire margin black; abdomen black, with the sides testaceous; legs black. (L. 5 l.) Locality not known.

(2645) Podagraric L. ii. 642. — Oliv. E. iii. 50. pl. 1. f. 10. ♀. — Ne. melanocephala Pz. F. xxxvi. f. 9. ♀. — (Vide Ste. M. v. 58. obs.) — Greenish-black; pubescent; base of the antennæ, elytra, and legs testaceous-yellow; hinder tibiae and tarsi fuscescent: ♀ with hinder thighs black, with the base yellow; penultimate ventral segment notched. (L. 4 l.) Errorneously considered indigenous.

553 Oncomera Stephens.

2646 femorata Fab. E. ii. 67. — Oliv. E. iii. 50. pl. 1. f. 1. ♀. — Ne. g g
Pale livid yellow; forehead with a dusky patch, rarely wanting; thorax
with a large ovate black blotch on each side ; elytra dusky testaceous;
 sides of the breast and base of abdomen, brown-black; thighs with a dusky
or whitish patch, hinder pair much thickened in the \( \frac{2}{3} \). (L. 6-9 l.)
Gardens: Ripley; Darenth; Tunbridge Wells; Reading; Oxford;

554 Notius Megerle.

2647 bipunctatus Fab. S. En. i. 206. — No. bimaculatus Ste. M. v. 59. pl. xxv.
 f. 3. \( \frac{2}{3} \), f. 2. ? . — Black; mouth, margins of thorax, and occasionally a
dorsal line, and outer edge of elytra, pale red; base of thighs and the
tibiae, and 3 basal joints of antennae, testaceous-red; tip of abdomen tawny:
hinder thighs greatly thickened: \( \frac{2}{3} \) reddish-ochreous, with the head be-
 hind, 2 small spots on the thorax, tips of thighs, tibiae and hinder tarsi,
and apex of antennae, black. (L. \( \frac{5}{2} \) l.; \( \frac{2}{4} \) l.) On whitethorn blossom:

2648* aniceps Stephens. — No. clavipes \( \frac{2}{3} \) var. Cur. xii. pl. 538. right hand
f. — Black; mouth, margin of thorax, and sometimes a dorsal line, and
the extreme outer edge of the elytra, pale red; base of thighs and tibiae
rusty-orange; hinder thighs simple: \( \frac{2}{3} \) with the thorax tawny, with 2
black spots. (L. 3 l.) On whitethorn blossoms: Windsor and Weston: 5.

555 Conopalus Gyllenhal.

2649 testaceus Oliv. E. ii. 21. pl. 3. f. 15. — Cur. iii. pl. 112. — Ste. M.
v. 60. — Pale testaceous, very finely punctured, slightly pubescent, and
shining; legs paler; eyes, and tips of mandibles, black; antennae brown-
 ish, with the base pale. (L. 3-3\( \frac{1}{2} \) l.) Whitethorn hedges: Ripley;
Hertford; Kensington Gardens; New and Windsor Forests; Cobham,
&c.: 6-7.

2650 Vigorsii MacLeay. — Ste. M. v. 60. pl. xxv. f. 1. — Black, with a
silken pile: mouth, labrum, palpi, and base of antennae pale testaceous;
thorax bright red; elytra deep black, irregularly punctured; legs pale
testaceous-red; tip of antennae black. (L. 3\( \frac{1}{2} \) l.) Hedges: Cumber-
land: 8.

(556 Calopus Paykull.)

(2651* serraticornis L. ii. 634. — Pz. F. iii. f. 15. — Ste. M. v. 61. note. —
Pale brown, pubescent, punctulrated; eyes dusky; thorax rather unequal;
elytra somewhat roughly punctured, with several very obscure raised
lines. (L. 7 l.) Improperly indicated as British.)

557 Eugenes Westwood.

2652 oculatus Ph. F. i. 256. — Cur. vii. pl. 299. — Ste. M. v. 78. — Black,
finely and very thickly punctured, slightly pubescent; thorax with a trans-
verse impression near the base; elytra chestnut, rather coarsely punc-
tured; mouth, antennae, and 4 anterior legs pale dull red, hinder legs
chestnut. (L. 1-1\( \frac{1}{2} \) l.) On willows: Windsor; near London and in
Suffolk: 6.

558 Xylophilus Latreille.

2653* populneus Fab. E. i. 272. — Pz. F. xxxv. f. 4. — Ste. M. v. 77. —
Rusty-testaceous; very finely and obscurely punctured: clothed with a
delicate silky pubesence; base of elytra and band in the middle demduced;
head sometimes dusky. (L. 1\( \frac{1}{2} \) l.) On trees, and beneath bark: London
district: 1-6.
559 Aderus Westwood.

2654 Boleti Marsh. i. 486. — Ste. M. v. 76. pl. xxv. f. 6. — Rusty-testaceous, finely and thickly punctured, clothed with a delicate silken pubescence: elytra with several irregular denuded patches; abdomen fuscous: legs pale testaceous; head dusky; eyes black. (L 1 1/2 l.) Flowery hedges: Ripley; South Lambeth; Dulwich; Southgate; Ensham, Oxon: 4-7.

Fam. 71. SALPINGIDÆ Leach.

dlx. Salpingus Ant. short, clavate; club 5-jointed: labrum 4-drate: head flat, produced anteriorly into an elongate rostrum, which is contracted in the middle: body oblong-ovate, flattish: elytra wider than thorax.


dlxii. Mycterus Ant. elongate, filiform, articulations obconic: head produced in front into an elongate slender rostrum: tho. trapeziform: body ovate, clothed with a silken down.

560 Salpingus Illiger.

2655 ruficollis L. ii. 609. — Pz. F. xxiv. f. 19. — Ste. M. iv. 217. — Pale reddish yellow, shining; punctured; eyes black; back of the head and the elytra blue or metallic green, the latter punctate-striate; abdomen pitchy-red; terminal joints of antennae fuscous. (L 1 1/2 l.)


2656 viridipennis Zeigler. — Ste. M. iv. 217. — Pale reddish-yellow; shining; punctured; eyes black; elytra deep blue, or greenish, punctate-striate; abdomen pitchy-red; terminal joints of antennae reddish, terminal joints dusky. (L 1-1 1/2 l.) Under bark, &c.: London district: 6-7.


561 Sphæriestes Kirby.

2658 ater Pk. F. i. 298. — Ste. M. iv. 218. — Black, somewhat brassy, smooth; thorax subeordate, its sides entire; disc thickly punctured, and with 2 foveae; head rounded; base of antennae and legs pitchy-red. (L 1 1/2 l.) On firs: Dulwich; Southgate; Rachills; Norfolk: 6.

2659 fovolatus Act. Hol. (Liung.) 1823. pl. 3. f. 72. — Ste. M. v. 421. — Cur. xiv. pl. 662. — Brassy-black, glabrous, shining; mouth, antennæ at the base, and tarsi, dull red; head and thorax coarsely punctured, the latter with 2 foveae, short, and with the sides entire; elytra irregularly punctate-striate, and each with a deep ovate fovea near the base. (L 1 1/2-2 1/2 l.) Under beeches and elms, Cramond, and in the N. of England: 7-9.

2660 immaculatus Ste. M. iv. 219. — Chestnut-brown or dull red, flattish; glabrous, shining; head rounded; eyes black; thorax thickly and coarsely punctured, with a fovea on each side at the base, the sides entire; elytra
with a faint impression near the base; legs and antennæ pale. (L. 1½-1¾ l.)

On firs: Ockham Heath; Norwood; Chelsea; Cramond?: 6-7.


2662 Picæ Ahr. F. x pl. 9. — Pitchy; shining, punctured; thorax with its sides entire; elytra punctate-striate, the striæ irregular at the base; tibiae, tarsi, and base of antennæ ochreous. (L. 1½ l.) On firs: Southgate: 6.

2663 4-pustulatus Marsh. i. 297. — Ste. M. iv. 219. pl. xxi. f. 5. — Dark piceous; head and thorax dull red, thickly punctured, the sides of the latter finely crenulated in the middle; elytra with a dull red spot at the base, and another near the apex: legs dull red. (L. 1¼-1½ l.) White-thorn hedges: Hertford; Ripley; Camberwell; Battersea fields; Coombe Wood; Swansea: 6-7.

2664 denticollis Gyll. iii. 715. — Ste. M. iv. 219. — Elongate; fuscous; head, thorax, antennæ, and legs testaceous; thorax very much punctured, its sides denticulated and narrowed behind; elytra punctate-striate, with an oblique pale testaceous spot at the base within: eyes black. (L. 1¼-1½ l.) Hedges: London district: 6.

562 Mysterus Clairville.

2665 griseus Craio. E. H. i. 124. pl. 16. f. 1—3. — Ste. M. iv. 216. pl. xxi. f. 4. — Black, with a griseous-yellow pile above; and a griseous or silvery pubescence below; rostrum with 2 impressed longitudinal approximating striæ. (L. 3½-4½ l.) Hedges: Kingsbridge, Devon: 6.

Fam. 72. PYROCHROIDÆ. Leach.

dlxiii. Pyrochroa Aut. rather longer than the head and thorax, pectinated in the $\mathcal{G}$, serrated in the $\mathfrak{S}$: tho. somewhat orbiculate, margined behind: eyes notched within, remote in $\mathfrak{S}$.

563 Pyrochroa Geoffroy.


2667 coccinea L. F. No. 705. — Ste. M. v. 64. — Cur. xiii. pl. 590. — Shining black; thorax above, and elytra, bright blood-red, or scarlet; scutellum black; clothed with a short concolorous pubescence. (L. 6-7 l.) Hedges: local: Darent and Birch Woods; Epping; New Forest: 6-7.

Fam. 73. NOTOXIDÆ. Stephens.

dlxiv. Notoxus Tho. produced in front into a horn-like process, extending over the head; the latter united to the thorax by a distinct neck.

dlxv. Anthicus Tho. oblong, somewhat heart-shaped, narrower than the head, the base and apex truncate, the latter not produced over the head: neck distinct.

564 Notoxus Illiger.

2668 monoceros L. ii. 651. — Samou. pl. ii. f. 23. — Ste. M. v. 72. pl. xxv. f. 5. b. thorax. — Testaceous-red, with a silken pile; crown fuscous;
565 Anthicus Fabricius.

2670 Antherinus L. ii. 681. — Mart. C. pl. 39. f. 3. — Ste. M. v. 73. — Black, with a griseous pile; finely punctured; elytra minutely and rather deeply punctured, with 2 oblique dull red bands — the apical one sometimes wanting; legs pitchy, tibiae, towards the apex, and tarsi, pitchy-testaceous. (L. 1 1/2 l.) Grassy hedges: Hertford; Southend; Bristol; Isle of Wight, &c.: 5-7.

2671 4-notatus Gyll. ii. 498. — Ste. M. v. 74. — Black, slightly shining, pilose; deeply punctured; thorax oblong, narrowed behind; elytra coarsely punctate, with an oblique testaceous spot behind the shoulders, and a round dot towards the suture behind the middle; legs and antennae dull red. (L. 1 1/2 l.) Flowers: London district and Bristol: 5-6.

2672 ater Ill. K. i. 290. — Pz. F. xxxi. f. 15. — Ste. M. v. 74. — Black, slightly shining, nearly glabrous; punctured; thorax oblong, very convex, narrowed behind, faintly punctured; elytra coarsely punctured; tarsi fuscous, or dusky dull red. (L. 1 1/2 l.) Hedges: London district; Wrabness, Essex; Bristol; Southend; Isle of Portland: 4-5.

2673 fuscus Marsh. i. 486. — Ste. M. v. 74. — No. floralis Pz. F. xxxii. f. 5. — Dull red, shining, slightly pubescent; punctulated; head rusty-black; elytra rather deeply punctured, brown black, with the base more or less broadly dull red. (L. 1-1 1/4 l.) Hotbeds, &c.: generally distributed throughout England, Wales, and S. of Scotland: ☐.

2674 floralis L. ii. 681. — Ste. M. v. 75. — No. formicarius Oliv. E. iii. 51. pl. 1. f. 3. — Brown-black, shining, nearly glabrous; very finely punctured; antennae, legs, thorax, and base of the elytra dull red, middle with a transverse impression; thighs brownish. (L. 1 1/2 l.)


2675 equestris Pz. F. lxxiv. f. 8. — Ste. M. v. 75. — Fuscous; slightly pubescent; punctured; head glabrous; thorax elongate, narrowed behind, disc red; elytra fuscous, ciliated on the margin, the base red; legs and basal joints of the antennae red; tips of latter and of thighs obscure. (L. 1 1/2 l.) Hedges: London district and Durham: 6.

(2676† pedestris Fab. E. i. 291. — Ste. M. v. 75. note. — Black; shining; thorax red, narrowed behind; legs black, thighs red at the base, anterior 1-toothed; antennae with the base red. (L. 1 1/2 l.) Improperly recorded as British.)

2677 gracilis Kugellan. — Pz. F. xxxviii. f. 21. — Ste. M. v. 75. — Elongate, black, shining; very finely punctured; thorax somewhat globose, narrowed behind; elytra ample, pale testaceous, with a 3-angular black
spot behind the middle on the lateral margins; legs and antennae testaceous. (L. 1 & l.) Hedges: London district: 6.

2678 angustatus Cur. fo. 714. — Elongate, narrow; dull brown, with ochreous pubescence; thickly and rather coarsely punctured; back of head and thorax, which is obovate, bright red, disc dusky; legs and antennae pale chestnut. (L. 1 l.) In grassy places: near Gravesend, and Isle of Wight: 6-10.

2679 humilis Ahr. F. x. f. 6. — Ste. M. v. 75. — Pitchy-black, with a grieseous pile; punctured; head black; thorax tumid in front, base much narrowed; coleoptera rather wider than the thorax, obovate, the suture a little raised; legs red, knees dusky; base of antennae red. (L. 1$\frac{1}{2}$ l.) Banks of Thames: 7.

2680 constrictus Rudd. — Cur. fo. 714. — Pieeous, shining; punctured; thorax constricted behind, with a transverse channel; elytra slightly pubescent, with a chestnut line, or bright red spot, at the apex; mouth, antennae, and legs tawny; middle of thighs and hinder tibiae pitchy. (L. 1 l.) Banks of Thames, and Ryde: 6-8.

2681 tibialis Cur. xv. pl. 714. — Pieeous, sometimes tinted with bluish; punctured; head behind and thorax chestnut red; front of the latter pitchy; elytra with ochreous pile; base sometimes chestnut; mouth, antennae, and legs tawny; thighs pitchy-chestnut, black in the middle; hinder tibiae dilated towards the tip, which is concave, and, as well as the apex, ochreous. (L. 1$\frac{1}{2}$ l.) Banks of Thames; Southampton Water, and Ryde: 6-10.

Fam. 74. SCYDMÆNIDÆ Leach.

(dlxvi. Mastigus Ant. geniculated, somewhat filiform: max. palpi 4-jointed, the 2 apical joints forming an oval mass: elytra united.)

dlxvii. Scydmænus Ant. straight; longish, clavate: max. palpi 4-jointed, 3d joint large, pear-shaped, 4th minute, subulated: tho. narrower than the elytra; the latter free, base often foveolated: thighs clavate.

dlxviii. Megaladerus Ant. straight, clavate, rather long, 8th joint much smaller than the 7th, terminal one very large: max. palpi shortish, apical joint extremely minute: tho. very large, much wider in front than the elytra, which are separated: legs rather slender.

dlxix. Euthelia Ant. straight, stout, clavate; club 3-jointed: palpi very minute: tho. convex, anterior angles rounded, base truncate, with a row of impressions: elytra truncate, the base plicate: thighs slightly thickened.

(566 Mastigus Latreille.)

(2682† palpalis Lat. G. i. 281. pl. 8. f. 5. — Ste. M. v. 79. note. — Entirely black. (L. 2$\frac{1}{2}$ l.) Said to have been taken in England.)

567 Scydmænus Latreille.

§ A. Palpi with terminal joint nearly obsolete: — Eumicrus Laporte.

2683 tarsatus Kunzé, M. 11. — Den. pl. 11. f. 1. — Ste. M. v. 80. — Pitchy-brown, pubescent, shining; head a little truncate in front; thorax somewhat ovate, the base with 4 foveolats placed transversely; elytra rather paler, with 2 basal impressions; antennæ and legs testaceous; anterior tarsi much dilated. (L. 1$\frac{3}{4}$-1$\frac{1}{2}$ l.) In grassy hedges: London district; Bristol; Weston; Swansea; Raehills: 4-6.

2684 ruficornis Kirby. — Den. 59. pl. 11. f. 2. — Ste. M. v. 80. — Pitchy-black, slightly pubescent; head large, rounded; porrected; thorax densely clothed with dusky hairs, the base with 2 deep punctures; elytra very
broad, apex reddish, base with 2 impressions; tarsi pale; antennæ dark testaceous, apical joint obtuse. (L. $\frac{1}{4}$.) Grassyl hedges: London district and Bristol; Barham; Lodden, Norfolk: 10-4.

§ B. Palpi with terminal joint distinct.

2685 hirticollis Gyll. i. 286. — Den. 62. pl. 12. f. 1. — Ste. M. v. 80. — Black, shining; thorax narrowed in front, and very densely clothed with fuscous hairs; base transversely impressed; elytra smooth; tibiae and tarsi dusky red; antennæ the same, the 4 terminal joints rather large and blackish. (L. $\frac{1}{4}$.) Grassyl places: London district; Carlisle; Cambridge (in sedge boats): 1-5.

2686 hirtus Sahl. 1. F. 97. — Ste. M. v. 427. — Pitchy-black, shining, slightly hirsute; thorax glabrous, with 2 geminated foveolets behind, placed transversely; antennæ with the 3 terminal joints thickened. (L. $\frac{1}{4}$.) Grassyl places: London district: 6.

2687 rutilipennis Kunzé, 17. — Den. 63. pl. 12. f. 2. — Ste. M. v. 81. — Black; shining; head round; thorax clothed with a dense pile, and slightly impressed at the base; elytra bright red chestnut, pubescent; the base with 2 impressed lines, suture a little raised; legs dark chestnut; antennæ chestnut, slender, pubescent, with the 4 terminal joints large and black. (L. $\frac{1}{2}$.) Grassyl places: Swansea: 6.

2688 denticornis Kunzé, 20. — Den. 64. pl. 13. f. 1. — Ste. M. v. 81. — Pitchy-black, shining, smooth; thorax densely pubescent, somewhat 4-drate, base with 2 foveolets; elytra narrowed at the base, and with 6 depressions; legs dull brown; antennæ the same, with the 4 terminal joints largest and darkest, of the male the 8th and 9th joints have a tooth within. (L. $\frac{2}{3}$.) Grassyl places: Marton Lodge: 6.

2689 Dennii Ste. M. v. 83. pl. xxvi. f. 1. — Black; shining; pubescent; thorax with 2 deep foveolets at the base, united by a transverse impression; elytra with 2 longish basal depressions; tibiae, tarsi, and palpi pale testaceous; antennæ stout, pitchy-brown, 4 terminal joints larger, the 8th and 9th with a tooth within. (L. $\frac{1}{12}$.) Grassyl places: London district: 6.

2690 elongatus Kunzé, 19 — Den. 65. pl. 13. f. 2. — Ste. M. v. 81. — Elongate; pitchy; shining; pubescent; head with 2 foveolets between the eyes; thorax elongate, deflexed, with an angular impression on each side of the base, and 2 small foveolets in each angle: elytra with a deep excavation on each side at the base; legs pale chestnut; antennæ dark chestnut, the 4 terminal joints larger, the apical one acute. (L. $\frac{1}{12}$.) Grassyl places: Norfolk: 3-4.

2691 Sparshallii Den. 66. pl. 13. f. 3. — Ste. M. v. 82. — Dull red, pubescent, shining; head narrowed, contracted; thorax elongate, finely punctured, with a parallel depression at the base, extending a little up each side; base roughish; elytra with the base truncate, and a deep excavation on each side of the suture: legs and antennæ pale dull red, terminal joint of the latter acute. (L. $\frac{1}{2}$.) Moss, &c.: Ripley; Madingley Wood, Cambridgeshire; Arminghall Wood, Norfolk: 4-7.

2692 scutellaris Kunzé, 23. — Den. 67. pl. 12. f. 3. — Ste. M. v. 82. — Ovate, black; slightly pubescent; head contracted, flat; thorax somewhat 4-drate, convex, base narrowed, and with 6 transverse impressions; elytra punctured, the base with 4 deep excavations; suture and scutellum a little raised; legs pitchy: $\Delta$ with anterior thighs 3-angular. (L. $\frac{1}{2}$.) In moss, &c.: London district; Bristol; Norfolk: 3-5.

2693 bicolor Curtis. — Den. 68. pl. 13. f. 4. — Ste. M. v. 82. — Elongate,
pithey-chestnut; shining, pubescent; thorax narrowed behind and rugulose; elytra bright chestnut, with 2 basal impressions; legs pale chestnut; antennæ testaceous-yellow, 7th joint enlarged, 8th smaller, 3 terminal ones largest, apical being obtuse. (L. § l.) Moss, &c.: London district; New Forest and Norfolk: 3-5.

2694 collaris Kunzé, 26. — Den. 69. pl. 14. f. 2. — Ste. M. v. 82. — Oblong, black; punctured; thorax wide in front, very narrow behind, with 2 rows of impressed dots at the base; the anterior consisting of 4, and the posterior of 2 punctures; elytra with 2 basal depressions; the suture and seutel a little raised; antennæ pale testaceous, gradually elevated, terminal joint elongate-ovate. (L. §-§ l.) In moss, &c.: London district; Madingley Wood; Lodden, &c.: 4-5.

2695 pusillus Kunzé, 25. — Den. 70. pl. 14. f. 1. — Ste. M. v. 83. — Oblong, black, slightly pubescent, shining; thorax longish, the base contracted, with a transverse line, composed of 6 punctures; elytra punctured, base with 4 furrows; the suture slightly raised near the seutel; legs slender; tibiae, tarsi, and antennæ testaceous. (L. §-§ l.) Moss, &c.: London district; Bristol; Norfolk: 6.

2696 impressus Gyll. lv. 322. — Ste. M. v. 427. — Black, shining, pubescent; thorax scarcely narrowed behind, with 4 deep foveolets; the 2 inner ones approximating; antennæ dull red, and thickened exteriorly. (L. 1 l.) Moss, &c.: London district; Nottingham, and N. of England: 3-5.

2697 punctipennis Ste. M. v. 428. — Oblong, black; shining, somewhat pubescent; thorax convex, not foveolated; elytra rather deeply punctate, the base with 2 furrows; legs and antennæ dull red. (L. § l.) Moss, &c.: London district; N. of England: 3-4.

2698† Wighami Den. 71. pl. 14. f. 3. — Ste. M. v. 83. — Black, shining, pubescent; thorax smooth, the base truncate, and with 3 foveolets; elytra oblong, with 4 basal impressions, the sutural ones largest: head with 2 frontal foveolets; legs and antennæ pale chestnut, tip of the latter acute. (L. § l.) Moss: Lodden: 3.

568 Megaladerus Stephens.

2699 thoracicus Kunzé, 12. — Den. 61. pl. 11. f. 3. — Ste. M. v. 84. — Pitchy, pubescent: head dull chestnut; thorax dark chestnut; rounded in front, gibbous; elytra with 2 angular depressions at the base; legs rusty-yellow; antennæ testaceous-yellow, hairy; palpi yellowish. (L. § l.) Moss: at Knight's Hill, Dulwich; Lodden, &c.: 10-4.

569 Eutheia Stephens.

2700 Seydmænoides Ste. M. iii. 115. pl. xviii. f. 2. — Pitchy-black, with a golden pubescence; thorax pulvinated, with 5 foveolets placed transversely near the base; elytra faintly punctured, the base with 2 short furrows; the apex sometimes chestnut; legs and antennæ rusty-red. (L. §-§ l.) Moss, &c.: Highgate; Pettywad Wood, near Wimbledon; Ripley: 3-6.

§ 2. Stirps 3. BRACHELYTRA Mac Leay.

Fam. 75 Pselaphidæ. Tarsi 3-jointed, basal joint minute, terminal furnished with a single claw, very rarely with 2: head exerted: ant. clavate: max. palpi generally very long, clavate; lab. minute: eyes prominent: elytra nearly half the length of the abdomen, folded at the base.

Fam. 76 Tachyforidæ. Tarsi mostly 5-, never 3-jointed; terminated with 2 claws: head generally deeply inserted into the thorax, the latter broadest
Fam. 77 Staphylinidæ. Tarsi 5-jointed, anterior often dilated; all terminated with 2 claws: head exserted, with a distinct neck: tho. 4-jrate, or somewhat ovate; at times rounded or heartshaped: ant. shortish, rather stout, inserted between the eyes: max. palpi short, filiform: labrum mostly with a deep notch or slit in front: body elongate: elytra moderate; tibiae mostly spinous.

Fam. 78 Stenidæ. Tarsi 5-, rarely 4-jointed, terminated with 2 claws: head large, exserted, with a distinct neck: tho. rounded, or heartshaped, often globose: ant. somewhat filiform; mand. long, acute, acutely toothed within: max. palpi long, clavate, with apical joint minute: labrum entire: eyes frequently large: tibiae simple.

Fam. 79 Oxytelidæ. Tarsi 3-, 4-jointed, very rarely 5-jointed, terminal joint longer than the others together, with 2 claws: head exserted; neck distinct: tho. mostly heartshaped: ant. thickened towards the apex: max. palpi short, apical joint distinct: labrum entire: body linear: anterior tibiae spinose, or toothed on the outer margin.

Fam. 80 Omalidæ. Tarsi 5-jointed, terminated with 2 claws: head exserted: tho. mostly convex, and widened behind: ant. shortish, thickened at the tip, rather filiform; max. palpi short, terminal joint minute: labrum transverse, entire: body broad, flattish: elytra rather long: tibiae simple: ocelli sometimes present.

Fam. 75. Pselaphidæ Leach.

dlxx. Pselaphus Tarsi with 1 claw: ant. inserted on a frontal tubercle: max. palpi as long as the antenna, the terminal joint long, clavate: body rather elongate; elytra and abdomen flat.

(dlxxi. Tyrus Tarsi with 2 claws; ant. shortish, the 3 terminal joints enlarged: max. palpi with 2d joint elongate, terminal large, clavate: tho. somewhat globose: middle trochanters with a spine.)

(dlxxii. Bryaxis Tarsi with 1 claw; ant. inserted beneath the margin of the forehead: max. palpi with terminal joint conical, rather dilated externally: tho. heartshaped, 3 foveolated: body short, somewhat convex.

(dlxxiii. Batrisus Tarsi with 2 claws; ant. straight, inserted in a lateral groove: max. palpi with terminal joint acute: tho. with 3 longitudinal furrows: body somewhat elongate, and rather convex.

(dlxxiv. Tychus Tarsi with 1 claw; ant. inserted on a frontal tubercle; 5th joint dilated in $\varepsilon$: max. palpi very much elongated, the 2d and 3d joints dilated and hatchet-shaped: tho. without impressions, widest behind: body short, convex.

(dlxxv. Arcopagus Tarsi with 1 claw: ant. inserted on the sides of the forehead; 2d joint moderate, not thicker than the basal: max. palpi as long as antenna, apical joint ovate, securiform: tho. narrowed behind: body short, very convex.

(dlxxvi. Bythinus Tarsi with 1 claw: ant. inserted on the sides of the forehead; 2d joint, especially in the $\varepsilon$, very large: max. palpi very long, the terminal joint large, securiform: tho. narrowed behind: body short, very convex.

(dlxxvii. Trimiun Tarsi with 1 claw: ant. inserted beneath the edge of the forehead; terminal joint very large: max. palpi with apical joint securiform: tho. somewhat ovate: body elongate, somewhat cylindric.

(dlxxviii. Euplectus Tarsi with 1 claw: ant. inserted beneath the edge of
the forehead; terminal joint rather large: max. palpi short, apical joint ovate, conic: tho. somewhat heartshaped; rounded at base: body elongate, narrowed; flat.

dlxix. Claviger. Tarsi with 1 claw: ant. short, 6-jointed, 2 basal joints minute, 3 following much thickened, somewhat hemispheric, perforated, terminal one very stout, cylindric, solid, elongate, abruptly truncate: head ovate: eyes wanting: tho. subovate: abdomen with dorsal segments obsolete.

570 Pselaphus Herbst.

2701 Herbstii Reich. M. 25. — Den. M. pl. 9. f. 1. — Ste. M. v. 86. — Dark chestnut; slightly pubescent; thorax elongate, somewhat cylindric, the base and apex somewhat narrowed, smooth; shining; abdomen 3-angular; antennæ with 9th and 10th joints somewhat 3-angular: palpi yellowish. (L. 1½ l.) Grassy places: London; Bristol; Lodden and Woodbastwick, Norfolk; Netley: ⊙.

2702 Heissii Herbst. C. iv. 109. — Den. M. pl. 9. f. 2. — Ste. M. v. 87. — Elongate; dark chestnut, shining, slightly pubescent: thorax narrowed at the base and apex, the middle considerably dilated, with 2 short obscure lines in front; abdomen long; legs pale chestnut, thighs thickened; antennæ with terminal joint a little produced within at the tip. (L. 1½ l.) London district; chalk-pit, Barham; Norfolk: ⊙.

2703 longicollis Reich. M. 30. — Den. M. pl. 10. f. 1. — Ste. M. v. 87. — Dark chestnut, shining, slightly pubescent; thorax somewhat ovate, with 2 oblique lines in front, and 2 bent ones, united by a point in the centre, at the base; abdomen broad; legs chestnut, thighs slightly thickened; antennae pale; palpi pale dull red. (L. 1½ l.) Hertford; Horning, Norfolk: 7-4.

2704 Dresdensis Herbst. C. iv. 110. — Den. M. pl. 10. f. 2. — Ste. M. v. 87. — Pitchy-black, shining, pubescent; head oval; thorax obtusely angulated in the middle, the front narrowed, base rounded and broad, with a semicircular impression; abdomen broad; legs dull red; antennæ dull liver colour, terminal joint lanceolate-ovate; palpi yellowish-brown. (L. 1½ l.) Woodbastwick and Lodden: 9.

571 Tyrus Aubé.

(2705+) mucronatus Pz. F. lxixix. f. 11. — Black; with a fuscous pile: antennæ, elytra, and legs light red; thorax with 3 foveolets behind, united by an impressed line. (L. 1½ l.) I am not certain that this insect is really indigenous.)

572 Bryaxis Knoch.

2706 sanguineus L. ii. 685. — Den. M. pl. 7. f. 4. — Ste. M. v. 89. — Short; obtuse; black; shining; thorax slightly narrowed before and behind, with 3 foveolets, united by a faint semicircular line; elytra red, basal margin and suture dusky, with a stria near the suture and another in the centre; antennæ livid, with terminal joint obtuse. (L. 1½-1⅔ l.)

♂ Br. longicornis Leach Z. M. iii. 85. — Den. M. pl. 7. f. 2. — Ste. M. v. 88. — Longer, and narrow; antennæ very long and slender, terminal joint acute; anterior tibia with a notch, and a small spine, and a row of fine hairs down the inner edge. Grassy places: Battersea fields; Epping Forest; Norfolk: 2-4.

2707 fossulatus Leach Z. M. iii. 86. — Den. M. pl. 8. f. 1. — Ste. M. v. 89. — Pitch-coloured, pubescent; smooth; thorax rounded, with 3 large equal foveolets; elytra with a bent line at the base of each, and a stria parallel with the suture: legs pale pitchy; palpi testaceous; terminal
joint of antennae somewhat oval. (L. 1½ l.) In grassy places: Battersea fields; Bristol; Norfolk: 2.

2708 impressus Pz. F. lxxxix. f. 10. — Ste. M. v. 89. — Black, shining, finely pubescent; thorax somewhat globular, with 3 foveolts, the middle one smallest; elytra dull red, suture and margin darker, with a short basal and elongate sutural stria on each; antennæ pitchy, terminal joint large, obtuse. (L. 1 l.) Grassy places: Battersea fields; Bexley; Hertford; Ripley: 2.

2709 haematicus Leach Z. M. iii. 86. — Den. pl. 8. f. 2. — Ste. M. v. 90. — Bright light chestnut, shining; thorax obcordate, slightly punctured, with 3 foveolts, the middle one rather smallest; elytra with a deep basal impression, a stria near the suture, which is slightly raised, and a short one on the shoulder; abdomen gibbous; terminal joint of antennæ nearly ovate; palpi dull yellow. (L. 1½ l.) Near Bristol, and London: 10-4.

2710 Juncorum Leach Z. M. iii. 86. — Den. M. pl. 8. f. 3. — Ste. M. v. 90. — Short, somewhat globose; dull red; slightly pubescent; thorax somewhat globular, thickly punctured, with 3 foveolts, the middle one very minute: elytra with a short basal, and entire sutural stria; abdomen convex, contracted; antennæ pale rust-colour; palpi pale yellow. (L. 2½ l.) Damp places: Battersea fields; Bristol; Devonshire; Norfolk: 10-6.

2711 insignis Reich. M. pl. 2. f. 16. — Ste. M. v. 90. — Black; slightly pubescent; elytra, legs, and antennæ red; thorax ovate, narrowed before, with 3 foveolts, united by a very fine semicircular line; elytra with 2 broad grooves; abdomen ovate; palpi reddish. (L. 1 l.) Moss: Ripley, and near Carlisle: 1.

2712 sulcicollos Reich. M. 62. pl. ii. f. 17. — Cur. vii. pl. 315. — Ste. M. v. 91. — Chestnut; shining, sparingly punctured; slightly pubescent; thorax obovate, with a deep groove down the centre, intersected towards the base by a bent channel, terminated on each side by a deep fovea; elytra with the hinder outer angles notched and acute, a sutural stria and a short deep one at the shoulder. (L. 1½ l.) Old walls: Carlisle: 6.

573 BATRISUS Aubé.

2713 nigriventris Den. M. 41. pl. 7. f. 1. — Ste. M. v. 91. — Bright rusty-red; shining; thorax thickly punctured, globular, with a deeply impressed dorsal line, and one on each side, terminating each in a puncture at the base; elytra with 4 depressions at the base, and a single stria on each, near the suture; abdomen black; palpi testaceous. (L. 1½ l.) Moss, &c.: New Forest; Barham; Netley: 5-6.

574 TYCHUS Leach.

2714 niger Pk. F. iii. 365. — Den. M. pl. 6. f. 1. — Ste. M. v. 92. — Black, pubescent; head and thorax smooth, glossy; elytra sometimes red-brown or chestnut, with a single sutural stria; legs dull red; antennæ testaceous; palpi pale yellowish. (L. 2½ l.) Damp mossy places: London district; Netley; Newcastle: 10-4.

575 ARCOPOAGUS Leach.

2715 glabricollis Reich. M. 43. — Den. M. pl. 5. f. 4. — Ste. M. v. 93. — Obscure dull-red; thorax longer than the head, obcordate, smooth, the base and apex narrowed, the former with a transverse bent line; elytra punctured, with a basal depression and a sutural stria; antennæ pale dull red, basal joint very large in 2. (L. 3½ l.) Moss, &c.: London district; Norfolk: 10-4.
2716 clavicorinis *Pz. F. xcix. f. 3. — *Den. M. pl. 5. f. 2. — *Ste. M. v. 93.—
Pitchy-chestnut; thorax wider than the head in front, narrowed
behind, faintly punctured, and with an impressed line; elytra piceous,
deeply punctured at the apex; abdomen pitchy-black; legs testaceous,
thighs stout; tibiae slightly bent; antennae with the 3 basal joints very
large. (L. 1 l.) *Moss: Bristol; Norfolk: 10-4.
2717 puncticollis *Den. M. 26. pl. 5. f. 3. — *Ste. M. v. 93.— Dark dull-
red, punctured, shining; thorax very large, dilated in front, and very
thickly punctured, the base with an impressed line terminating in a punc-
ture at each side; elytra pitchy-brown; legs pale rusty-yellow, thighs
very much thickened in the ♂. (L. ½-1 l.) *Moss: Hertford; Netley;
Horning, Norfolk; Battersea fields; Newcastle; *Humby: 10-4.
Black, shining, pubescent; thorax rounded, the base with a transverse
line terminating in each end in a puncture; elytra deeply punctured; legs
dark chestnut; antennae pale dull red, basal joint very large in the ♂.
(L. ½-1 l.) *Moss: London district; Norfolk; Netley; Newcastle: 10-5.

576 Bythinus Leach.

2719 Curtisii *Leach Z. M. iii. 83. — *Den. M. pl. 3. f. 1. — *Ste. M. v. 94.—
Dark chestnut-brown; shining, punctured, pubescent; palpi with the
terminal joint very much elongate and flat; legs testaceous or brown; an-
tenna rusty-yellow, of the ♂ the 2d joint globular, with a tooth-like
prominence on the inner side. (L. ⅜ l.) *Moss: London district; Net-
ley; Norfolk: 10-4.
2720 grandipalpus *Ste. M. v. 428. — Chestnut-brown; shining; slightly
pubescent and thickly punctured; antennae, legs, and palpi pale, the ter-
minal joint of the last elongate, wide, and thickened; antennae with the
2721 securigero *Reich. M. 45. — *Den. M. pl. 3. f. 2. — *Ste. M. v. 95.—
Pitchy-brown; head and thorax deeply punctured and shining; elytra
finely punctured; shoulders elevated; palpi with the terminal joint broad,
hatchet-shaped; legs and antennae dull red, the 2d joint of the latter very
large and secundiform in the ♂. (L. ⅘-3 l.) *Moss: London district;
Norfolk; Suffolk: 10-4.
2722 Burrelli *Den. M. 22. pl. 4. f. 1. — *Ste. M. v. 95.— Pitchy-black;
punctured; shining; palpi dull rusty-yellow, the terminal joint broad,
flat, nearly secundiform; legs and antennae pale dull red; the 2d joint of
the latter very large, lanceolate, and flat in the ♂. (L. ⅘ l.) *Moss:
London district; Letheringseth, Norfolk: 10-4.

577 Trinun Ambé.

2723 brevicorne *Reich. M. 47. — *Den. M. pl. 2. f. 4. — *Ste. M. v. 98.—
Chestnut, shining, slightly pubescent; thorax longish, ovate, the base
truncate, with 3 foveolae united by a semicircular line; legs pale chest-
nut; antennae testaceous, terminal joint very large, ovate-acute. (L. ⅘ l.)
*Moss: *Humby; Norfolk; Suffolk: 10-4.

578 Euplectus Kirby.

2724 Kirbii *Leach. — *Den. M. 14. pl. 2. f. 1. — *Ste. M. v. 96.— Much
elongated, and flat; dark red chestnut; thorax somewhat heart-shaped,
narrowed behind, with an oblong foveolus in front, and 3 at the base,
united by an impressed line; antennae pale chestnut, thickly pubescent,
2725 Karstenii Reich. M. 71. — Den. M. pl. 1. f. 3. — Ste. M. v. 96. — Flat; light chestnut, very smooth and finely pubescent; head wider than the thorax, both thickly punctured, the latter nearly heart-shaped, with 3 foveolates at the base, and a short line at the apex; antennae pale chestnut, terminal joint obtuse. (L. ½ l.) Moss, &c.: South Lambeth and South Creek: 10-4.

2726 minutus Marsh. i. 511. — Ste. M. v. 97. — Cu. sanguineus Den. M. 10. pl. 1. f. 2. — Elongate; chestnut-brown, pubescent; head nearly 4-drate, with 2 converging depressions united in front, and terminating in a puncture at the base; thorax smooth, with an oblong foveolatum in the middle of the apex, and 3 joined by an impressed line at the base; legs and antennae pale testaceous, terminal joint of the latter longish, obtuse. (L. ¼ l.) Moss, &c.: South Lambeth; Fakenham; S. Wales: 10-4.

2727 Reichenbachii Leach Z. M. iii. 82. — Den. M. pl. 1. f. 1. — Ste. M. v. 97. — Obscure pitchy-brown, shining; broad, flat; slightly pubescent: head smooth, the centre raised, base with 1 and front with 2 foveolates; elytra elongated, with 2 deeply impressed striæ on each; legs and antennae pale testaceous, terminal joint of the latter obtuse. (L. ½ l.) Moss: London district; Suffolk; Norfolk: 10-4.

2728 signatus Reich. M. 73. — Den. M. pl. 1. f. 4. — Ste. M. v. 97. — Elongated, flat, dull red; pubescent: head nearly 4-drate, smooth, with a transverse line in front, and 2 foveolates between the eyes; thorax somewhat rounded, with a round foveolatum in front, and 3 behind, united by a faint semicircular line; legs and antennae pale dull red, terminal joint of the latter acute. (L. ½ l.) Moss, &c.: Barham and Ripley: 6-8.

2729 ruficornis Ste. M. v. 428. — Shining black, slightly pubescent; thorax very short, dilated on the sides, the base with 3 foveolates, united by a very faint semicircular line; antennæ slender, elongate, testaceous-red, the club dusky, terminal joint slightly acute. (L. ½ l.) Moss: Bristol: 8.

2730 pusillus Leach. — Den. M. 15. pl. 2. f. 2. — Ste. M. v. 98. — Black, shining; very finely punctured; pubescent; head nearly 3-angular, with 2 oblique depressions between the eyes; thorax rounded; with 3 foveolates behind, united by a semicircular line; antennae bright chestnut, very slender, the terminal joint acute. (L. ⅔ l.) Moss, &c.: London district; Bristol; Horning and Woodbastwick, Norfolk: 10-4.

2731 bicolor Kirby. — Den. M. 17. pl. 2. f. 3. — Ste. M. v. 98. — Pitchy-black, shining; head heart-shaped; thorax very large, rounded, very finely punctated, emarginate behind, with 3 foveolates, the central one the largest; palpi dull red; legs and antennae dull chestnut, the terminal joint of the latter acute at the tip. (L. ¾ l.) Moss, &c.: London district; Suffolk: 10-4.

2732 † Easterbrookianus Leach Z. J. ii. 445. — Ste. M. v. 99. — Bright dull red; antennæ, palpi, and legs, paler; thorax rugulose; elytra punctate-striate. (L. 1 l.) Moss: Near Ashburton, Devon.

579 Claviger Müller.

2733 † foveolatus Germ. M. (Müll.) iii. 75. — West. Int. i. 175. pl. 17. f. 6. — Testaceous; antennæ inerassate, cylindric, truncate at the apex; abdomen ovate, with a deeply impressed semi-ovate fovea at the base; dorsal segments coalesced. (L. ⅔ l.) In the nest of Formica flava: Ensham, Oxon: 8.
§ A. Ant. inserted beneath the eyes; tibia simple, rarely spinose: —

**Aleocharina.**

dlxx. **Australis** Head exserted, large, remote from thorax, which is some-
what globose, with the base narrow and folded: elytra also folded at the base: anter. tarsi 4-, poster. 5-jointed, poster. with 4 basal joints equal.

dlxxi. **Falagria** Head exserted, large, remote from thorax, the latter rather heart-shaped, the apex being broad; disc squalate; elytra not folded at the base: anter. tarsi 4-, poster. 5-jointed, poster. with basal joint elongate.

dlxxii. **Calodera** Head exserted, broader than the base of the thorax, the latter of nearly equal breadth: elytra entire at the base: tarsi 5-jointed, basal joint elongate.

dlxxiii. **Astilbus** Head exserted, not remote: thorax oblong, with a dorsal channel: body narrow; flat: elytra short: abdomen broader than thorax: palpi filiform: anter. tarsi 4-, poster. 5-jointed.

dlxxiv. **Ocalea** Head exserted: tho. somewhat truncate in front, rounded behind: anter. angles acute: body elongate: abdomen linear, suddenly attenuated at tip: legs long, slender; tarsi all 5-jointed, poster. with basal joint elongate: ant. rather slender, 3d joint long.

dlxxv. **Polystoma** Head sessile: tho. broader than long: elytra short: ab-
domen linear, obtuse: body densely pubescent: ant. thick in the middle: mouth prominent: tarsi all 5-jointed.

dlxxvi. **Zyra** Head sessile: tho. broader than long: elytra very short:
abdomen broad, ovate: ant. somewhat elbowed at the base, and rather long: palpi with terminal joint long, slender: tarsi 5-jointed.

dlxxvii. **Pella** Head sessile: tho. broad, angulated on each side at the base:
elytra very short: abdomen broad, obtuse: ant. stout: legs stout: anter. tarsi 4-, poster. 5-jointed, latter with basal joint elongate.

dlxxviii. **Ichnopoda** Head nearly sessile: tho. longer than broad: elytra wide: body slender: abdomen acute at tip: legs slender: tarsi, especially the hinder pair, long, all 5-jointed.

dlxxix. **Tachysa** Head exserted: tho. somewhat 4-drake, or ovate: abdo-
men long, rather broad: legs moderate: anter. tarsi 4-, poster. 5-jointed, basal joint of latter elongate: ant. slender, with all the joints elongate.

dlxxx. **Philoeopora** Head nearly sessile, or broad as tho., which is orbiculate:
elytra moderate, scarcely wider than abdomen; the latter oblique at tip:
legs stoutish: tarsi 5-jointed, joints nearly equal: ant. short, stoutish, intern. joints very short.

dlxxxi. **Hygronesia** Head nearly sessile: tho. as wide as the head, smaller than the elytra: body flat, linear: tarsi 4-jointed, joints short, flat, nearly equal.

**Homalota** Head nearly sessile: tho. as broad as the head: body linear, flat: legs moderate: anter. tarsi 4-, poster. 5-jointed, poster. with 4 basal joints equal: ant. moniliform.

**Callicerus** Head nearly sessile: tho. somewhat orbiculate: elytra very short: body oblong, flat: tarsi anter. 4-, poster. 5-jointed: ant. with terminal joint very long, stout: max. palpi with 3d joint swollen, 4th minute.

**Bolitochara** Head nearly sessile: tho. broader than long, wider than the head: body flattish: abdomen somewhat linear: anter. tarsi 4-, poster. 5-jointed, basal joint rather longest: ant. somewhat elbowed, thickened to the tips.

**Oligota** Head exserted: tho. broader than long: body flattish, not nar-
rowed behind: legs pubescent: tarsi 4-jointed, slender, poster. with basal
joints elongate: ant. with 3 or 4 aquinal joints enlarged and forming a club.

dxvi. **Gyrophlena** Head nearly sessile, rhomboid: tho. scarcely larger, but wider, than the head: body short, flattened; capable of being rolled into a ball: elytra transverse: anter. tarsi 4-, poster. 5-jointed, hinder with basal joint elongate.

dxvii. **Encephalus** Head somewhat sessile, small: tho. broader than long: body very broad; capable of being rolled into a ball: abdomen strongly margined: ant. short, thick at tip: anter. tarsi 4-, poster. 5-jointed, hinder with basal joint longest.

dxviii. **Aleochara** Head sessile, deeply inserted: tho. convex, broad: elytra transverse, very short: abdomen strongly margined; of the & the 4 basal segments with a tubercle in the middle of the back: legs pubescent: tarsi 5-jointed, basal joint of hinder pair longest: ant. stout, robust, 4th to 10th joints of equal length, 11th obtuse.

dxix. **Ceranota** Head small, somewhat sessile: tho. convex, broad, rounded: elytra transverse, very short: abdomen strongly margined; of the 2 the 4 basal segments with a tubercle in the middle of the back: legs pubescent: tarsi 5-jointed, basal joint longest: ant. slender, joints of nearly equal length, 11th acute.

de. **Oxyopoda** Head sessile, very deeply inserted into the tho., which is broadest behind: body narrowed behind: elytra with a distinct notch at the outer apical angle: abdomen strongly margined: legs pubescent: tarsi with basal joint rather longer than the 2d: ant. rather long, thickened at the tip.

dei. **Placusa** Head somewhat sessile, transverse: tho. very short, the base slightly waved, angles turned backwards: elytra nearly 4-drate: abdomen rather short: legs slender: anter. tarsi 4-, poster. 5-jointed, hinder with basal joint longest.

deii. **Atemeles** Head small, sessile: tho. short, transverse; lateral margins angulated behind: body broad: abdomen margined, penult. joint with lateral processes and notched: legs slender: anter. tarsi 4-, poster. 5-jointed, hinder with basal joint elongate: ant. with 2d and 3d joints small.

(deii. **Lomechusa** Head transverse, sessile: tho. flat, hinder angles acuminated: body broad: abdomen with penult. joint notched, and having 2 short styliform processes: legs slender: anter. tarsi 4-, poster. 5-jointed: ant. fusiform.)

dxiv. **Dinarda** Head transverse, sessile: tho. with hinder angles produced into a spine: body broad: abdomen with penult. joint simple: legs moderate: anter. tarsi 4-, poster. 5-jointed: ant. with terminal joint elongate-conic.

dxiv. **Diglossa** Head sessile: tho. somewhat rounded: ant. with 2d joint very long: max. with 2 long lobes: labium with 2 long setaceous laciniae in the place of palp.

devi. **Silusa** Head sessile: tho. short, smaller than the elytra, the latter transverse: abdomen somewhat linear: legs short: anter. tarsi 4-, poster. 5-jointed, joints equal: labial palpi inarticulate, setaceous: mouth prominent.

(devi. **Gymnusa** Head sessile: tho. rather narrowed in front: legs short, tarsi all 5-jointed, basal joint of posterior elongate: ant. filiform, straight; palpi short, terminal joint subulate: mouth rostrate.)

devii. **Myllea** Head sessile: tho. broad, narrowed in front, widened, and somewhat angulated behind: abdomen conical: legs stoutish, short: anter. tarsi 4-, poster. 5-jointed, basal joint of the latter slightly elongate, anterior all very short.

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dcix. Deinopsis Head sessile, deeply inserted: tho. broad behind: abdomen conical, the apex styliform: mand. with 2 acute teeth, and broad inner toothed lobe: max. inner lobe toothed at tip; labial palpi obsolete: tarsi 3-jointed.


dexii. HabrocerUS Palpi max. with terminal joint acuminated: tho. transverse, sides rounded, narrow towards the elytra: abdomen conic, with 6 segments in the 1st, 5 in the 2nd: ant. 11-jointed; 2 basal joints stout, remainder capillary: tarsi 5-jointed.

dexiii. Tricholithyx Palpi filiform: tho. transverse, rounded on the sides and behind, as wide as the elytra, which are short: ant. 11-jointed, 2 basal joints stout, remainder capillary: tarsi 5-jointed.

dexiv. Hypocyptus Palpi max. with 4th joint subulate: body convex, globose, posteriorly attenuated: abdomen nearly retracted beneath the elytra: tarsi 4-jointed: ant. 10-jointed, 3 terminal joints forming a club.

dexv. Conurus Palpi max. with terminal joint minute, subulate: body conical, abdomen very conical: tho. transverse, broad behind: ant. 11-jointed: tarsi 5-jointed.


dexvii. Megacronus Palpi filiform, terminal joint as long as the preceding: body elongate, narrow: head rounded: tho. transverse, with rounded angles: ant. 11-jointed, terminal joint very long: tarsi 5-jointed.

dexviii. Mycetoporus Palpi max. with terminal joint minute, subulate: body elongate, slender, attenuated behind and in front: tho. widest behind: ant. 11-jointed: tarsi 5-jointed.


580 Autalia Leach.

2734 impressa Oliv. E. iii. 42. pl. 5. f. 41. — Ste. M. v. 101.— Reddish, shining; head fuscous; thorax globose, polished, with a short furrow at the apex, and 2 at the base, the last with 2 foveolets adjoining; elytra with 4 short basal furrows; abdomen red, with a black belt near the apex; legs and antennae reddish. (L. 1$\frac{1}{2}$ l.) In decaying fungi, &c.: London district; Norfolk; Suffolk; Swansea: 10-6.

2735 plicata Kirby. — Ste. M. v. 101. — Red, shining, finely pubescent; head black, larger than the thorax, the latter somewhat globose, with 4 furrows, of which the 2 outer are shortened anteriorly; elytra chestnut, with the base folded; abdomen with a black ring towards the apex; and the region of the hinder thighs dusky; legs testaceous. (L. 1$\frac{1}{2}$ l.) In boleti, &c.: London, Barham, and S. Wales: 10-4.

2736 ruficornis Ste. M. v. 102. — Reddish, shining; head dusky, small; thorax obovate, narrowed in front, with 3 furrows behind; elytra with the base folded; abdomen with a brownish belt near the tip; legs and antennae slender, red. (L. 1$\frac{1}{2}$ l.) Boleti: Hertford: 6.
2737 aterrima Ste. M. v. 102. — Black, shining; head small, orbiculate; thorax orbiculate, narrowed in front, with 4 short furrows on the disc; elytra pubescent, with the base folded; legs dull red; antennae black. (L. 1 l.) Battersea fields: 3-4.

2738 rivularis Grav. Mi. 73. — Ste. M. v. 102. — Black, shining; thorax somewhat globose, with 4 furrows, the outer ones abbreviated in front; elytra slightly pubescent, folded at the base; tibiae and tarsi dull red; antennae red. (L. 3/4 l.) Boleti: London district; Bristol; Norfolk; Suffolk; Devon: 10-6.

2739 angusticollis Ste. M. v. 102. — Black, shining; thorax narrow, obcordate, with 4 short dorsal furrows; elytra broad, each with 4 basal impressions; legs pitchy-coloured, tibiae palest; antennae pitchy-black. (L. 1 1/2-2 l.) Battersea fields; Bristol: 1-6.

581 Falagria Leach.

2740 suleata Pk. F. iii. 385. — Fa. suleatula Ste. M. v. 103. — Brown-black, shining; thorax obcordate, with a single deep furrow, carried back to the scutellum; elytra transverse, slightly impressed at the base, smooth; legs and base of antennae testaceous. (L. 1 1/2 l.) In boleti, &c.: London district; Dover; Norfolk; Suffolk: 4-6.

2741 cesa Eric. K. i. 295. — Al. suleata Ste. M. v. 103. — Brown-black; thorax somewhat heart-shaped, with a deep dorsal furrow, continued down the scutellum; elytra 4-drate, finely punctulate, with 2 obscure foveolae at the base; legs and antennae entirely rusty-testaceous. (L. 1 1/2 l.) Battersea fields; Bristol; &c.: 4-6.

2743 confinis Kirby. — Ste. M. v. 104. — Black, shining; nearly glabrous; head smaller than the thorax, the latter obcordate, with a deep dorsal furrow; elytra 4-drate, pitchy-black; abdomen slightly narrowed at the base and apex; legs red; antennae short, black, the 3 basal joints red. (L. 1 1/2 l.) In boleti; Norfolk; Suffolk: 10-4.

2744 obscura Grav. Mi. 74. — Ste. M. v. 104. — Pitchy-black, shining, slightly pubescent; head narrower than the thorax, the latter somewhat heart-shaped, with a faint dorsal furrow; elytra wide, brownish; tip of abdomen and head pitchy; legs dull red; antennae reddish, the apex obscure. (L. 1 1/2 l.) Dunghills, &c.: Battersea fields; Suffolk; Norfolk: 3-5.

2745 nigra Grav. Mi. 75. — Ste. M. v. 104. — Black, shining, finely punctured; thorax somewhat heart-shaped, with an obscure dorsal furrow, terminating in a fovea behind; elytra pitchy-black; legs slender, testaceous-brown; antennae the same, stoutish. (L. 1 l.) Under stones, &c.: London district; Bristol; Suffolk: 2-4.

2746 pieca Grav. Mi. 75. — Ste. M. v. 104. — Pitchy-black; polished; smooth; thorax obcordate, with an impression at the base, sometimes obscure; elytra pitchy, the apex paler; abdomen broad; legs reddish; antennae pale pitchy. (L. 1 2/3 l.) Stones, &c.: London district; Bristol; Devonshire: 2-4.

2747 polita Cur. fo. 462. — Ste. M. v. 429. — Black, very glossy, with a few scattered hairs; thorax with a deep dorsal furrow, and a transverse row of punctures at the base; scutellum elongate, with a broad channel down the middle; elytra slightly chestnut at the apex; legs dull red; base of antennae ochreous. (L. 1 1/2 l.) Winterborne Stoke: 4.

2748 thoracica Kirby. — Ste. M. v. 105. — Cur. x. pl. 462. — Pitchy-black, shining; with a delicate silken pile; thorax obcordate, red, with a rather deep dorsal furrow; elytra pitchy; legs testaceous-red; antennae

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the same, stoutish. (L. 1½ l.) Hunstanton, Norfolk; Birch Wood; Castle Eden Dean: 8-4.

2749 nitens Kirby.—Ste. M. v. 105. —Brown-black, shining; nearly glabrous; thorax gibbous, heart-shaped, with an obscure basal impression; elytra broader, pitchy-red, pubescent; legs and antennae reddish-brown. (L. 1-1½ l.) Under stones: London district; Norfolk: 8-4.

2750 floralis Spence?—Ste. M. v. 105. —Black, shining; slightly pubescent; thorax gibbous, obcordate, with an obscure puncture in the middle behind; elytra each with 2 impressions at the base; legs and antennae pitchy-red. (L. 1½ l.) Stones, &c.: London district; Norfolk: 8-4.

2751 flavipes L. ii. 685.? —Ste. M. v. 105. —Dull-red, smooth; head dusky; thorax gibbous, somewhat heart-shaped, pitchy-red, with a faint dorsal line; elytra broad; abdomen with an obscure ring near the apex; legs pale testaceous; antennae and mouth dull red. (L. 1½ l.) Stones, &c.: London district; Bristol; Suffolk: 10-4.

582 Calodera Mannerheim.

2752 nigricollis Ph. F. iii. 400. —Ste. M. v. 125. —Red-brown; opaque; very much punctured; slightly pubescent; thorax somewhat 4-drate, brown; elytra, legs, and antennae testaceous. (L. 1½-2½ l.) Under stones: London district; Barham; Bristol; Norfolk: 5-6.


2754 uliginosa Eric. K. i. 305. —M. ruftarsis Ste. M. v. 124.? —Deep black, slightly shining, with a delicate silky pubescence; finely punctulate; thorax slightly convex, the base with 2 foveae; elytra 4-drate, thickly punctured; abdomen shining, slightly punctured above; tarsi, antennae, and mouth red. (L. 1½ l.) Under stones: London district; Devon; Suffolk: 5-6.

2755 jEthiops Grav. Mi. 77. —Pitchy; slightly pubescent; very finely punctured; thorax rather convex, the base with a transverse impression; abdomen very thickly punctured above; legs and antennae pitchy. (L. 1½ l.) Under stones: London district: 4.

583 Astilbus Dillwyn.

2756 canaliculatus Fab. E. ii. 599. —Pz. F. xxvii. f. 13. —Ste. M. v. 106. —Testaceous-red, very thickly punctured; thorax oblong, with a deep longitudinal furrow, the disc flattish behind; abdomen thrice the length of the elytra, with a black ring towards the apex; head black. (L. 2-2½ l.) Under stones, &c.: London district, and widely distributed: 4.

584 Ocalea Erichson.

2757 picata Kirby. —Ste. M. v. 125. —Occ. castanea Eric. K. i. 299. —Shuck. B. C. pl. 24. f. 4. —Elongate; pitchy-brown, shining, finely punctured; thorax somewhat orbiculate, truncate in front, and with a fovea at the base; elytra punctulate; legs pale testaceous; antennae and palpi testaceous-red. (L. 2½ l.) Moss, &c.: London district; Norfolk; Suffolk; Southend; S. Wales: 4-6.

585 Polystoma Stephens.

2758 obscurella Grav. Mi. 159. —Shuck. B. C. pl. 24. f. 8. —Al. means Ste. M. v. 113. —Black, with a dense golden silky pubescence; head finely punctured, and with a smooth line; thorax with an obscure dorsal
channel; abdomen rather glossy, broad; tip acute; legs pitchy; knees and tarsi red; antennæ pitchy, terminal joint somewhat obtuse. (L. 1¼-2 l.)


586 ZYRAS Stephens.

2759 Haworthi Kirby. — Ste. M. v. 126. pl. xxvi. f. 3. — Shining-red; head, thorax, epigastrium, outer angle of the elytra, and tip of the abdomen, black; antennæ dusky dull-red, the base paler. (L. 2½ l.) Boleti: Norfolk: 6.

587 PELLA Stephens.

2760 limbata Ph. F. iii. 299. — Ste. M. v. 162. — Brown-black; shining; very smooth, with a silken pile; thorax with an obscure dorsal channel; breast, margins of the elytra, and legs red; antennæ pitchy-black, reddish at base and apex, the terminal joint stout, elongate, and compressed. (L. 2-2¼ l.) Boleti, &c.: London district; Norfolk; Suffolk: 3-6.

2761 divisa Marsh. i. 510. — Ste. M. v. 162. — Black; obscure, slightly shining and smooth; thorax with a distinct dorsal furrow, deepest behind; elytra dull testaceous; legs and palpi pale testaceous; antennæ black, base testaceous, terminal joint longish and acute. (L. 2-2¼ l.) London district: 3-4.

2762 humbata Grav. Mi. 90. — Ste. M. v. 163. — Shuck. B. C. pl. 24. f. 7. — Dusky-black; shining; thorax somewhat margined, with a dorsal furrow; elytra minutely punctured, the shoulders red; breast and abdomen dull red, the last with a broad black belt; legs and palpi red; antennæ pitchy, terminal joint moderate, ovate, acute. (L. 2½-3 l.) London district; Norfolk; Suffolk; Devon: 10-4.

2763 funesta Grav. Mo. 168. — Ste. M. v. 163. — Black; shining; thorax with a fovea in the middle of the base, which is rounded; elytra black, with a griseous pile; abdomen with the edges of the central segments reddish; palpi, legs, and antennæ fuscous, the base of the latter reddish, the terminal joint elongate, somewhat acute. (L. 2¼ l.) Hertford: 6.

2764 crassicornis Kirby. — Ste. M. v. 113. — Black; rather shining, with a short silken pile; thorax broadest in front, minutely punctured, the disc with a small basal fovea; elytra somewhat transverse; legs fuscous; tibie paler; tarsi dull red; antennæ stout, dull red, terminal joint conic. (L. 1¼-2 l.) In Boleti: Suffolk, and London district.

588 ISCHNOPODA Stephens.

2765 longitaris Kirby. — Ste. M. v. 110. — Black, with an obscure silken pile; thorax oblong, with an obsolete furrow behind; elytra pitchy-black; abdomen linear, legs testaceous-yellow, thighs fuscous, hinder tarsi very long; antennæ pitchy, apical joint oblong. (L. 1¼ l.) Moss, &c.: London district; Suffolk: 4-6.

2766 leucopha Marsh. i. 506. — Ste. M. v. 110. — Black, rather obscure, with a silken pile; thorax 4-drate orbicular, dilated in front, with a very obscure dorsal furrow; abdomen slightly margined; legs slender, black; tarsi pale; antennæ and palpi slender and longish. (L. 1½ l.)


2767 chalybea Ruhl. — Deep black, with a bright steel-blue tinge; delicately pubescent; thorax with a slight dorsal channel, and a deepish basal
fovea; tibiae, especially the anterior, somewhat pitchy; tarsi pitchy-red. (L. 1 ½ l.) Grass: Ryde, and near London: 6.

2768 ruficornis Kirby. — Ste. M. v. 111. — Black, with a short silken ashy pubescence; head rounded; thorax with a distinct dorsal furrow; abdomen strongly margined; tibia and tarsi (the latter stoutish) pale red; antennae long, pitchy-black, terminal joint stoutest, ovate. (L. 1 ½ l.) Near London; Suffolk; Norfolk; Devonshire: 3-6.

2769 frontalis Kirby. — Ste. M. v. 111. — Black, smooth, with an obscure pile; head somewhat orbiculate, pitchy, with a deep frontal impression; thorax flattish, with a dorsal furrow; elytra pitchy-black; abdomen linear; legs and base of antennae tawny-ochreous, apex of latter pitchy. (L. 1 ½ l.) Suffolk: 5-6.

2770 foveata Kirby. — Ste. M. v. 111. — Deep black, rather shining, with a slightly silken pubescence; head 3-angular-orbiculate, with a large frontal impression; thorax with an obscure dorsal furrow, and some minute punctures; elytra distinctly punctured; abdomen linear, smooth; legs pitchy, anterior tibiae and all the tarsi fuscous; antennae with terminal joint ovate-acute. (L. 1 ½ l.) London district; Devon; Great Blakenham, Suffolk: 10-4.

2771 attenuata Marsham. — Ste. M. v. 112. — Deep black; slightly shining; with an obscure pile; thorax rather convex, with a broad shallow fovea towards the base; elytra dull pitchy; abdomen glossy, much narrowed towards the apex, which is acute; thighs dusky; tibiae and tarsi pitchy-red; antennae pitchy, the terminal joint ovate-obtuse. (L. 1 ½ l.) London district: 4.

589 TACHYUSA Erichson.

2772 † constricta Eric. K. i. 307. — Slender; pitchy; finely pubescent; thorax somewhat ovate; abdomen very much narrowed at the base; legs and antennae red. (L. 1 ½ l.) Near Yarm, Yorkshire: 7.

2773 atra Grav. Mo. 162. — Shuck. B. C. pl. 24. f. 2. — Deep black, opaque; scarcely punctulated; with a fine ashy pubescence; thorax 4-dratted; flattish, with an obsolete central channel; abdomen rather narrowed towards the apex; legs elongate, pitchy-brown; tibiae somewhat testaceous; tarsi ochreous; antennae long, filiform, pitchy. (L. 1 ½ l.) Under moss, &c.: Isle of Wight: 6.

590 PHILOPOPA Erichson.

2774 reptans Grav. Mo. 154. — Shuck. B. C. pl. 24. f. 1. — Al. confinis Ste. M. v. 123. — Black, slightly shining, finely punctured; thorax transversely 4-dratted, the anterior angles obtuse; elytra, tip of abdomen, legs, and antennae, pitchy-red. (L. 1 ½ l.) London district, and in Norfolk: 4-6.

2775 corticalis Grav. Mi. 76. — Ste. M. v. 127. — Pitchy-black, rather shining; obsoletely punctate; thorax somewhat 4-dratted, anterior angles rounded; elytra dull reddish, apex brighter; tip of abdomen and legs testaceous; antennae dull red, apex obtuse. (L. 1 ½ l.) Var. Al. teres Grav. Mi. 79. — Ste. M. v. 117. — Darker; the elytra fuscous, with the extreme tip pitchy, or reddish. Under bark: London district; Suffolk; Norfolk; Scotland: 4-8.

591 HYGRONOMA Erichson.

2776 dimidiata Grav. Mo. 149. — Cur. xi. pl. 514. — Al. basella Ste. M. v. 112. 430. — Black; rather obscure; forehead flat; thorax with a dark furrow; elytra luteous-yellow, with the base black; legs and 4 basal joints of the antennae reddish yellow. (L. 1 ½ l.) On banks of
Orwell, near Barham; Battersea fields; Askham Bryan, Yorkshire: 2-6.

592 Homalota Mannerheim.


593 Callicerus Gravenhorst.


594 Bolitochara Mannerheim.

§ A. Hinder tarsi with basal joint elongate.

2779 collarisPk. F. iii. 401. — Ste. M. v. 125. pl. xxvi. f. 2. — Bright red; head, elytra, breast, and tip of abdomen, black; thorax somewhat 4-dratc, with a fovea at the base; legs and tip of the antennae pale. (L. 2-2½ l.) Under stones, moss, &c.: Norfolk: 10-4.

2780 lunulata Pk. F. iii. 415. — Ste. M. v. 124. — Shuck. B. C. pl. 24. f. 3. — Testaceous-red; shining; slightly pubescent; thorax finely punctured, the disc rather dusky behind, and with a slight fovea; head fuscous, and, with the elytra, which are also fuscous, except the shoulders, rather coarsely punctured; abdomen towards the apex, breast and middle of the antennae, brown-black; § with a ridge on penultimate segment of abdomen; Q small. (L. 1½-2 l.) Boleti, &c.: New Forest; Yorkshire; Bristol; Barham: 6.

2781 obliqua Eric. K. i. 298. — Fuscous; finely punctured; thorax with a slight fovea at the base; elytra with a distinct dull red streak from the shoulder to the apex of the suture; legs also dull red: § with penultimate segment of the abdomen granulated. (L. 1½ l.) Boleti, &c.: New Forest: 6.

2782 dissimilis Rudd. — Dull red, very thickly and finely punctured; head dusky; thorax coarsely punctured, widish, with a faint basal depression; elytra with a dark cloud on the outer apical angle; abdomen with the 3 terminal segments dull black; legs pale testaceous; antennae stout, dull brown, basal and apical joints paler. (L. 1½ l.) Boleti, &c.: Isle of Wight: 6.

(2783 lucida Grav. Mi. 70. — Ste. M. v. 141. — Red; shining; head, breast, outer angle of the elytra, and a belt on the abdomen, black; antennae black, base red. (L. 1½ l.) Introduced in mistake as British.)

§ B. Hinder tarsi with the 4 basal joints equal.

a. Wingless.

2784 eireccollaris Grav. Mo. 155. — Al. einguulata Kirby. — Ste. M. v. 126. — Wingless; testaceous-red; slightly shining; head fuscous or black; thorax somewhat 4-dratc, with an obscure fovea at the base; abdomen with a pitchy belt beyond the middle; legs pale, and antennae reddish yellow: § with the elytra tuberculated near the scutellum, the penultimate segment of the abdomen dentate in the middle. (L. 1-1½ l.)
Var. Al. contigua Ste. M. v. 130. — Pitchy-red, legs paler; antennae pitchy; head and abdominal belt deep black.
Var. Al. rufescens Kirby. — Ste. M. v. 128. — Dusky, or blackish; thorax, antennae, legs, and tip of abdomen, red. Boleti, decayed trees, &c.: London district; Norfolk; Suffolk; Devon; &c.: 4-6.

b. Winged.

1. Thorax nearly as long as broad: abdomen mostly linear.

2785 graminicola Grav. Mo. 176. — Al. ruifasis Kirby? — Ste. M. v. 124.? — Black; shining; with a silken pile; legs pitchy; tarsi red; thorax somewhat 4-drate, the base with 2 deep fovelets; abdomen above sparingly and obscurely punctured: $\exists$ with the penult. segment of abdomen punctured; $\exists$ smooth. (L. $1\frac{1}{2}$-2 l.) Boleti, &c.: London district; New Forest; Ryde; Suffolk; Devon: 6.

2786 quisquiliarum Gyll. ii. 398. — Al. foveolaris Kirby. — Ste. M. v. 119.? — Linear; flattish; black; with a delicate silken pile; elytra fuscous; legs and base of antennae testaceous; thorax somewhat 4-drate, narrower than the elytra, and with an obscure dorsal channel; abdomen above sparingly and finely punctured: $\exists$ with an elevated line in the middle of the penult. segment of the abdomen. (L. $1\frac{1}{2}$-2 l.) Fungi: London district: 6.

2787 carbonaria Kirby. — Ste. M. v. 123. — Deep black, glossy; slightly pubescent; thorax rather convex, punctulated, rounded behind, with an obscure foveolate; elytra convex and punctured, dull pieceous, with the apex pale; abdomen linear, smooth; legs pitchy; tibiae and tarsi dull reddish; antennae pitchy-black. (L. 1-1$\frac{1}{2}$ l.)

Var. Al. subpubesces Kirby. — Ste. M. v. 123. — Thorax more distinctly foveolated at the base, the hinder thighs black. Fungi, &c.: London district; Suffolk; Norfolk; New Forest; S. Wales: 6.

2788 foveola Leach. — Ste. M. v. 124. — Black, rather shining; head narrower than the thorax, rounded; thorax widened behind, and with a basal fovea; elytra rather wider, pubescent, punctured; abdomen glossy, smooth; thighs brown; tibiae pitchy, or reddish; tarsi pitchy; antennae somewhat filiform. (L. $1\frac{1}{2}$-$1\frac{3}{4}$ l.) Fungi: Hertford; Devon; S. Wales: 6.

2789 elongatula Grav. Mi. 79. — Ste. M. v. 127. — Al. elongata Kirby? — Ste. M. v. 117.? — Linear, flattish; black; rather shining, with a silken pile; elytra fuscous; tip of abdomen, legs, and base of antennae, testaceous; thorax somewhat 4-drate; abdomen with the anterior segments thickly, and the posterior dispersedly and finely, punctulate; thorax sometimes with a small basal foveola, or a faint channel. (L. $1\frac{1}{2}$ l.) Marshy ditches: London district; New Forest; Norfolk; Suffolk; 4-6.

2790 linearis ditches Grav. Mi. 69. — Ste. M. v. 119.? — Linear; black; or pitchy; elytra fuscous; base of the antennae, legs, and tip of the abdomen, testaceous; thorax somewhat 4-drate, with a distinct dorsal channel; abdomen above sparingly and finely punctured, apex smooth: $\exists$ with a frontal impression. (L. $1\frac{1}{2}$-$1\frac{3}{4}$ l.) Moss: London district; Norfolk: 12-4.

2791 angustula Gyll. ii. 391. — Ste. M. v. 119. — Linear; flattish; black; base of antennae, elytra, and legs, testaceous; thorax somewhat 4-drate, with a distinct dorsal channel; abdomen above very thickly and finely punctulated: $\exists$ with a frontal impression, the thorax rather broadly channelled, and the penult. segment of the abdomen somewhat granulated. (L. $1\frac{3}{2}$-$1\frac{3}{4}$ l.) Rare; moss: London district and Nottingham: 12-2.

2792 inquinula Grav. Mi. 78. — Al. amicula Ste. M. v. 132. — Linear;
flattish; black, or pitchy; slightly pubescent; thorax slightly transverse, without any basal fovea; elytra dull red, or pitchy; abdomen linear; legs pale testaceous; antennae pitchy-black, the 2 basal joints red. (L. ¾ l.) Fungi: London district; Suffolk: 6.

2793 analis Grav. Mi. 76. — Al. inquinula Kirby. — Ste. M. v. 128. — Linear, flattish; black; slightly pubescent; thorax brownish, or reddish, somewhat orbiculate, moderately convex, the base with a slight transverse fovea; elytra brown, or dull red; tip of abdomen, legs, and antennae, testaceous. (L. ¾-1 l.) Fungi: Darenth Wood; Suffolk; Devon; Yorkshire: 5-6.

2794 fovealata Kirby. — Ste. M. v. 128. — Narrow; dusky; slightly pubescent and shining; thorax with a slight basal impression; elytra pitchy-black; abdomen with the apex reddish; legs dull red; antennae pitchy, the base paler. (L. ¾ l.) Fungi: London district; Suffolk: 6.

2795 nigrofusca Kirby. — Ste. M. v. 129. — Brown-black; with a slight pubescence; head scarcely so wide as the thorax; the latter with an obscure dorsal channel; elytra fusaceous, with a silky pile; abdomen with its tip rather pitchy; legs and antennae dull red, the latter slightly thickened exteriorly. (L. ¾ l.) London district; Suffolk: 6.

2796 littoralis Marsham. — Ste. M. v. 139. — Linear, black, slightly shining; head as wide as the thorax, nearly 4-inate; thorax somewhat orbiculate, transverse; elytra dull pitchy; legs and antennae testaceous-red, the latter thickened towards the apex, with the terminal joint small, obtuse. (L. ¾ l.) Boleti: London district: 6.

2797 angusta Ste. M. v. 139. — Slender; pitchy-black, slightly pubescent and shining; head small, black; thorax wider, minutely punctured, and with a faint basal fovea; elytra pitchy; tip of abdomen palish; legs pitchy-red; antennae pitchy, base paler, terminal joint acute. (L. ¾ l.) Putrid fuci: Dover; Bristol: 6.

2798 tenuior Kirby. — Ste. M. v. 143. — Narrow; black, rather obscure; glabrous; head somewhat 3-angular; elytra dull rusty-red; abdomen with the apex pitchy; legs ochreous; antennae pitchy, base dull red, terminal joint suddenly larger than the rest, acute. (L. ¾ l.) Boleti: London district; Suffolk: 6.

2799 Boleti L. ii. 686. — Ste. M. v. 129. — Brown, somewhat glabrous; head blackish; thorax a little rounded; elytra pale fuscous, convex; abdomen with the tip reddish; legs, palpi, and antennae pale, the latter with the terminal joint obtuse: — elytra sometimes reddish, with the base rather obscure. (L. ½ l.) Boleti: London district: 6.

2800 immunis Kirby. — Ste. M. v. 129. — Black, nearly glabrous and shining; head somewhat orbiculate; thorax minutely punctulate, with an obscure transverse impression on the disc; elytra pitchy-black, very finely punctulate; abdomen with the tip pitchy-red; legs pale testaceous; antennae pilose, pitchy-red, the 2 basal joints pale testaceous. (L. 1 l.) Fungi: Norfolk: 6.

2801 apicalis Ste. M. v. 130. — Pitchy-brown; slightly shining, rather pubescent; head black, somewhat orbiculate; thorax slightly convex, with a faint dorsal channel, terminating in a slight fovea; elytra pubescent; abdomen with its tip pitchy-red; legs and antennae paler pitchy-red, the latter rather long and slender. (L. 1½ l.) Fungi: London district: 6.

2. Thorax as broad as long: abdomen mostly wide, flat.

2802 brunnea Fab. E. ii. 600. — Al. cinnamomea Ste. M. v. 139. — Flatish; testaceous; shining, head and penult. segments of the abdomen pitchy; abdomen itself rather strongly punctured; thorax somewhat trans-
versely 4-drante, with a faint dorsal impression; legs pale testaceous. (L. 1 1/2-2 l.)

Var. Al. zonalis Kirby. — Ste. M. v. 140. — Reddish, head pitchy-black; belt on the abdomen and the antennae black.

Var. ? Al. atriceps Kirby. — Ste. M. v. 140. — Reddish, head black; elytra with a cloud near the scutellum, and on the outer apical angles fuscous; belt on the abdomen and antennae brown.

Var. ? Al. nigriceps Marsh. i. 515. — Ste. M. v. 140. — Broad; testaceous-red; head black; abdominal belt dusky; antennae testaceous, the base palest.

Var. ? Al. thoracica Ste. M. v. 140. — Dull red; head black; thorax light red, with 2 brown clouds; abdominal belt dusky. In boleti and under bark: Coombe Wood; Hertford; Spitchwick; Norfolk; Suffolk; S. Wales, &c.: 5-6.

2803 sericans Graw. Mo. 159. — Black, shining; head and thorax with a yellowish silken pile; thorax punctured, transverse, flattish, with a fovea at the base; elytra and legs dull testaceous; abdomen smooth above, the anterior segments sparingly and finely punctured, the tip pale yellowish; basal joint of antennae pale red. (L. 1 1/2-2 l.) Boleti: London district; Ryde: 6.

2804 incana Erich. K. i. 329. — Elongate, flattish, deep black; opaque, clothed with an ashly pile; thorax narrower than the elytra, flat in the middle; abdomen above very finely granulated; base of the antennae and the tarsi red. (L. 1 1/2-1 l.) Putrid fuel: Ryde: 6.

2805 socialis Ph. F. iii. 407. — Oliv. E. iii. 42. pl. 3. f. 23. — Ste. M. v. 134. — Black, slightly shining; antennae, legs, and elytra testaceous, the latter with the base of the suture and the outer tips dusky; thorax transverse, with a faint channel; the sides sometimes pale; abdomen sparingly and finely punctured above, the tip smooth, with antepenult, segment of abdomen flat, and serrated on the edge; 2d segment not tubercled; smooth. (L. 1 1/2-1 1/2 l.)


2806 xanthoptera Kirby. — Ste. M. v. 116. — Black, rather shining, with a pitchy pile; thorax faintly narrowed in front; elytra dull testaceous, or brownish, rather dusky towards the scutellum and on the outer apical angles; tip of abdomen pitchy; legs pale testaceous; antennae dusky, base red. (L. 1 1/2-1 1/2 l.)


2807 vicina Kirby. — Ste. M. v. 116. — Shining black, smooth: disc of elytra, tibiae, and tarsi reddish; tibiae and tarsi dull red; antennae with terminal joint elongate; with a dorsal tubercle on the 2d segment of the abdomen; penult. segment thickly punctured; smooth. (L. 1 1/2 l.) Rotten oaks: London district; Ryde: 6-7.

2808 consimilis Kirby. — Ste. M. v. 116. — Black; shining; punctulated, and with a short silken pile; thorax rounded behind, and with a faint basal impression; elytra flattish, dull brown; legs black, or pitchy-black; tarsi red; antennae black, slender, nearly filiform. (L. 1 1/2 l.) Fungi: London district; Suffolk: 6.

2809 assimilis Kirby. — Ste. M. v. 117. — Black; slightly shining, finely punctured; with an ashly silken pile; thorax with an obscure basal impression; elytra flattened towards the scutellum, and with an elevated humeral callus; abdomen linear, glabrous; legs pale testaceous, thighs
brownish; antennæ shortish. (L. 1½ l.) Boleti: London district; Suffolk: 6.

2810 nigripalpis Kirby. — Ste. M. v. 120. — Black; slightly shining, head somewhat orbiculate, scarcely narrower than the thorax, the latter waved behind, minutely punctulate; elytra pitchy; abdomen glossy; legs pale; palpi and antennæ black. (L. 1¼ l.) Boleti: London district; Suffolk; Norfolk: 6.

2811 nitidiuscula Ste. M. v. 121. — Pitchy-black, slightly shining, and pubescent; head black; thorax slightly convex; elytra pitchy; abdomen glossy, deeply marginated, the apex pitchy; legs pale pitchy-red; antennæ long, pitchy, the base red; terminal joint obtuse. (L. 1½ l.) Boleti: London district: 6.

2812 consobrina Ste. M. v. 122. — Black; slightly shining, and pubescent; head orbiculate; thorax with an obscure basal fovea; elytra pitchy-red, base of suture and the outer margin dusky; abdomen glossy, tip pitchy; legs pitchy-red; antennæ short, stoutish. (L. 1½ l.) Boleti: London district: 6.

2813 testaceipes Ste. M. v. 122. — Black; shining, rather glabrous; head orbiculate; thorax impunctate; elytra broad, livid pitchy, outer hinder angles dusky; abdomen broad; apex acute and pitchy; legs pale livid; antennæ short, stout, black. (L. 1¼ l.) Fungi: London district: 6.

2814 caliginosa Ste. M. v. 123. — Black; rather shining, slightly pubescent; head nearly orbiculate, narrower than the thorax, the latter flattish, with a faint dorsal channel; elytra dark pitchy; abdomen glossy; legs pitchy-red; antennæ rather long and slender. (L. 1½ l.) Fungi, &c.: London district: 6.

2815 antennata Kirby. — Ste. M. v. 115. — Black; rather shining and pubescent, finely punctured; thorax slightly narrowed in front, rounded behind, with a faint dorsal channel; elytra dull testaceous; abdomen with the tip acute and pitchy; legs dull red; antennæ somewhat filiform, slender at base, and half the length of the body. (L. 1 l.) Fungi: Scotland and Suffolk: 6.

2816 pusilla Grav. Mi. 78. — Ste. M. v. 115. — Black; slightly shining; finely pubescent and punctured; head somewhat orbiculate; thorax with a transverse basal foceole; elytra longer than the thorax, very thickly punctured; tip of abdomen and legs testaceous; antennæ red, pilose, terminal joint acute. (L. 1 l.) Fungi: Scotland and Suffolk: 6.

2817 pallipes Kirby. — Al. longiuiseula? Ste. M. v. 118. — Black; rather shining; smooth; slightly pubescent; thorax rounded behind, flattish, with an obscure dorsal furrow; elytra broad, pitchy-black; legs testaceous, thighs brownish; antennæ pitchy, slightly thickened at tip, apical joint rather short, acute. (L. 1½ l.) Boleti: London district; Suffolk; S. Wales: 6.

2818 sericopetera Kirby. — Ste. M. v. 119. — Black; slightly shining; with a short dusky pile; head orbiculate-ovate; thorax slightly narrowed and rounded behind; elytra 4-drate, flat, brown, pubescent; abdomen glossy; legs ochreous; antennæ thickened at tip, dusky-red, the basal joint red; palpi dusky. (L. 1½ l.) Boleti: London district; Suffolk; Norfolk: 6.

2819 nigricornis Kirby. — Ste. M. v. 120. — Black; obscure; with a slight dingy pile; head somewhat orbiculate; thorax rounded behind, finely punctured, with an obscure dorsal channel; elytra rather thickly punctured, flat; abdomen linear, glossy; legs livid-testaceous, base of antennæ reddish. (L. 1½ l.) Boleti: London district; Suffolk: 6.

2820 Brassicæ Kirby. — Ste. M. v. 120. — Deep black; rather shining;
with a dusky silken pile; head 3-angular-orbiculate; thorax rounded
behind, obseletely punctured, with an obscure furrow at the base; elytra
dull tawny-yellow; abdomen linear; legs tawny; 2 basal joints of an-
tennae red, terminal one acute; palpi reddish. (L. 1 l.) Vegetable
refuse: London district; Norfolk; Suffolk: 6.

2821 atramentaria Gyll. ii. 408. — Ste. M. v. 130. — Black, rather smooth
and shining; head rounded, narrower than the thorax, the latter rounded
behind and with an obscure dorsal line; elytra flattish; legs, especially
the tibiae, reddish; thighs sometimes pitchy; antennæ wholly black, fili-
form. (L. 1-1½ l.) Boleti: London district; Norfolk; Suffolk; S.
Wales: 4-6.

2822 admota Kirby. — Ste. M. v. 131. — Black, rather shining and wide;
thorax slightly narrowed behind, the disc not channelled; elytra broader
and longer than the thorax, pubescent; legs red; antennæ short, black,
thickened at the tip. (L. 1 l.) Boleti: Suffolk; Bristol: 6.

2823 pumila Kirby. — Ste. M. v. 131. — Black, slightly pubescent and
glossy; head somewhat orbiculate; thorax with an obscure dorsal chan-
nel; elytra transverse; abdomen linear; legs pitchy, anterior palest;
antennæ longish, slightly thickened exteriorly. (L. 3 l.) Fungi: Lon-
don district; Norfolk; Suffolk: 4-6.

2824 livipes Kirby. — Ste. M. v. 131. — Black; obscure, smooth; head
orbiculate; thorax with a faint dorsal furrow; elytra flattish, pitchy-
black; abdomen linear, the tip rather acute; legs testaceous. (L. 1 l)
Fungi: London district; Suffolk: 4-6.

2825 erythropa Kirby. — Ste. M. v. 131. — Deep black; smooth, glabrous;
head nearly as wide as the thorax, which is somewhat orbiculate, with a
very obscure dorsal furrow; elytra flattish; abdomen linear, very glabrous;
legs bright red; antennæ slender, nearly filiform. (L. 3½ l.) Boleti:
London district; Suffolk: 6.

2826 obscuriusca Kirby. — Ste. M. v. 132. — Black, with a dull obscure
pubescence; head somewhat orbiculate; thorax flattish, with a dorsal
furrow; abdomen linear; legs dull red, thighs black; antennæ shortish,
slightly thickened, the 2 basal joints red. (L. 1 l.) Boleti: London
district; Norfolk; Suffolk: 6.

2827 picipennis Kirby. — Ste. M. v. 132. — Black, shining, slightly round-
ed; glabrous; head somewhat orbiculate; thorax with an obscure fovea
behind; elytra pitchy; abdomen linear; legs red; antennæ shortish,
thickened at tip. (L. 3 l.) Boleti: London district; Suffolk; Yorks-
shire: 3-5.

2828 fuscula Ste. M. v. 132. — Black brown; slightly shining; pubescent;
head orbiculate; thorax wider, narrowed behind, and with a faint dorsal
furrow, terminating in a basal foveollet; elytra pale-brown; abdomen
shining, conic, the tip somewhat pitchy; legs pale testaceous; antennæ
the same, with the tip dusky. (L. 1½ l.) Boleti: London district: 6.

2829 brunnipes Ste. M. v. 133. — Black, slightly shining and pubescent;
head orbiculate; thorax wider, minutely punctured, but not channelled;
elytra dull black; abdomen rather conic; legs red-brown; antennæ with

2830 atricornis Ste. M. v. 133. — Pitchy-black, slightly pubescent and
shining; head orbiculate-3-angular; thorax wider, with a small basal
foveollet; elytra dull pitchy-brown, slightly convex; abdomen conic acute;
legs and antennæ at base fuscous. (L. 1¼ l.) Boleti: London dis-
trict: 6.

2831 fimetarius Ste. M. v. 133. — Pitchy-brown, slightly shining and pu-
bescent; head somewhat orbiculate; thorax rounded behind, with a faint
dorsal line; elytra slightly convex, deep piceous; abdomen glossy, slightly conic; legs piceous; antennae fuscous, slender at the base. (L. 1 1.1) Boleti: London district: 6-8.

3. Thorax broader than long (transverse).

2832 cinnamonomea Graev. Mi. 88. — Al. pallipes Ste. M. v. 151. — Red-brown; very finely punctured; head somewhat orbiculate; thorax transverse, slightly convex; abdomen black, glossy above and narrowed towards the apex; legs and base of the antennae pale testaceous. (L. 1 1 2.1) Fungi, &c.: London district; New Forest; Devon: 5-6.

2833 longicornis Graev. Mi. 87. — Ste. M. v. 114. — Oblong; black; shining; very thickly punctured; thorax somewhat orbiculate and flattish; abdomen very thickly punctured above; the tip brownish, or testaceous; elytra and legs testaceous; antennae rather long, somewhat filiform. (L. 1-1 1 1.) Fungi: London district; New Forest; Norfolk; Suffolk: 6.

2834 Fungi Graev. Mo. 157. — Al. xanthopa Kirby. — Ste. M. v. 114. — Black; rather glossy; very thickly punctured; thorax transverse, slightly convex, as broad as the abdomen, which is slightly narrowed towards the apex, the terminal joint sparingly punctured; elytra piceous, or testaceous; legs and antennae red; the apex of the latter sometimes dusky. (L. 1 1 1.) Var. Al. tricolor Kirby. — Ste. M. v. 114. — Elytra fuscous; tip of abdomen pitchy; legs testaceous; antennae red brown. Fungi, &c.: London district; Darenth Wood: 6.

2835 contigua Kirby. — Ste. M. v. 116. — Black; somewhat obscure; finely pubescent and punctured; head narrower than the thorax, the latter narrow behind, both with a central fovea; elytra dull red; legs red; antennae wholly black, distinctly perfoliated. (L. 1 1 1.) Fungi: London district; Suffolk: 6.

2836 angustata Kirby. — Ste. M. v. 115. — Narrow; deep black, shining; head somewhat orbiculate; thorax truncate in front, rounded behind, delicately punctured; elytra flat, obscurely punctured, dull red or pitchy; abdomen with the head and apex pitchy; legs ochreous; antennae pitchy at the base. (L. 1 1.) Fungi: London district; Suffolk: 6.

2837 nitudula Kirby. — Ste. M. v. 118. — Rather elongate, black, shining; slightly pubescent; head triangular-orbiculate; thorax narrowed behind, and with a faint dorsal furrow; elytra dull reddish, finely punctulate; abdomen linear, glossy; legs ochreous; antennae dull red, terminal joint rather obtuse; palpi dull red. (L. 1 1.) Marine rejectamenta: Holme, Norfolk: 8.

2838 sulcifrons Kirby. — Ste. M. v. 121: — Black; shining; slightly pubescent; minutely punctured; head orbiculate, with an obscure frontal channel; thorax broadest rather before the middle, the disc with a faint channel; elytra dull pitchy; abdomen glossy; legs reddish; antennae long, dull red. (L. 1 1.) Boleti: London district; Norfolk; Suffolk; Devon; S. Wales: 6.

2839 foveatocollis Kirby. — Ste. M. v. 134. — Black, rather shining; thorax minutely punctured, and with a slight basal fovea; elytra slightly pubescent, thickly and finely punctulated, fuscous, with an oblique dense pale streak; abdomen linear, glossy; legs testaceous; antennae with the basal joint red, the apical one elongated, acute. (L. 1 1.) Boleti: London district; Yorkshire, and Scotland: 6.

2840 obfusca Graev. Mi. 87. — Ste. M. v. 135. — Black; shining; finely pubescent; head somewhat 3-angular; thorax broader, pitchy, its lateral
Brachelytra. — Tachyformi. E.

Margins paler; elytra dull testaceous, convex, punctured; abdomen linear, apex pitchy; legs testaceous; antennae fuscous. (L. 1½ l.) Fungi: London district; Norfolk: 6.

2841 laticolliis Kirby. — Ste. M. v. 135. — Pitchy, rather glabrous; minutely punctured; head black; thorax broad, rounded behind, livid, with a faint dorsal channel; elytra rather wider than the thorax, livid; abdomen with the apex red; legs pale; antennae pitchy, base pale; — disc of thorax sometimes dusky. (L. §-1 l.) Boleti: London district; Suffolk: 6.

2842 rufungula Kirby. — Ste. M. v. 135. — Black; shining; rather pubescent, and very much punctured; head somewhat orbiculate; thorax with the hinder angles broadly red; elytra flat, rusty-red, sides, antennae, and inner base dusky; legs pale red; antennae fuscous. (L. 1 l.) Fungi: London district and Suffolk: 6.

2843 infuscata Kirby. — Ste. M. v. 136. — Black; shining; slightly pubescent; minutely punctured; head orbicular; elytra not wider than the thorax, red-brown; abdomen linear; legs livid; antennae longish, pitchy-black. (L. 1 l.) Boleti: London district; Norfolk; Suffolk; Bristol; 6-8.

2844 luripes Kirby. — Ste. M. v. 136. — Black; obscure, smooth, with a short pubescence; head somewhat 3-angular; thorax with a faint dorsal channel; elytra rather wider, flat; abdomen with the tip acute; legs livid, thighs dusky; antennae longish, terminal joint acute. (L. 1½ l.) Boleti: Hertford and Suffolk: 6.

2845 similis Kirby. — Ste. M. v. 136. — Black, somewhat shining and slightly pilose; head rather triangular; thorax a little transverse, with a very obscure dorsal channel; legs, palpi, and 2 basal joints of the antennae red, rest of the antennae dusky-black. (L. 1 l.) Boleti: London district; Suffolk; Norfolk: 6.

2846 obscurata Kirby. — Ste. M. v. 137. — Black; with a slight obscure silken pile; head somewhat orbiculate; thorax broader, slightly transverse; elytra rather wider, fuscous, with a glossy pile; abdomen with the apex acute and reddish; legs red; antennae with the terminal joint ovate-acute. (L. 1½ l.) Boleti: London district; Norfolk; Suffolk: 6.

2847 fulvipes Kirby. — Ste. M. v. 137. — Black, rather shining, and glabrous; smooth; head rounded; thorax wider, with an obscure dorsal channel; elytra pitchy, slightly pubescent; abdomen with the edges of some of the terminal segments pitchy; legs testaceous; antennae red, nearly filiform. (L. 1 l.) Decaying vegetables, &c.: London district; Suffolk: 1-6.

2848 pyrrhosa Kirby. — Ste. M. v. 137. — Black; rather shining and glabrous; smooth; head somewhat 3-angular; elytra a little obscure; abdomen with the apex obtuse; legs and antennae dull red, the latter slightly thickened at the tip, terminal joint acute. (L. 1 l.) Boleti: London district; Suffolk: 4-6.

2849 Agarici Kirby. — Ste. M. v. 138. — Black, slightly shining, glabrous, smooth, head somewhat 3-angular; thorax impunctate; elytra obscure, with a short pubescence; legs and antennae red, terminal joint of the latter obtuse. (L. 1 l.) Boleti: London district; Suffolk: 6.

2850 atricolliis Ste. M. v. 138. — Pitchy-brown, rather shining and pubescent; head small; thorax black; abdomen very glossy; legs and antennae testaceous; terminal joint of the latter obtuse. (L. 3½ l.) Boleti: London district: 6.

2851 brunnieps Ste. M. v. 138. — Pitchy-black; slightly shining and pubescent; head brown; elytra pitchy; abdomen shining; legs and antennae
testaceous; the latter nearly filiform, with the terminal joint acute.  (L. 3/4 l.) Boleti: London district: 6.

2852 microcephala Ste. M. v. 138. — Pitchy-black; slightly shining and pubescent; head smooth, black; thorax faintly narrowed behind, with an obscure dorsal channel; elytra wider, pitely, with the hinder margin obscurely waved; abdomen glossy; legs testaceous red; antennae long, pitchy, with the base pale.  (L. 1 3/4 l.) Boleti: London district: 6.

2853 nigritula Grav. Mi. 85. — Ste. M. v. 142. — Black, slightly pubescent, smooth and shining; head rounded; thorax wider, with an obscure dorsal channel; elytra dull spotless yellow; legs ochreous; antennae testaceous.  (L. 1 l.) Boleti: London district; Suffolk: 6.

2854 pyrrhoceras Kirby. — Ste. M. v. 142. — Black; smooth; slightly pubescent: head rounded; thorax narrowed in front; elytra pale red, flatish; legs ochreous; antennae red, terminal joint rounded, tip compressed.  (L. 1 l.) Boleti: Suffolk: 6.

2855 liturata Kirby. — Ste. M. v. 142. — Black; rather shining; thickly and finely punctured; glabrous; head orbiculate, with a fureau behind; elytra with an oblique ochreous streak from the shoulder to the inner apex; abdomen dull red, with a black ring towards the apex; legs ochreous; antennae testaceous.  (L. 1 l.) Boleti: London district: 6.

2856 glauca Ste. M. v. 145. — Black; slightly shining; obscurely pubescent; head somewhat orbiculate; thorax with a very faint basal fovea; elytra convex, glaucous; abdomen with the apex pitchy-red; legs red; antennae with the tip acute.  (L. 1 l.) Boleti: London district: 6.

2857 parvula Kirby. — Ste. M. v. 143. — Deep black; slightly pubescent; and rather glossy; finely punctured; thorax with an obsolete dorsal fureau; elytra 4-drate, very thickly punctured; abdomen glossy; legs dull red; thighs dusky; antennae with terminal joint ovate-acute.  (L. 3 l.) Boleti; London district; Norfolk; Suffolk; Devonshire: 4-6.

2858 fuscicornis Ste. M. v. 145. — Black, slightly shining, and pubescent; head somewhat orbiculate; thorax with a small basal fovea; elytra wider than thorax, convex, pitchy-red; abdomen with the tip slightly pitchy; legs red; antennae fuscous-red, short, apex obtuse.  (L. 1 3/4 l.) Boleti: London district: 6.

2859 punctulata Kirby. — Ste. M. v. 144. — Black, clothed with a long villose pile; very thickly and minutely punctured; head somewhat orbiculate; elytra convex, red, with the legs dull red; antennae pitchy-red, 2 basal joints testaceous; base of palpi pale.  (L. 1 3/4 l.) Boleti: London district; Suffolk: 6.

2860 flavicollis Ste. M. v. 144. — Pitchy-red, slightly pubescent: thorax wider than the head, convex, reddish-yellow; elytra black; abdomen with a black belt towards the apex; legs red; antennae short, stout, tip obtuse.  (L. 1 l.) Boleti: Godstone, Surrey: 6.

2861 opaca Ste. M. v. 144. — Deep black, opaque, slightly pubescent; head large, rounded; thorax rather wider, and a little narrowed behind; elytra dull spotless black; legs red; antennae pitchy; apex obtuse.  (L. 1 1/4 l.) Boleti: London district: 6.

2862 fusca Marsh. i. 514. — Ste. M. v. 142. — Brown-black, slightly pubescent; head somewhat orbiculate; thorax rounded; elytra fuscous; tip of abdomen conic, fuscous; legs testaceous, hinder pair darker; antennae fuscous, terminal joint very large, ovate; palpi red.  (L. 1 1/4 l.) Boleti: London district: 6.

2863 castanipes Kirby. — Ste. M. v. 143. — Black, rather shining, glabrous; head somewhat rounded; thorax widest behind; elytra slightly pubescent and margined; abdomen with its apex acute; legs dull red;
antennae with the tip thickened, the apical joint turbinate. (L. 1½ l.)
2864 pilosula Kirby. — Ste. M. v. 144. — Deep black, shining, con-
spicuously pilose; head 3-angular-orbiculate; thorax with the angles
somewhat rounded; legs dull red; antennae longish, the terminal joint
suddenly enlarged, ovate-acute. (L. 1⅔ l.) Dung, &c.: London district;
Holme, Norfolk: 8.

595 Oligota Mannerheim.
2865 pusillima Grav. Mo. 175. — Ste. M. v. 431. — Somewhat linear;
black; shining; elytra dull pitchy; tip of abdomen reddish; legs and
antennae dull red; club of the latter 4-jointed, abrupt, and black (L. ½ l.)
Ripley; South Lambeth; New Forest: 5-6.
atomaria Erich. K. i. 363.? — Somewhat linear; black, slightly shining;
legs and antennae pitchy-brown, the club of the latter 3-jointed and abrupt.
(L. ½ l.) London district; Norfolk and Suffolk: 1-6.
2867 Pusio Kirby. — Ste. M. v. 146. — Somewhat linear; black; shining;
thorax very short; legs and base of antennae reddish, club moderately
thickened, 4-jointed and black. (L. ¾ l.) Moss; Ripley: 1-4. Stanhoe,
near Fakenham, Norfolk: 1.
2868 casei Kirby. — Al. pumila? Ste. M. v. 146. — Ol. granaria Erich. K.
i. 364.? — Ovate; deep black; shining; mouth, legs, and antennae dull
red, the club of the latter 4-jointed, moderately thickened, and dull dusky-
red. (L. ¾-½ l.) Moss: London district: 5-6.
— Dusky black, shining; elytra, tip of abdomen, and legs dull red-brown;
antennae dull reddish, slightly clavate, the club 4-jointed dusky. (L. ¾ l.)
2870 minutissima Kirby. — Ste. M. v. 146. — Pitchy-black, shining; legs
dull red; antennae black, slightly clavate, club 3-jointed. (L. ½ l.) Moss:
Ripley and Suffolk: 6.

596 Gyroph^ena Mannerheim.
— Black; shining; thorax sparingly punctured, the base broadly mar-
gined, and with 2 larger punctures; disc of elytra, legs, and base of an-
tenna testaceous-red. (L. 1 l.) Boleti: London district: 5-6.
2872 nana Ph. F. iii. 408. — Ste. M. v. 152. — Pitchy-black, shining;
margin of thorax, legs, antennae, elytra, base and apex of abdomen, pale
testaceous; outer angles of elytra fuscous; thorax sparingly punctured,
the base with a larger puncture on each side; disc of elytra thickly rugose-
punctate. (L. ⅔-1 l.)
Var. St. faciatus Marsh. i. 514. — Ste. M. v. 151. — Head black; apex
of elytra and a belt on the abdomen blackish. Boleti: London district;
Norfolk; Suffolk; Devon: 6-8.
2873 affinis Manner. Pr. 74. — Gy. nana B. — Ste. M. v. 152. — Testa-
ceous; head and belt on the abdomen pitchy; thorax margined, punctu-
ated; elytra sparingly punctured, the outer apex fuscous; legs pale.
(L. 1 l.) On agarics, &c.: London district: 6-8.
2874 pallicornis Ste. M. v. 152. — Gy. congrua Erich. K. i. 368.? — Tes-
taceous; head black; thorax dusky, punctured; abdomen with a black
ring; elytra finely punctulated; legs and antennae pale. (L. ⅔ l.) Bo-
2875 polita Grav. Mi. 99. — Ste. M. v. 132. — Black, very smooth;
shining; mouth, antennae, and legs pale; elytra pitchy, very obscurely punctured; thorax margined, the disc with 2 very obscure rows of punctures; tip of abdomen pitchy. (L. 3 l.) Boleti: London district; Hull; S. Wales: 6.

2876 marginata Ste. M. v. 153. — Pitchy-red; rather obscure; elytra paler, with the outer hinder angles dusky; legs and antennae pale; abdomen broad, black, strongly margined. (L. 1 l.) Boleti: London district: 6.


597 Encephalus Kirby.

2878 complicans Kirby. — Ste. M. v. 164. pl. xxvi. f. 4. — Black; shining; very glabrous; thorax with the base finely margined, very smooth; disc of elytra, legs, and antenna dull chestnut or reddish; abdomen broad, very obtuse. (L. 2 l.) Moss: Ripley, 1-; Great Blakenham, Suffolk; Marton Lodge, Yorkshire: 10-1.

598 Aleochara of Authors.

2879 fuscipes Ph. F. iii. 397. — Ste. M. v. 160. — Shuck. B. C. pl. 23. f. 4. — Black, shining; antennae short, thickened in the middle; the base, legs, and elytra red, the sides of the latter black; abdomen above sparingly and deeply punctate: — thighs sometimes dusky. (L. 2 l.) In dung, carcases, &c.: generally distributed:痣.

2880 tristis Grav. Mo. 170. — Ste. M. v. 433. — Black, rather shining; very thickly punctured; elytra with a pale testaceous spot at the apex; thorax flatish; abdomen parallel, very closely punctured above; tarsi dull red; antennae short, thickened exteriorly. (L. 2 l.) Dung: London district: 4-6.

2881 bimaculata Kirby. — Ste. M. v. 158. — Broad; black; rather shining; slightly pubescent; finely punctured; thorax somewhat convex; elytra with a triangular red spot at the apex near the suture; abdomen broad, apex obtuse; legs wholly black; antennae slightly thickened exteriorly. (L. 2 l.) In dung: London district; Suffolk; S. Wales: 4-6.

2882 brevipennis Grav. Mi. 169. — Ste. M. v. 433. — Black; shining; elytra short, somewhat opaque, thickly punctured, reddish, immaculate; abdomen sparingly punctured above; legs and base of antennae testaceous; thighs obscure. (L. 1 2 l.) Dung: London district: 4-6.

2883 fumata Grav. Mi. 96. — Ste. M. v. 156. — Deep black; shining; slightly pubescent; elytra very short, thickly punctured, pitchy-brown or dusky; abdomen rather sparingly punctured, the apex pitchy; legs dull testaceous; antennae pitchy, base red. (L. 1 2 l.) Dung: London district; Suffolk: 4-6.

2884 villosa Kirby. — Ste. M. v. 156. — Black; somewhat villose; slightly shining; elytra dull or pitchy-red, with the outer apex slightly notched and mucronated; abdomen somewhat rounded; legs testaceous, thighs fuscescent; antennae pitchy-red, base paler. (L. 1 2 l.) Dung: London district; Suffolk: 4-6.

2885 rufipes Kirby. — Ste. M. v. 157. — Deep black, slightly shining; somewhat glabrous; smooth; elytra slightly pubescent, punctured, pitchy; abdomen linear; legs bright rusty-red; antennae black. (L. 1 l.) Dung: London district: 4-6.

2886 bipunctata Grav. Mi. 93. — Ste. M. v. 158. — Black; rather glossy; slightly pubescent; thorax convex, thickly punctured; elytra roughly
punctured, with a large obscure red spot at the apex; abdomen somewhat conic, thickly punctured above; legs testaceous; antennae pubescent. (L. 1\textsuperscript{3}/\textsubscript{4}-2 1.) Dung: London district; Norfolk; Suffolk; Bristol; S. Wales: 4-6.

2887 terminata Kirby. — Ste. M. v. 158. — Broad; black; rather shining, slightly pubescent; thorax rather convex; elytra short, the tip dull red; abdomen broad, its apex obtuse; legs pitchy, anterior palest; antennæ shortish, slightly villose. (L. 2\textsuperscript{3}/\textsubscript{4} l.) Dung: London district; Bristol; Suffolk: 4-6.

2888 lanuginosa Grav. Mi. 94. — Ste. M. v. 157. — Black; shining; clothed with a short erect pubescence; thorax finely punctured; elytra rather coarsely punctured, the apex red; abdomen linear, sparingly punctured above; legs black, tarsi red; antennæ deep pitchy-black. (L. 2 1.) Dung: Battersea fields; Suffolk; Norfolk; S. Wales; &c.: 4-6.

2889 nitida Grav. Mi. 97. — Ste. M. v. 159. — Rather narrow; black; shining; slightly pubescent; thorax with scattered punctures on the sides, and a double row on the disc, the latter smooth; elytra deeply punctured, with a rounded obscure red spot at the apex; abdomen slightly punctured above, the tip obtuse; legs pitchy-black, knees paler. (L. 1\textsuperscript{3}/\textsubscript{4}). Var. Al. bilineata Gyll. ii. 436. — Ste. M. v. 154. — Elytra immaculate; legs rusty-piceous.


Var. ? Al. agilis Kirby. — Ste. M. v. 154. — Elytra with a brassy tinge, spotless; legs black; tarsi red. Dung, &c.: London district; Norfolk; Suffolk; Devon; S. Wales: 4-6.

2890 moesta Grav. Mi. 96.? — Al. coneolor Kirby. — Ste. M. v. 153. — Black, pubescent; rather broad and shining; elytra very short, black, spotless, with an ashy-brown pubescence, punctured; abdomen broad, shining, sparingly punctured; legs and base of antennæ pitchy. (L. 1\textsuperscript{3}/\textsubscript{4}-2\textsuperscript{3}/\textsubscript{4} l.) Dung, &c.: London and Edinburgh districts; Suffolk; Swansea: 4-6.

2891 nigrina Kirby. — Ste. M. v. 154. — Rather narrow; black; shining; smooth; pubescent; elytra dusky-black, spotless, pubescent, and punctured; abdomen linear, apex obtuse; legs pitchy; antennæ pitchy-black. (L. 1\textsuperscript{3}/\textsubscript{4} l.) Dung: London district; Suffolk: 4-6.

2892 sericea Leach. — Ste. M. v. 155. — Black; shining; pubescent; thickly and deeply punctured; especially the elytra, which are clothed with a dense ashy pubescence; legs black; knees and tarsi reddish; antennæ dull black. (L. 1\textsuperscript{3}/\textsubscript{4} l.) Dung: London district; Devon: 4-6.

2893 puncticollis Kirby. — Ste. M. v. 156. — Black; shining; slightly pubescent; thorax very thickly and rather coarsely punctured; elytra deeply punctured, spotless, pitchy; abdomen with the tip obtuse; legs red; antennæ pitchy, base red. (L. 1\textsuperscript{3}/\textsubscript{4} l.) Dung: London district; Suffolk: 4-6.

2894 pulla Gyll. iv. 494. — Ste. M. v. 433. — Black; rather shining; very thickly punctured, clothed with a dense pale pubescence; elytra brown; legs and palpi testaceous; antennæ black, base and apex red. (L. 1\textsuperscript{4}-1\textsuperscript{1}/\textsubscript{2} l.) Dung: London district: 4-6.

2895 fulvicornis Kirby. — Ste. M. v. 157. — Black; slightly shining and pubescent; elytra shortish, somewhat villose, punctured, pitchy-red, dusky at the base; abdomen with the tip red; legs and antennæ red; mouth and palpi the same. (L. 1\textsuperscript{1}/\textsubscript{2} l.) Dung: London district; Suffolk: 4-6.
2896 erythroceras Kirby. — Ste. M. v. 157. — Black; shining; slightly pubescent; elytra rather convex, punctured, dull pitchy-red, the suture broadly bright red; abdomen with the edges of the segments and its tip red; legs and antennae also red. (L. 1 in.) Dung: London district: 4-6.

2897 velox Kirby. — Ste. M. v. 159. — Black; shining; punctulate; glabrous; head with the disc smooth; thorax with the disc longitudinally smooth, with a punctured stria on each side; elytra red, base and outer margins dusky; legs black; tarsi reddish. (L. 1\frac{2}{3} in.) Dung: London district; Hunstanton, Norfolk; S. Wales: 4-6.

2898 Cursor Kirby. — Ste. M. v. 159. — Black, shining; slightly pubescent, faintly punctured; elytra more coarsely punctured, the inner angles of the apex broadly red; abdomen with its tip rather acute; legs entirely black. (L. 1\frac{2}{3}-1\frac{3}{4} in.) Dung: London district; Norfolk; Suffolk; Devon; S. Wales: 4-6.

2899 dorsalis Ste. M. v. 160. — Shining black; slightly punctured; pubescent; disc of thorax smooth; elytra coarsely punctured, pitchy, with the inner angle dull red; abdomen broadish, acute at tip; legs dull pitchy-red; antennae pitchy. (L. 1\frac{1}{4} in.) Dung: London district: 4-6.

2900 Cursitor Kirby. — Ste. M. v. 155. — Black; shining; pubescent; thorax somewhat orbiculate, punctate; elytra coarsely punctate; legs reddish; thighs pitchy, anterior ones palest; antennae with the 3 basal joints red. (L. 1\frac{1}{2} in.) Dung: London district; Devonshire; Suffolk: 4-6.

2901 Morion Grav. Mi. 97. — Ste. M. v. 155. — Broad; black; slightly shining, and pubescent; thorax with a very obscure basal impression; elytra with a dull pile, punctulate; abdomen slightly narrowed towards the apex; legs rusty- or pitchy-red. (L. \frac{3}{4}-1\frac{1}{2} in.) Fungi: London district; Norfolk; Suffolk; Devon; S. Wales: 4-6.

2902 exigua Mann. Pr. 68. — Ste. M. v. 433. — Black; opaque; slightly pubescent; very thickly punctured; elytra rather coarsely punctured; legs dull red; antennae rather longer than the head and thorax. (L. \frac{3}{4} in.) Dung: London district: 4-6.

2903 sanguinea Kirby. — Ste. M. v. 160. — Black; shining; smooth; elytra dull blood-red, punctured; abdomen stoutish, recurred, very convex beneath; legs bright red; antennae black, or pitchy, the base red. (L. 1\frac{1}{2} in.) Dung: London district; Suffolk: 4-6.

2904 ruhipennis Kirby. — Ste. M. v. 161. — Pitchy-black; slightly shining; pubescent; faintly punctured; elytra red, strongly punctured; abdomen linear, terminal segment conic, apex truncate; legs red, hinder thighs brownish; antennae pitchy, base and apex red. (L. 1 in.) Dung: London district; Suffolk: 4-6.

2905 celer Kirby. — Ste. M. v. 161. — Black, rather shining; slightly pubescent; elytra pitchy-black, with a recurred testaceous-yellow streak, united to an obscure red patch at the tip; abdomen somewhat conic, with the edges of the segments and the extreme tip reddish; legs livid-testaceous; antennae pitchy-black. (L. \frac{3}{4}-1 in.) Dung: London district; Suffolk: 4-6.

599 Ceranota Stephens.

2906 Daltoni Kirby. — Ste. M. v. 161. — Rather dilated; dull red, or chestnut, slightly shining; legs paler; \( \mathcal{J} \) with a small tubercle on the back of the basal segments of the abdomen. (L. 2\frac{1}{2}-4 in.) Under moss: Charlton Wood; Devon; Yorkshire: 3-6.

600 OxyPodia Mannerheim.

2907 ruficornis Grav. Mi. 91.? — Al. ruficornis Ste. M. v. 150. — Brown-
black, with a silken pile, delicately punctured; thorax rather convex, sides and base testaceous, the latter with an obscure fovea; elytra testaceous, dusky towards the scutellum, and on the sides; abdomen with the margins of the segments and the apex testaceous; legs testaceous; antennae red, tip sometimes fuscous. (L. 2-3 l.) Boleti; rare: Norfolk; London district and Scotland: 4-6.

2908 lata Ste. M. v. 150. — Dusky-black; slightly pubescent; obscure; broad; head small, black; thorax convex, with a deepish basal fovea; elytra dull testaceous-red; suture dusky; abdomen strongly margined, black, with the edges of all the segments red; legs testaceous-red; antennae black, longish. (L. 1 1/2 l.) Boleti: London district; Suffolk; Devon: 6.

2909 Sheppardi Kirby. — Ste. M. v. 148. — Black, slightly pubescent, minutely punctured; elytra rather wider than the thorax, pitchy; with an oblique red dash from the shoulder to the suture; abdomen with the base and apex pitchy-pitchy; legs dull red; antennae pitchy-black, base slender and red; palpi red. (L. 1 1/2 l.) Boleti: Ipswich: 6.

2910 nigrofusca Kirby. — Ste. M. v. 150. — Dusky-black, shining, with a short dull silken pile: head black; thorax with a faint dorsal channel; elytra somewhat 4-drate, fuscous, flattish towards the base of the suture; abdomen linear, black, base and apex pitchy; legs dull red; antennae stout, fuscous. (L. 1 1/3 l.) Boleti, &c.: London district; Barham: 1-6.

2911 lividipennis Mann. Pr. 70. — Ste. M. v. 432. — Shuck, B. C. pl. 23. f. 5. — Fuscous, with a silken pile; thorax with a faint basal fovea; elytra 4-drate, testaceous, dusky towards the scutellum; abdomen with its apex and the edges of the segments testaceous; legs and base of antennae dull testaceous. (L. 2 l.) Boleti: London district.

2912 livida Kirby. — Ste. M. v. 147. — Black, rather obscure; head with a frontal fovea; thorax flattish, with a dorsal channel; elytra flat, livid, abdomen pitchy-black, the apex reddish; legs and palpi testaceous; antennae pitchy, testaceous at the base; mouth pitchy. (L. 1 1/2 l.) Boleti: Hertford; Bantham, Devon: 6.

2913 curvipes Kirby. — Ste. M. v. 147. — Black, with an obscure ashy pile, slightly shining; elytra livid, sides, suture, and base black; legs pale testaceous; thighs brownish, bent and depressed; antennae pitchy-black. (L. 1 1/3 l.) Boleti: London district; Norfolk; Suffolk: 6.

2914 umbrata Grav. Mi. 90,? — Ste. M. v. 148. — Dusky; obscure; with a dull dusky-brown pubescence; thorax narrowed in front, with a very obscure dorsal line; elytra pitchy-brown; legs and base of antennae testaceous; terminal joint of the latter elongate, acute. (L. 1 1/2 l.) Boleti: London district; Norfolk; Suffolk; Devon: 4-6.

2915 emarginata Kirby. — Ste. M. v. 148. — Pitchy-black, obscure, slightly pubescent; thorax with a moderate basal fovea; elytra dark pitchy, the outer angle with a deep notch; legs dull pitchy-testaceous; tibiae paler and brighter; antennae piceous, terminal joint elongate, acute. (L. 1 1/2 l.) Boleti: London district; Bristol; Norfolk; Scotland: 6.

2916 longiuscula Grav. Mi. 80. — Al. longiuscula? Ste. M. v. 118. — Elongate; black; somewhat glossy; with a delicate silken pile; thorax slightly convex, with a fovea at the base; elytra linear; legs and base of antennae testaceous-red. (L. 1 1/2 l.) Boleti: London district: 6.

2917 breviceornis Kirby. — Ste. M. v. 149. — Black, rather obscure, slightly sericeous; minutely punctured; elytra fuscous; abdomen somewhat conic, its apex fuscous; legs pale testaceous; antennae somewhat clavate, basal joint reddish; palpi red. (L. 1 1/2 l.) Boleti: London district: 6.

2918 melanoccephala Kirby. — Ste. M. v. 149. — Pitchy-brown, with a short obscure pile, finely punctured; head somewhat orbicular, blackish:
thorax with a faint basal channel; elytra pitchy-red; abdomen acute, shining, the base pitchy-red, the apex yellowish; legs dull red; antennae pitchy-red, base and apex ochreous. (L. 1\frac{1}{2} l.) Boleti of the fir: Hertford; Suffolk: 4-6.

2919 sordida Kirby. — Ste. M. v. 147. — Black; rather shining and pubescent; thorax rounded behind and dilated; elytra ochreous, the base dusky within; abdomen rather acute, the apex reddish; legs ochreous or pitchy; antennae stoutish, slender at the base. (L. 1\frac{1}{2} l.) Boleti: London district; Norfolk; Suffolk; Bristol; S. Wales: 4-6.

2920 alternans Grav. Mi. 85. — Ste. M. v. 432. — Al. concinna Leach. — Ste. M. v. 141. — Elongate; testaceous-red, shining; slightly pubescent, very thickly punctulate; head black; outer angle of the elytra, breast, and belt towards the apex of the abdomen pitchy-brown; antennae black, with the base pale testaceous. (L. 1\frac{1}{2} l.) Boleti: Hertford: 6.

2921 acuminata Ste. M. v. 151. — Blackish; opaque, slightly pubescent; head dusky-black, small; thorax with a slight basal fovea; elytra dull pitchy; abdomen very acute, the tip, and occasionally the edges of the segments, reddish; legs dull red; antennae pitchy, the base dull red. (L. 1\frac{1}{4} l.) Boleti: London district; Bristol: 6-8.

2922 brachyptera Kirby. — Ste. M. v. 128. — Dull red; head black; thorax finely punctate, with an obsolete dorsal furrow; elytra finely punctured, black, with an ash down, very short; abdomen with the 3d, 4th, and 5th segments black; antennae red, glabrous. (L. 3\frac{1}{2} l.) Boleti: London district; Suffolk: 4-6.

601 Placusa Erichson.

2923 † pumilio Gyll. ii. 411. — Pitchy-black; opaque; very thickly punctured; flat; thorax very short, sinuated behind; mouth and legs testaceous; elytra and antennae pitchy. (L. 1\frac{1}{2} l.) Moss: London district?

602 Atemeles Dillwyn.

2924 paradoxus Grav. Mo. 180. — Lo. acuminatus Kirby. — Ste. M. v. 108. — Shuck. B. C. pl. 22. f. 8. — Brown, obscure; glabrous; head black, smooth; thorax with the sides somewhat reflected, hinder angles acuminated, disc with an obscure furrow; elytra dull red, with a golden pile, the outer angle rather mucronate; abdomen broad, the penultimate segment notched, and with a spine on each side; legs and antennae dull red. (L. 1\frac{1}{4} l.) In nests of Formica rufa: Hampstead Heath; Wimbledon Common; New Forest; Hastings; Martlesham Heath; Swansea: 5-7.

2925 † strumosus Fab. E. i. 597. — Ste. M. v. 108. — Brown, smooth; thorax with the sides reflexed, the hinder angles rounded; elytra red, the tip very obscurely notched, the outer angle gibbous; legs red; antennae dull red, longish. (L. 2\frac{1}{2} l.) On Hampstead Heath, and near Cheltenham: 6.

(603 Lomechusa Gravenhorst.)

(2926 † emarginata Fab. E. ii. 600. — Oliv. E. iii. 42. pl. 2. f. 12. — Ste. M. v. 109. — Brown, rather opaque and villose; head rough behind; crown with a ridge; thorax with the sides slightly reflexed and a little acuminated; disc with an obscure furrow; elytra reddish-brown, notched at the tip, and the outer angle mucronate; legs and antennae reddish. (L. 1\frac{1}{2} l.) Not truly indigenous.)

604 Dinarda Leach.

channel, the sides rather elevated, and reddish-brown; elytra slightly pubescent, dull chestnut-brown; legs, mouth, and palpi red-brown; antennæ fuscous, basal and terminal joints dull red. (L. 1 3\(^1\)\% l.) Sandy places, in ants' nests: Swansea: 6.

605 Diggossa Holiday.

2928\(\dagger\) mersa Ent. M. (Hal.) iv. 253. f. a-h. — Dull black, slightly pubescent; minutely punctured; legs and palpi dusky-red; antennæ fuscous. (L. 1 l.) Sandy coasts: Port Rain sands, Dublin: 10-5.

606 Silusa Erichson.

2929 rubiginosa Erich. K. i. 378. — Black; antennæ, legs, and elytra dull red; the space round the scutellum, and the outer apex of the elytra fuscous; thorax transverse, with a faint impression in the middle of the base: edges of the 4 basal and of the apical segments of the abdomen dull red. (L. 2 4\(^1\) l.) London district: 4.

607 Gymnusa Karsten.

(2930\(\dagger\) brevicollis Ph. F. iii. 398. — M. carnivora Grav. Mo. 171. — Ste. M. v. 433. — Black, shining; thickly punctured; elytra opaque, finely punctured; legs pitchy-red; tarsi and basal joint of antennæ testaceous. (L. 2 1\(^1\) l.) Improperly recorded as British.)

608 Myllæna Erichson.

2931 dubia Grav. Mo. 173. — Ste. M. v. 430. — Shuck. B. C. pl. 22. f. 5. — Black, opaque, with an ashy silken pubescence; mouth, base of the antennæ, legs, and tip of the abdomen, dull red; thorax convex, hinder angles prominent. (L. 1 3\(^1\) l.) Bristol?

2932 minuta Grav. Mo. 174. — Black; opaque; with an ashy silken pubescence; labrum testaceous; head and legs fuscous; tarsi testaceous; thorax moderately convex, a little narrowed in front, hinder angles obtuse. (L. 3 4 l.) Under stones: London district; in Battersea fields; Norfolk; Weston: 5-6.

609 Deinopsis Matthews.

2933 ecorus Kirby. — Ste. M. v. 149. — De. fuscatus Ent. M. (Matt.) v. 194. 193. f. 2. — Deep black; thickly clothed with a short silken pile; head broad; thorax with anterior angles rounded, hinder acute; elytra with the hinder margin obliquely truncate towards the suture; abdomen obtuse, all the segments, except the last, margined, the hinder angles produced; knees and tarsi testaceous. (L. 2 l.) Under stones: London district; in Battersea fields; Norfolk; Weston: 5-6.

610 CentroGLOSSA Matthews.

2934 conuroides Ent. M. (Matt.) v. 195. 194. f. 1. — Broadish; black; with a silken pile; thorax narrowed in front, hinder angles acute, wider than abdomen; elytra with a deep notch at the outer hinder angles; abdomen 3 times as long as the elytra, much attenuated, the apical half of the two last segments fuscous; legs pitchy; basal joint of antennæ and mouth testaceous. (L. 1 3\(^1\) l.) Dead leaves: Weston; New Forest: 1-6.

2935 attenuata Ent. M. (Matt.) v. 195. — Black; thorax not narrowed in front, the outer angles rather acute; elytra slightly notched on the hinder angles; abdomen suddenly attenuated towards the apex, the whole of the apical, and hinder half of the penult. segments testaceous-red; legs fuscous; antennæ slender, long. (L. 1 3\(^1\) l.) Vegetable refuse: Weston: 4-6.
2936 minuta Ent. M. (Matt.) v. 196. — Black; thorax short, convex; elytra longer than thorax; abdomen broad, stout, deeply margined; the last segment fuscous; legs pitchy; basal joint of antennae and mouth testaceous. (L. \(1^{\frac{1}{2}}\) l.) Vegetable refuse: Weston: 2-3.

2937 elongata Ent. M. (Matt.) v. 196. — Narrow, elongate; brown-black, with a griseous pile; thorax somewhat 4-drate, margins pale fuscous; elytra palest behind, the hinder angles very deeply notched; abdomen strongly margined and scarcely attenuated; legs long, pitchy-red; antennae fuscous, basal and 3 apical joints, and the mouth, testaceous. (L. \(1^{\frac{1}{2}}\) l.) Vegetable refuse: Weston: 6-7.

2938 brevicornis Ent. M. (Matt.) v. 196. — Elongate; red; head darker than the thorax; elytra short, obliquely truncate towards the suture; abdomen very little attenuated, apex obtuse, dusky, hinder edge of each segment lighter; legs and palpi pale; antennae short, dusky, basal and apical joint testaceous. (L. \(1^{\frac{1}{2}}\) l.) Vegetable refuse: Weston: 6-7.

2939 gracilis Ent. M. (Matt.) v. 197. — Elongate; black, with a griseous pile; thorax 4-drate; elytra very obliquely truncate towards the suture; abdomen strongly margined and slightly attenuated; the hinder portion of the 2 apical segments fuscous; legs and palpi brown-black, joints lighter; antennae very short, articulations equal, black. (L. \(1^{\frac{1}{2}}\) l.) Moss: Weston: 2-3.

611 Tachyporus Gravehorst.

§ A. Body generally slender, and elongated.

2940 testaceus Fab. E. ii. 607. — Ste. M. v. 177. — Linear; testaceous; very glossy and smooth; glabrous; eyes black; abdomen dusky, or dull testaceous-red; legs pale; antennae yellowish, slightly thickened at the apex. (L. \(1^{\frac{1}{2}}\)-\(1^{\frac{3}{4}}\) l.)

Var. Ta. flavicornis Kirby. — Ste. M. v. 177. — Larger, flatter, and more glossy; colours brighter; antennae tawny.


2941 diffinis Kirby. — Ste. M. v. 177. — Short; testaceous, obscure, smooth; elytra flat; thorax slightly widened behind; abdomen brownish, the tip scarcely pisele; legs and base of antennae pale, tip slightly thickened. (L. \(\frac{3}{4}\) l.) Moss, &c.: London district; Suffolk; Devon: 10-4.

2942 flavescens Kirby. — Ste. M. v. 178. — Testaceous; very glossy, smooth, and glabrous; eyes black; abdomen red, or fuscoeant; the tip black; legs and antennae pale, tip of the latter dusky or testaceous; — head occasionally pitchy. (L. \(1^{\frac{4}{4}}\) l.) Moss, &c.: Norfolk; Suffolk; Yorkshire: 4-6.

2943 livens Kirby. — Ste. M. v. 178. — Black; shining; smooth; glabrous; thorax pitchy, lateral and hinder margins livid; elytra and legs livid; antennae black, base pale, tip thickened. (L. \(1^{\frac{1}{2}}\) l.) Moss, &c.: London district; Suffolk; Norfolk: 4-6.

2944 angustatus Kirby. — Ste. M. v. 178. — Slender; black, extremely glossy and smooth; thorax fuscoseant, base and sides livid; elytra convex, dusky-red; antennae slender, fuscoseant, base red. (L. \(1^{\frac{1}{2}}\) l.) Moss, &c.: London district; Norfolk; Raehills: 10-6.

2945 minimus Leach. — Ste. M. v. 178. — Pitchy-black; very glossy and smooth; head wide, black; thorax pitchy-red, the lateral margins and the elytra red; the latter spotless; abdomen black, apex pitchy; legs red; antennae pitchy. (L. \(\frac{3}{4}\) l.) Moss: London district; Devon: 10-5.

2946 basalis Ste. M. v. 179. — Slender; testaceous-red; shining; smooth;
head black; thorax spotless; elytra longish, base dusky; abdomen dusky testaceous-red, apex brighter; legs and antennae pale testaceous, tip of latter pitchy. (L. 1/2 l.) Moss: London district: 10-4.

2947 gracilis Ste. M. v. 179. — Slender; very glossy and smooth; pitchy; head smooth; thorax pitchy-red, sides and base red; elytra bright red, spotless; abdomen dusky-piceous, margins of the segments, and the apex, slightly paler; legs and antennae pale testaceous, apex of the latter darkest and slightly thickened. (L. 11/2 l.) Moss: London district; Norfolk; Suffolk; Bristol: 10-4.

2948 Leach. — Ste. M. v. 179. — Short; pitchy, shining, very glossy and smooth; head widish; thorax with the margins broadly testaceous; elytra livid, spotless; abdomen very obtuse at the apex, dusky-piceous; legs and antennae testaceous, the latter darkest, and a little thickened at the tip. (L. 1 l.) Moss, &c.: Battersea fields; Norfolk; Devon: 1-4.

2949 thoraceus Ste. M. v. 180. — Rather broad; pitchy-red; slightly shining; very smooth; head dusky or blackish; thorax dull pitchy-red, sides dilated, concolorous; elytra longish, pitchy, with the apex rather paler; abdomen dusky piceous, apex pale testaceous; legs and antennae red. (L. 11/2 l.) Var. Ta. brunneus Ste. M. v. 179. — Rather smaller and more slender; of a darker hue; elytra livid brown. Moss, &c.: London district; Devon: 10-4.

2950 pyrrohoeas Kirby. — Ste. M. v. 180. — Dusky-black, very glossy, smooth, and glabrous; thorax pitchy, lateral margins, especially behind, paler; elytra and legs red; antennae dull red, base pale. (L. 11/2 l.) Moss: London district; and generally distributed: 10-6.

2951 ruficollis Grav. Mi. 128. — Ste. M. v. 180. — Black, very glossy; smooth; glabrous; thorax tawny-red; elytra pitchy, tip pale; legs yellowish; antennae somewhat filiform, black, the base red. (L. 11/2 l.) Moss, &c.: London and Edinburgh districts: 11.

2952 nigripennis Ste. M. v. 180. — Broad; shining black; smooth; glabrous; thorax bright tawny-red; elytra pitchy-black, apex concolorous; abdomen pitchy-black, extreme edges of the segments reddish; legs ochreous; antennae pale red, the tip dusky. (L. 1 l.) Moss, &c.: London district: 10-4.

2953 pusillus Grav. Mo. 9. — Ste. M. v. 180. — Shining black, smooth; mouth brown; thorax with the lateral margins, especially towards the base, transparent testaceus; elytra 4-drake, fuscous; the lateral margins rather obscure or dusky; abdomen black; legs pitchy-testaceus; antennae fuscous, the 2 basal joints red. (L. 11/2 l.) Moss: London district; Norfolk; Suffolk: 10-4.

2954 atriceps Ste. M. v. 181. — Pitchy-black; shining; very smooth; head black, wider; thorax spotless tawny; elytra dull red, the tip clouded with brown, or dusky; legs and base of antennae testaceous, apex of the latter thickened and pitchy-black. (L. 11/2 l.) Moss: London district: 10-4.

2955 pyrrhopterus Kirby. — Ste. M. v. 181. — Shuck. B. C. pl. 21. f. 7. — Black; very smooth; shining; glabrous; head pitchy; thorax yellowish, its disc fuscous, or pitchy; elytra dull red, base within and lateral margin dusky; legs and base of antennae testaceous; tip of the latter slightly thickened and black. (L. 11/2 l.) Moss: London district; Suffolk: 10-5.

§ B. Body short and rather broad.

2956 chrysomelinus L. ii. 685. — Pz. F. ix. f. 14. — Ste. M. v. 181. — Black; shining; glabrous; very smooth; thorax pale testaceous, very
glossy, the sides pellucid; elytra testaceous-red, the base and lateral margins in front black; breast and legs pale testaceous; antennae dusky; base pale.  (L. 1½ l.)

Var. Ox. merdarius Pz. F. xxvii. f. 18. — Ste. M. v. 182. — Elytra testaceous, with the region of the scutellum dusky; antennae somewhat elevate, livid. Moss, &c. : London district; and generally distributed: (G). *

2957 marginellus Marsham. — Ste. M. v. 182. — Testaceous-red, highly polished and smooth; head black; thorax tawny, spotless; elytra with the lateral margins fuscous; legs and antennae pale testaceous, the base of the latter palest.  (L. 1½ l.) Moss, &c. : London district; Bristol; Cramond: 10-4.

2958 obtusus L. ii. 684. — Ste. M. v. 182. — Testaceous-red; very glossy and smooth; glabrous; eyes, base of the elytra, and breast behind, black; antennae dull red, base paler.  (L. 1½-1¾ l.)


Var.? St. melanurus Marsh. i. 525. — Ste. M. v. 183. — The 3 apical segments of the abdomen black. Moss, &c. : London district; generally distributed: (G). *

2959 collaris Ste. M. v. 183. — Broad; testaceous; shining, and very smooth; head and thorax pitchy, margins of the latter pale; elytra spotless; abdomen brownish, tip obtuse; legs and base of antennae pale; tip of the latter brownish.  (L. 1½ l.) Moss, &c. : London district; Rachills: 10-4.

2960 subtestaceus Ste. M. v. 183. — Pale testaceous, shining, smooth; glabrous; head reddish; eyes black; thorax broad, with a basal depression; elytra slightly fuscous on the suture; abdomen reddish, the terminal joint black; legs and antennae pale.  (L. 1½ l.) Moss, &c. : London district; Bristol; Norfolk; Rachills: 10-4.

2961 Hypnorum Fab. E. ii. 607. — Ste. M. v. 184. — Black, very smooth, glossy, glabrous; lateral margins of the thorax behind pale testaceous; elytra red, dusky towards the scutellum, and black at the base of the lateral margins; legs red; antennae testaceous.  (L. 1½-1¾ l.)


2962 nitidulus Marsh. i. 520. — Ste. M. v. 184. — Black; glossy; smooth; glabrous; abdomen with the lateral margins, especially behind, broadly rusty-testaceous; elytra dull red, outer margins black at the base; legs and base of antennae dull red.  (L. 1¾ l.) Moss, &c. : London district, and widely distributed: (G).

2963 nitidicollis Ste. M. v. 184. — Pitchy-black; shining; glabrous; smooth; thorax with the lateral margins, especially behind, broadly rusty-testaceous; elytra dull red, outer margins black at the base; legs and antennae dusky dull-red, base of the latter pale.  (L. 2 l.) Moss: London district: 10-4.

2964 erythrepterus Ste. M. v. 184. — Pitchy-black; shining; glabrous and smooth; head black; thorax with the lateral margins red; elytra ample, bright red; abdomen with the extreme tip black; legs and antennae dusky dull-red, apex of the latter black.  (L. 1½ l.) Moss: London district; Bristol; Norfolk: 10-4.

2965 lateralis Kirby. — Ste. M. v. 185. — Black; polished, smooth; thorax pitchy, sides dull reddish; elytra pitchy, slightly pubescent; abdomen
slightly pubescent; legs and base of antennae dull red, apex of the latter black. (L. 1½ l.) Moss: London district; Suffolk: 3-6.

2966 putridus Ste. M. v. 185. — Black, shining, very smooth; mouth pitchy; thorax wide, base and lateral margins behind broadly pale; elytra pitchy-red, with a blackish cloud near the scutellum; abdomen very acute, its segments edged with reddish; legs and base of antennae testaceous. (L. 1½ l.) Moss: London district: 10-4.

2967 abdominalis Fab. E. ii. 607.? — Ste. M. v. 185. — Red; shining; glabrous; eyes black; thorax broad, spotless; elytra convex, wide, clear red; abdomen short, dull fuscous; legs and base of antennae pale. (L. 1½ l.) Moss: London district; Norfolk; Suffolk; Penllergare: 10-4.

2968 apicalis Ste. M. v. 185. — Testaceous, shining; smooth; glabrous; head reddish; eyes black; thorax spotless, pale, with the margin paler; elytra and abdomen pale testaceous; legs pale; antennae reddish at the base, black at the tip. (L. 1½ l.) Moss: London district: 10-4.

2969 dimidiatus Fab. E. ii. 607. — Ste. M. v. 186. — Black; polished; smooth; glabrous; thorax short, hinder angles broadly red; elytra elongate testaceous, base slightly dusky within; abdomen with the edges of its segments reddish; legs testaceous; antennae black, base dull red. (L. 1½ l.) Moss: London district; Norfolk; Suffolk; Cramond: 10-4.

2970 macropterus Ste. M. v. 186. — Black; shining; smooth; glabrous; thorax with the hinder margin testaceous; elytra elongate, pitchy, the margins entirely red; abdomen black, strongly margined, slightly pilose; legs and base of antennae testaceous, tip of the latter dusky. (L. 1½ l.) Moss: London district: 10-4.

2971 † formosus Ent. M. (Matthews) v. 197. — Bright yellow; eyes black; base of elytra nearly black; abdomen black, edges of the segments broadly red, penult. segment wholly red, terminal entirely black; legs and antennae yellow. (L. 2 l.) Moss: Weston: 2-3.

612 Habrocerus Erichson.

613 Trichophya Mannerheim.

614 Hypocyptus Schuppel.
2976 laviusculus Man. Pr. 58. — Cy. nigripes Ste. M. v. 188. — Black, shining, slightly pubescent; head broad; thorax with the hinder angles very straight, the sides slightly pitchy; legs dusky-black; antennae pitchy-black, the 3 terminal joints distinctly largest. (L. $\frac{1}{2}$ l.) Moss: London district; New Forest; Rachills: — .

2977 parvulus Ste. M. v. 188. — Black; shining; slightly pubescent; head and thorax glabrous; hinder angles of latter slightly rounded; elytra dull chestnut, or pitchy-black; legs and antennae pitchy-red. (L. $\frac{1}{2}$ l.) Moss: London district; Bristol; Rachills: 4-6.

2978 anisotomoides Ste. M. v. 188. — Very convex, minute; deep shining black; smooth; head and thorax glabrous; elytra slightly pubescent; pitchy-brown; legs and antennae red. (L. $\frac{1}{2}$ l.) Moss: London district; Norfolk: 4-6.

2979 biguttatus Ent. M. (Matthews) v. 198. — Black, shining, with a golden pile: thorax with the margins tawny; hinder angles rounded; elytra with a large red spot on the disc of each; edge of abdominal segments and legs red; palpi and antennae tawny. (L. $\frac{1}{2}$ l.) Moss: London district; Weston: 3-4.

615 Conurus Stephens.

2980 pubescens Grav. Mi. 130. — Ste. M. v. 189. — Shuck. B. C. pl. 21. f. 6. — Convex; brown-black, somewhat pubescent; elytra chestnut-brown; margins of the abdominal segments reddish; legs and antennae dull red. (L. 2-2$\frac{1}{2}$ l.)


2981 litorreus L. ii. 685. — Co. cellaris Ste. M. v. 189 — Black; slightly tomentose; hinder angles of the thorax dull red; elytra with a large lunate patch at the base, and the legs testaceous-red; antennae red, brown in the middle; palpi red. (L. 1$\frac{1}{2}$-2 l.)

Var. ? Ta. angularis Ste. M. v. 193. — Rather pitchy; elytra chestnut, with a paler patch at the base; thorax with the hinder angles broadly, and the extreme base pale testaceous. Moss, &c.: London district; Norfolk; Suffolk; New Forest: 5-6.

2982 bipustulatus Fab. E. ii. 606. — Pz. F. xvi. f. 21. — Ste. M. v. 190. — Dusky-black; with a silken pubescence; hinder margin of thorax slightly testaceous; elytra with a large transverse testaceous spot in the middle of the base; abdomen with the 2 apical segments, and the margins of the rest, pale testaceous; antennae and legs dull red. (L. 1$\frac{1}{2}$-2 l.)

Var. Ta. Sowerbii Kirby. — Ste. M. v. 193. — Hinder angles of thorax broadly testaceous; abdomen black; legs pale testaceous; antennae brownish, the 2 basal and 2 apical joints testaceous.

2983 2-notatus Grav. Mi. 132. — Ta. finetarius Ste. M. v. 192. — Pitchy-black; shining; thorax very glossy, lateral margins somewhat testaceous; elytra with an oblong spot on the shoulders, and the margin of the apex dull red; legs and antennae pitchy-red. (L. 1$\frac{1}{2}$-1$\frac{3}{4}$ l.)


2984 obscuripennis Kirby. — Ste. M. v. 191. — Dull red; very glossy; smooth; glabrous; convex: head and thorax testaceous; elytra sometimes fuscescent, slightly pubescent; abdomen rather dusky; legs and base of
antennae yellowish-testaceous; eyes black. (L. 1 l.) Moss: London and Edinburgh districts; Norfolk and Suffolk: 10.


2986 flavipes Ste. M. v. 191. — Slender; testaceous-red; glossy; smooth; nearly glabrous; eyes black; elytra rather dull; abdomen dusky or pitchy, edges of the segments reddish; legs and base of antennae pale yellowish; apex of the latter pitchy-red. (L. 1 l.) Moss: London district: 10-1.

2987 melanoccephalus Ste. M. v. 191. — Convex; pitchy-red, very glossy; nearly glabrous; head black; elytra dark pitchy, slightly pubescent; abdomen dusky-piceous, with the margins of the segments reddish; legs and antennae dull red, tip of the latter dusky. (L. 1 l.) Moss: London district: 12.

2988 immaculatus Kirby. — Ste. M. v. 190. — Brown-black, smooth; rather shining, slightly pubescent; elytra somewhat narrowed at the tip, spotless; legs dull red; antennae glabrous, dusky-red in the middle, the terminal joint very short, obliquely truncate. (L. 1 l.) Grassy places, &c.: London district; Suffolk: 6-7.

2989 pusillus Kirby. — Ste. M. v. 190. — Brown-black, pubescent, slightly shining; thorax ample, base broadly testaceous-red; elytra with the tip, especially towards the suture, testaceous-red; abdomen black; legs dull red; antennae pale, middle joints dusky-black. (L. 1 l.) Moss, &c.: London district and Norfolk: 4-6.

2990 obscuratus Kirby. — Ste. M. v. 190. — Brown-black, pubescent and rather glossy; head and thorax dull red; eyes black; elytra with the apex obscure red; abdomen with the margins of all the segments, and the tip, obscure red: legs dull red; antennae pale red at the base, the tip black. (L. 1 l.) Moss, &c.: Norfolk; Suffolk: 8-1.


616 Bolitobius Leach.

2992 atricapillus Fab. E. ii. 599. — Ste. M. v. 172. — St. lunulatus Don. xv. pl. 532. f. 1. — Red; glossy; glabrous; head, breast, scutellum, and tip of the abdomen black; elytra blue-black, with a lunette patch on the shoulder, and the hinder margin whitish; legs, 4 basal, and the terminal joint of the antennae pale testaceous, middle of antennae black. (L. 21-3 l.) In gills of fungi: Coombe Wood; Darenth; Hertford; Suffolk; Norfolk; Edinburgh, &c.: 7-9.

2993 lunulatus L. ii. 684.? — Ste. M. v. 171. — Red; shining; glabrous: head and breast black; elytra blue-black, with the entire base and apical margin testaceous-red; antennae black in the middle. (L. 21-3 l.) In fungi: London district? 6-7?

2994 3-maculatus Pf. F. iii. 422. — Ste. M. v. 172. — Red; shining; glabrous; head and breast black; disc of thorax and abdomen fuscous; elytra testaceous, with 2 crenulated striae, the region of the scutellum, and the outer apex dusky, or black; legs and base of antennae pale testaceous, apex of latter dusky, or black. (L. 2-3 l.) Fungi, &c.: London district, and widely distributed: 5-8.

2995 melanoccephalus Marsh. i. 523. — Ste. M. v. 173. — Testaceous-red, shining, smooth, glabrous; head deep black; elytra spotless, with 2 faint
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crenate striae; breast reddish; legs pale testaceous; antennæ dusky, reddish at base. (L. 3 l.) Fungi, &c.: London district and S. Wales; 6-7.

2996 apicalis Ste. M. v. 173. — Reddish; smooth; glabrous; shining: head black; thorax with disc fuscous; elytra with 2 crenulated striae, the outer apex with a black patch; abdomen red-brown; breast black; tip of antennæ brownish. (L. 2-2½ l.) In boleti, &c.: London district: 6.

2997 angularis Ste. M. v. 173. — Elongate; testaceous-red, shining; smooth: head pitchy; elytra pale testaceous-red; with 2 obscure crenulated striae, extreme outer apex black; abdomen with the base of each segment brownish; legs and base of antennæ pale, tip of latter dusky. (L. 2 l.) Fungi, &c.: London district; Devon: 6.

2998 ochraceous Ste. M. v. 175. — Ochreous-red, smooth; very glossy: head pitchy; elytra with 2 faint crenulated striae, the outer apex with a pitchy-black patch; abdomen very acute, the tip pitchy-black; legs and antennæ pale testaceous. (L. 1½ l.) Fungi, &c.: London district: 6.

2999 bimaculatus Ste. M. v. 174. — Slender; red-brown; shining; smooth; head pitchy; elytra pale testaceous, with 2 faintly crenulated obscure striae; the outer apex with a more or less obsolete fuscous spot; abdomen and legs pale; antennæ reddish, tip rather pitchy. (L. 1½ l.) Fungi, &c.: London district; Norfolk; Bristol: 6.

3000 pygmaeus Fab. E. ii. — Pz. F. xxvii. f. 19. — Ste. M. v. 174. — Pitchy-black, shining; margins of the thorax and the elytra testaceous, outer angle of the latter fuscous, disc with 2 faint punctured striae; abdome- nal segments broadly edged with testaceous-red; legs long, pale; antennæ testaceous, the tip brownish. (L. 1½ l.) Boleti, &c.: London district; Suffolk; Norfolk; Bristol; Devon; S. Wales: 6-9.

3001 marginalis Ste. M. v. 174. — Pitchy-black; smooth; shining; head black; margins of the thorax testaceous; elytra pale testaceous, with a spot on the outer angle and the lateral margins fuscous; abdomen pitchy, tip paler, margins of the segments reddish; legs and antennæ pale, tip of latter dusky. (L. 1½ l.) Fungi, &c.: London district; Plymouth: 4-6.


3003 nitidulus Leach. — Ste. M. v. 175. — Narrow; testaceous-red; shining; smooth; head pitchy, base reddish; thorax and elytra spotless, the latter palish, and with 2 faintly punctate striae; abdomen pitchy-brown, the edges of the segments reddish; tip of antennæ pitchy. (L. 1½ l.) Boleti: Battersea fields; Ripley: 6-8.

3004 brunnipennis Ste. M. v. 175. — Testaceous-red; shining, smooth; head fuscous; thorax with a faint central fuscous cloud; elytra red-brown, spotless, with 2 very faintly punctured striae; abdomen brown, with the edges of the segments testaceous; legs and antennæ pale testaceous, tip of the latter brownish. (L. 1½ l.) Fungi, &c.: London district: 6.

3005 discoideus Ste. M. v. 175. — Pitchy-black; shining; smooth; head black; margins of thorax testaceous; elytra testaceous-red, spotless, with 2 faint punctured striae; margins of abdominal segments broadly testaceous; legs and antennæ pale, tip of the latter pitchy. (L. 1½ l.) Boleti, &c.: London district: 6-7.

3006 biguttatus Kirby. — Ste. M. v. 175. — Black; shining; very smooth; glabrous; thorax with the lateral margins piceous; elytra with the
shoulders pale, suture slightly raised; abdomen with the apex piceous, or reddish; legs and antennae pale, 6 terminal joints of the latter black. (L. 1$\frac{1}{2}$ l.) Boleti, &c.: Hertford; Suffolk; Norfolk; Devon: 5-6.

3007 ruficollis Ste. M. v. 176. — Rather narrow; black; shining; glabrous: thorax red, spotless; elytra fuscous, apical half dull red; margins of abdominal segments broadly testaceous; legs and base of antennae pale testaceous, tip of the latter dusky. (L. 1$\frac{1}{2}$ l.) Boleti: London district; Norfolk: 6-7.

3008 piceiceps Ste. M. v. 176. — Elongate; black; shining; head somewhat 3-angular, piceous; thorax testaceous-red, spotless; elytra dull reddish, base dusky; extreme tip of abdomen reddish; legs and antennae pale red, tip of latter dusky. (L. 1$\frac{1}{2}$ l.) Fungi, &c.: London district: 4-6.

3009† Simpsoni Spence. — Ste. M. v. 176. — Black; shining; smooth: head minute; mouth pale; eyes large; thorax broad behind, slightly notched in front; elytra scarcely longer or wider than the thorax, finely punctured, faintly notched at the apex towards the outer angle; legs and antennae dull red, the latter nearly filiform; palpi elongate, red, the tip brownish. (L. 1$\frac{1}{2}$ l.) Boleti: Yorkshire: 6.

617 Megacronus Stephens.

3010 analis Oliv. E. iii. 28. pl. 3. f. 24. — Ste. M. v. 165. — Shuck. B. C. pl. 22. f. 1. — Black; shining; smooth; glabrous: tip of abdomen, legs, anterior coxae, mouth, and elytra red, the latter punctate-striate; scutell pitchy-red; antennae pitchy, 4 basal joints and the terminal one, which is thrice as long as the others, testaceous. (L. 2$\frac{1}{2}$-3 l.) Moss, &c.: London and Edinburgh districts; Bristol; Devon, &c.: 3-5.

3011 cingulatus Mann. Pr. 64. — Me. rufipennis Ste. M. v. 166. — Broad; black; shining; glabrous; elytra blood-red, with 3 obscure punctured striae; tip of abdomen and legs red; antennae pitchy, the 3 basal, and 2 terminal joints testaceous, the terminal joint as long again as the others. (L. 3$\frac{1}{2}$ l.) Moss: London district: 3-5.

3012 merdarius Oliv. E. iii. 29. pl. 5. f. 45. — Ste. M. v. 166. — Black; shining; glabrous; thorax very glossy, and with the scutel red; elytra dull red, obscurely punctate-striate; apex of abdomen and legs testaceous; antennae pitchy-brown, the 4 basal joints and the terminal one pale testaceous. (L. 2$\frac{1}{2}$ l.) Moss, &c.: London district; Norfolk: 1-6.

3013 cernusus Grav. Mo. 31. — Ste. M. v. 167. — Pitchy-black; smooth; shining: thorax black or chestnut, with 4 dorsal punctures; mouth, elytra, margins of the abdominal segments, and the apex, chestnut; legs reddish; antennae pitchy, the 3 basal joints red, terminal one rather longer than the others. (L. 3 l.) Moss, &c.: London district; New Forest: 1-4.

3014 castaneus Ste. M. v. 166. — Shining chestnut-red; head pitchy; elytra rather dull, with 3 faint punctured striae; abdomen dusky, margins of the segments and the tip bright chestnut; legs testaceous; antennae pitchy, the 5 basal joints and the terminal one pale, apical joint smallish. (L. 2$\frac{1}{2}$ l.) Moss, &c.: London district and Norfolk: 1-4.

3015 nitidus Ste. M. v. 167. — Broad; pitchy-chestnut; shining; head and base of abdomen pitchy, tip of the latter chestnut-red; thorax chestnut, impunctate; elytra irregularly punctured: legs pale testaceous, 2 hinder tarsi long, slender; antennae long, filiform, pitchy, base and tip testaceous. (L. 3$\frac{1}{2}$ l.) Moss, &c.: London district, at Gravesend: 4-6.

3016 formosus Grav. Mi. 32. — Ste. M. v. 167. pl. xxvi. f. 5. — Slender, bright red, shining; head black; thorax brownish, with 4 impressions; elytra red-brown, irregularly punctured; abdomen black, tip red; legs
red; antennæ filiform, brown, with the 2 basal joints paler. (L. 3½ l.) Moss, &c.: London district and near Swansea: 4-6.

3017 † elegans Ent. M. (Matthews) v. 197. — Slender, pitchy-red; very glossy; head dusky; mouth and 2 streaks testaceous; thorax testaceous-red, spotless; elytra dusky, shoulders and tip broadly red, each with a single punctured stria; margins of abdominal segments broadly red; legs and basal joint of antennæ testaceous, remaining joints dusky. (L. 1¼ l.) Moss: Weston: 4-5.

618 MYCETOPORUS Mannerheim.

3018 splendidus Marsh. i. 524. — Ste. M. v. 168. — Shuck. B. C. pl. 22. f. 2. — Black; shining; smooth; glabrous; head somewhat orbiculate; thorax round in front, wide behind; elytra bright blood-red, with a punctured stria on each near the suture; tip of elytra and legs red; antennæ clavate; base testaceous. (L. 2½ l.) Under stones, &c.: London district; Suffolk: 4-6.

3019 tenuis Fab. E. ii. 599. — Ste. M. v. 169. — Black; glossy; smooth; glabrous; mouth pitchy; thorax testaceous; elytra pitchy, tip red, each with a punctured stria; margins of abdominal segments and legs red; antennæ pitchy, base paler. (L. 1¼ l.) Under bark: London district; Suffolk; Norfolk; Bristol; S. Wales: 1-4.

3020 lepidus Grav. Mo. 26. — Ste. M. v. 169. — Black; shining; glabrous; mouth reddish; thorax pitchy, with 2 basal impressions; elytra pitchy, hinder margin reddish, each with 3 punctured striae; abdomen with the tip and edges of the segments dull red; legs testaceous; antennæ dusky, base reddish. (L. 1¼ l.) Under bark, &c.: Hertford; Bristol; Norfolk; Suffolk; Edinburgh: 1-4.

3021 punctatostriatius Ph. F. iii. 417. — Ste. M. v. 169. — Black, very smooth and glossy; mouth red; thorax pitchy-red or black, margins reddish; elytra blood-red, each with 3 punctured striae, the outer margin dusky; tip of abdomen red; legs and antennæ testaceous. (L. 1¼ l.) Under stones: London and Edinburgh districts; Norfolk: 1-6.

3022 elavicornis Kirby. — Ste. M. v. 169. — Black, shining; mouth red, glabrous; head pitchy; thorax and elytra testaceous, the latter each with a single punctured stria; abdomen with the extreme tip reddish; legs and base of antennæ testaceous, tip of the latter black and thickened; middle joints transverse. (L. 1½-2 l.) Moss, &c.: London district; Suffolk: 6.

3023 splendidus Grav. Mo. 24. — Ste. M. v. 170. — Black or pitchy, very smooth and brilliant, glabrous; mouth and elytra red, the latter with the outer portion black, disc with an obscure punctate stria; abdomen pitchy, margins of the segments, apex, and legs red; antennæ pitchy, base and apex pale. (L. 2½ l.) Under stones: London district: 6.


3025 melanurus Kirby. — Ste. M. v. 170. — Deep black; very glossy and smooth; glabrous; elytra blood-red, each with a punctured stria; extreme tip of abdomen sometimes dull red; legs testaceous; base of antennæ occasionally pitchy. (L. 1½ l.) Under stones, &c.: London district; Suffolk; Devon: 1-4.

3026 brunneus Marsh. i. 524. — Ste. M. v. 170. — Red-brown; smooth, shining; head black; thorax and elytra red, the latter each with a central punctate-stria, extreme tip brownish; legs and antennæ red. (L. 1½ l.) London district: 6.
3027 rufescens Kirby. — Ste. M. v. 170. — Red; glossy, smooth; glabrous; head pitchy; thorax and elytra testaceous, the latter each with 4 striae of minute punctures; abdomen brownish; legs testaceous, hinder tarsi as long as the tibiae; antennae pitchy, base testaceous. (L. 1 1/2-1 3/4 l.) Moss, &c.: London district; Suffolk; Norfolk: 1-4.

3028 punctus Grav. Mi. 27. — Ste. M. v. 171. — Oblong; red-brown; shining; glabrous; head black, mouth and palpi red; thorax red; elytra testaceous-red, lateral margins dusky, each with 3 punctured striae; abdomen pitchy, tip reddish; legs red; antennae pitchy, base and terminal joint testaceous. (L. 1 1/4 l.) Under stones: London district; Suffolk: 1-4.

3029 † brevicornis Ent. M. (Matthews) v. 197. — Red, shining, smooth; thorax glossy, narrowed in front, light orange, with a few scattered punctures; elytra with a dusky spot at the scutellum, and a single deeply punctured stria near the outer margin; abdomen coarsely punctured, black, hinder margin of the segments broadly red; legs testaceous; antennae short, robust, dusky, the base testaceous. (L. 2 l.) Weston: 7.

619 Tachinus Gravenhorst.

3030 Silphoides L. ii. 684. — Ste. M. v. 194. — Ox. suturalis Pz. F. xviii. f. 20. ? var. — Shining black, smooth; sides of thorax, legs, and base of antennae livid; elytra livid testaceous, the lateral margins and an irregular longitudinal patch on the disc black; tip of abdomen testaceous. (L. 1 1/4 l.) Dung, &c.: Camberwell, and in other parts of London district; Norfolk; Suffolk; Cromond: 5-7.

3031 collaris Grav. M. 143. — Ste. M. v. 193. — Rather convex; pitchy-brown; shining, glabrous, thickly punctured; head black; thorax, legs, and antennae rusty-red, the disc of the former sometimes clouded; 3 with 3, 9 with 4, anal styles. (L. 1 1/4-1 3/4 l.)


3032 marginellus Fab. E. ii. 607. — Ste. M. v. 194. — St. marginatus Don. xv. pl. 382. f. 2. — Slightly convex; pitchy-black, shining; glabrous; finely punctured; thorax, with the lateral and basal margins, and a longitudinal streak within the outer base of the elytra, and the tips of the latter, red; legs and base of the antennae rusty-red. (L. 1 3/4-2 l.)

Var. ? Ta. laticollis Grav. Mi. 141. — Ste. M. v. 194. — Thorax broad, its lateral margins pale reddish, or concolorous; elytra dusky, with the tip red. Under stones, &c.: London district, and widely distributed: 4-8.

3033 fimetarius Grav. Mi. 141. ? — St. fuscipes Pz. F. xxvii. f. 12. ? — Ta. nigripes Kirby. — Ste. M. v. 195. — Black; shining; glabrous; elytra and abdomen finely punctured; the margins of the thorax and the elytra red-brown, disc of the last generally clouded with dusky; legs dull red; antennae black. (L. 2 1/4 l.) Moss, &c.: London district: 5-6.

3034 brunnipennis Ste. M. v. 195. — Black; shining; glabrous; thorax ample, the lateral margins rounded and reddish; elytra long, red-brown, disc clouded behind; tip and margins of abdominal segments and legs reddish; antennae rusty-piceous, the base obscure. (L. 2 1/2 l.) Moss: London district: 6.

3035 apicalis Ste. M. v. 195. — Black; shining; glabrous; punctured; thorax with the lateral margins dilated, base slightly reddish; extreme tip of elytra, and of abdomen, and edges of the segments of the latter, and also the legs, red; antennae slender, pitchy-red. (L. 2 1/2 l.)

Var. ? Ta. fulvipes Ste. M. v. 195. — Darker and more deeply punctured; lateral and hinder margins of thorax pitchy; elytra entirely pitchy-black;
abdomen black; legs tawny; antennae pitchy. Moss, &c.: London district; New Forest: 3-5.


3037 rufipes *L. ii. 685. — *Pz. F. xxvii. f. 20. — Ste. M. v. 196. — Slightly convex, finely and thickly punctured; pitchy-black, shining; apex of elytra and legs reddish; antennæ pitchy-brown: elytra sometimes reddish, or with a patch of that hue on the shoulders. (L. 21/2-3 l.) Decayed wood, &c.: London district; widely distributed: 3-6.

3038 intermedius *Kirby. — Ste. M. v. 196. — Black, convex, shining, minutely punctured; thorax with hinder margin slightly reddish; elytra and legs dusky chestnut; abdomen with the edges of the segments reddish; antennae black. (L. 21/3-3 l.)

Var. Ta. limbosus *Kirby. — Ste. M. v. 196. — Sides and base of the thorax reddish; elytra yellowish, with the disc dusky-red; antennæ dull red. Moss, &c.: London district; Norfolk; Suffolk; Swansea: 10-4.

3039 latus *Marsh. i. 524. — Ste. M. v. 197. — *Shuck. B. C. pl. 21. f. 4. — Black; shining; glabrous; nearly smooth; thorax broad, sides dilated, broadly red towards the base; elytra livid testaceous, the suture broadly, and the sides and apex black; legs and base of antennæ red, tip brownish. (L. 21/2-3 l.) Moss, &c.: London district, and widely dispersed: 10-4.

3040 cinetus *Marsh. i. 519. — Ste. M. v. 197. — Black; shining; glabrous; minutely punctured; thorax broadish, entire edge chestnut; elytra dusky-chestnut at the base, apex pitchy; scutellum chestnut; abdomen with the tip and the edges of the segments reddish; legs and base of antennæ chestnut: elytra and legs variable in colour. (L. 3-31/4 l.) Under stones, &c.: London district, and widely dispersed: 10-4.

3041 scapularis *Ste. M. v. 197. — Black; shining; smooth; glabrous; thorax wide, sides rounded and red; elytra ample, pitchy-black, the base outwardly light testaceous-red, the extreme tip reddish; legs testaceous; antennæ brownish, the base red. (L. 3 l.) Moist banks: London district; Devon: 10-4.

3042 bipustulatus *Grav. Mi. 135. — *Don. xv. pl. 532. f. 3. — Ste. M. v. 198.—Pitchy-black; shining; glabrous; thorax pitchy, the margins paler; elytra with an oblong yellowish spot at the base, disc finely punctured; legs dull red; antennæ black; elytra sometimes nearly all yellowish. (L. 21/2 l.) Banks: London district; Rachills: 10-4.

3043 subterraneus *L. ii. 684. — Ste. M. v. 198. — Black; shining; glabrous; elytra punctulated, each with an oblong bright testaceous spot at the base exterioirly; legs pitchy-black; antennæ black. (L. 21/2-3 l.) Damp banks: Fulham; Battersea fields; Dulwich; S. Wales; Rachills: 10-4.

3044 pallens *Gyll. ii. 259.? — Ste. M. v. 198. — Broad; testaceous-red; shining; glabrous; head and disc of thorax pitchy-black; elytra finely punctulated, with a brown cloud on the disc behind; legs and base of antennæ pale testaceous, tip of the latter fuscoous. (L. 21/2 l.) Under stones: London district; Devon: 10-4.

3045 aterrimus *Ste. M. v. 199. — Elongate; shining-black; glabrous; thorax ample, sides finely margined, but scarcely rounded; elytra thickly and coarsely punctured, tip concolorous with the disc; legs and base of antennæ dull rusty-red, tip of the latter dusky. (L. 4 l.) Moss: Norfolk: 10-4.
BRACHELYTRA. — STAPHYLINIDÆ.

3046 elongatus Gyll. ii. 251. — Ste. M. v. 199. — Elongate; pitchy-black; shining; glabrous; thorax ample, sides finely margined, rounded, and dull red; elytra finely punctured, the punctures slightly disposed in striae; apex reddish; abdomen with its tip and the edges of the segments red; legs and antennæ dull red, 4 basal joints of the latter darker; palpi dull red. (L. 4-4½ l.) Decayed wood, &c.: Windsor; Norfolk; Yorkshire; Scotland: 4-6.

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dexxi. Creophilus Ant. short, clavate, terminal joint obliquely truncate, somewhat foveolated: palpi nearly filiform: head and thorax glabrous, the latter orbiculate-4-drate: elytra and abdomen with hairy patches; latter in the 3 with apical segment deeply notched; anter. tarsi much dilated.

dexxii. Emus Ant. nearly filiform, the 6 terminal joints transverse, the apical one obliquely truncate and slightly notched: palpi almost filiform: thorax orbiculate-4-drate: body densely clothed with long pile: legs hirsute, anter. tarsi dilated; 3 with a spine on hinder trochanters.

dexxiii. Trichoderma Ant. filiform; terminal joint obliquely acuminated: palpi with apical joint slender, rather shorter than the preceding: tho. somewhat 4-drate, rounded behind: body entirely clothed with a variegated pile: tibia setose; anter. tarsi dilated.

dexxiv. Staphylinus Ant. filiform, terminal joint obliquely acuminated: palpi with apical joint rather slender, as long as the preceding: tho. somewhat 4-drate, rounded behind: body clothed with a very short uniform pile: tibia setose; anter. tarsi dilat. d.

dexxv. Goërius Ant. filiform, longish, terminal joint abruptly acuminated: palpi somewhat filiform, apical joint cylindric-truncate: tho. 4-drate, hinder angles rounded, disc punctulate: body glabrous: tibia setose; anter. tarsi much dilated: mand. dissimilarly toothed within.


dexxviii. Oxyporus Ant. short, thickened at the tip, the 6 terminal joints dilated and compressed: palpi max. filiform, labi. with terminal joint secundiform: tho. short, truncate: elytra flat, with gibbous shoulders: body glabrous: middle legs distant at the base; tibia slightly ciliated: mand. prominent.


dexx. Astrapæus Ant. nearly filiform; joints mostly subglobose-conic: palpi all with terminal joint secundiform: tho. somewhat 4-drate, apex and sides straight, base rounded: tibia setose; anter. tarsi dilated.

dexxi. Microsaurus Ant. scarcely filiform, short, terminal joint ovate-acute, not emarginate: palpi long, slender, apical joint slightly attenuated
STAPHYLINIDÆ.


dexxxii. Quedius Ant. slender, filiform; terminal joint suddenly attenuated: palpI elongate, slender, somewhat fusiform: head smallish, somewhat ovate: tho. convex, its sides expanded, disc polished, smooth, with remote punctures: tibia setose: anter. tarsi much dilated.

dexxxiii. Raphirus Ant. slender, filiform; terminal joint abruptly acuminated: palpI with apical joint elongate, acuminate: head ovate: eyes very large: tho. convex, compressed in front, disc with a double row of 3 large punctures: body narrowed at each end: abdomen acute: tibia spinose: anter. tarsi severely dilated, terminal joint elongate.

dexxvii. Philonthus Ant. filiform; terminal joint excavated at the tip: palpI with apical joint more slender than the preceding, truncate: head orbiculate: tho. 4-drate, sides dilated, compressed in front; disc smooth: tibia setose, downy within: anter. tarsi slightly dilated, terminal joint elongate: mand. with a strong central tooth.


dexlii. Leptacinus Ant. elbowed, approximating at the base; terminal joint acuminated: palpI with the apical joint subulated: head moderate; forehead 4-sulcate: tho. oblong: body elongate: elytra flatish, the suture imbricated: anter. tarsi not dilated.

dexliii. Cryptobium Ant. elbowed; terminal joint rounded: palpI with apical joint minute, subulated: labrum bilobed: head oblong: tho. elongate, 4-angular: body linear-elongate: tarsi all simple, basal joint slightly longest.

ovate, flat; elytra quadrate; body flat; abdomen broad; tibiae simple; anter. tarsi dilated, terminal joint longest.

dxxiv. Latribomum Ant. not elbowed; terminal joint obconic; palpi with apical joint minute, subulate; labrum transverse, bilobed; head suborbiculate, punctured; tho. elongate, thickly punctate; body linear-elongate, slightly convex; thighs compressed; anterior and their tibiae generally armed with a tooth; anter. tarsi broadly dilated.

620 Velleius Leach.

3047 dilatatus Pk. F. iii. 389. — Ste. M. v. 201. pl. xxvi. f. 6. — Black, shining; thorax with a brassy tinge; elytra opaque, with an obscure pubescence; anterior tarsi dull red beneath; terminal joint of the antennae testaceous. (L. 9 l.) Winchmore Hill: 6?.

621 Creophilus Kirby.

3048 maxillosus L. ii. 683. — Ste. M. v. 202. — Shuck, B. C. pl. 21. f. 2. — Black; shining; pubescent; elytra with a central angulated villose ashy band, in which are about 7 large punctures on each elytron, placed longitudinally, the hinder margin fringed with black; abdomen with an interrupted villose ashy band above, and the 3 basal segments beneath, ashy. (L. 6-10 l.) In carcases, &c.: widely distributed: ?.

3049 † ciliaris Leach. — Ste. M. v. 202. — Black, shining, with an ashy pile; scutellum, tip of the elytra, margins of the abdominal segments and the hinder ones, with tawny-golden pile; legs clothed with tawny pile. (L. 7½ l.) Edinburgh and Inverness: 10-12.

622 Emus Leach.

3050 hirtus L. ii. 683. — Ste. M. v. 203. — Cur. xii. pl. 534. — Black; very hirsute; head, thorax, and abdomen behind, with long golden-yellow hairs, the hinder edge of thorax and the scutellum with black; elytra with black pile in front, and an ashy villose band, dotted with bluish, behind; body with a violet tinge beneath, with a golden band on the penult., and 2 spots of the same on the ante-penult., segment; legs with black hairs. (L. 9-12 l.) Open places: New Forest: Parley Heath; Devon: 6-7.

623 Trichoderma Stephens.

3051 nebulosum Fab. E. ii. 590. — Ste. M. v. 204. — St. hybridus Don. xvi. pl. 563. — Black; densely clothed with a tawny-golden ashy pile, varied with black; the markings somewhat band-like on the elytra, tip of abdomen black; anterior thighs with the tip, and posterior with a ring, and the tibiae, testaceous. (L. 6-8 l.) In carcases, &c.: Hertford; Suffolk; Norfolk; Devon; S. Wales, &c.: 10-4.

3052 murinum L. ii. 683.? — Mart. C. pl. 41. f. 22. — Ste. M. v. 205. — Black, clothed with an ashy pubescence, clouded with black; elytra obscurely variegated with fuscous; abdomen varied with ashy and black pile; beneath rather silvery; legs black. (L. 4½-6 l.) In dunghills, &c.: London district; Bristol; Norfolk; S. Wales: 10-6.

3053 pubescens Fab. E. ii. 509. — Ste. M. v. 205. — Black; obscure; head with a yellowish down; thorax and elytra varied with black and dull red pile; abdomen above dusky, with dull ochreous clouds and a double row of velvety-black spots, beneath with a silvery pile; thighs with a testaceous ring near the tip; base of antennae dull red, varied with black. (L. 5-6 l.) In carcases, &c.: London and Edinburgh districts; S. Wales; &c.: 1-5.
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St. cassareus Ceder. F. I. No. 1055. — Black, pubescent; elytra, legs, and base of antennae, red; hinder margin of thorax, and a round spot on either side of each abdominal segment, with golden down; scutellum with deep black. (L. 5½-6½ l.) In pastures: London and Edinburgh districts; S. Wales; Devon; Suffolk; Norfolk: 4-10.

3055 castanopterus Grav. Mi. 10. — Ste. M. v. 206. — Ste. erythropterus var. Oliv. E. iii. 18. pl. 3. f. 23. — Black; base and tip of antennae, elytra, and legs, red; thorax immaculate; scutellum with a golden-yellow down; each segment of the abdomen with a small spot of the same on either side. (L. 5-6 l.) Meadows: London district, rare; Devon; S. Wales; Scotland: 10-4.

3056 stercorarius Oliv. E. iii. 18. pl. 3. f. 23. — Ste. M. v. 206. — Black, opaque, pubescent; base of antennae, legs, and elytra red; scutellum clothed with a dark pile: each segment of abdomen with an oblique streak of silky down at the base on either side; legs dull-testaceous; base of antennae pitchy-red. (L. 5½-6 l.) Dung heaps, &c.: London district; Norfolk; Suffolk; Devon: 3-9.

3057 ærieps Kirby. — Ste. M. v. 206. — Black, opaque; head and thorax brassy-black, finely punctured; scutellum black: elytra dull red; abdomen with a downy silvery spot at the base of each segment on either side; legs dull red. (L. 5½ l.) London district; Suffolk; Swansea: 3-9.

3058 chaleoccephalus Fab. E. ii. 592. — Ste. M. v. 207. — Dusky black; pubescent; head and thorax brassy, finely punctured; elytra dusky-red; abdomen with 2 obscure pubescent golden lines at the base of each segment; legs brown; thighs dusky; antennae dusky-brown. (L. 6½ l.) London district; Devon: 5-6.

3059 æneoccephalus Pk. F. iii. 274. — Oliv. E. iii. 16. pl. 2. f. 16. — Ste. M. v. 207. — Black, pubescent; head and thorax shining brass, very finely punctulated; elytra pitchy-brass; thighs pitchy; tibiae and tarsi dusky-testaceous; antennae at base and palpi dullish red. (L. 6-7½ l.) Sand-pits Hampstead Heath; S. Wales; Edinburgh: 4-6.


3061 brunnipes Oliv. E. iii. 13. pl. 1. f. 7. — Ste. M. v. 207. — Pitchy-black, rather obscure, punctulate; head and thorax shining; the latter with a smooth dorsal line; elytra obscure; legs entirely, and base and apex of antennae, red. (L. 5-7½ l.) Under stones, &c.: London district; Suffolk; Norfolk; Raehills: 5-9.

3062 cantianus Kirby. — Ste. M. v. 207. — Deep black; pubescent; head and thorax shining, irregularly punctured; the latter with a faint smooth dorsal line; elytra obscure, punctured, with a larger impression near the suture towards the apex; legs and antennae brown. (L. 6½ l.) Under stones: London district; about Gravesend: Winchester: 5-9.

625 GöËRIUS Leach.

Ste. M. v. 208. — Deep black, opaque, sparingly tomentose; finely and thickly punctured. (L. 9-16 l.) Abundant in fields, roads, &c.: every where in autumn. *

3064† macrocephalus Leach. — Ste. M. v. 208. — Deep black; head very
large, and, as well as the thorax, with a brassy hue and shining, thickly
and minutely punctured; elytra pitchy-black, opaque; legs brown-black;
tarsi pitchy-red. (L. 10 l.) Devonshire: 10-1.
— Black, opaque; head, thorax, and elytra blue, slightly glossy and
thickly punctulate; scutell. velvety-black; antennæ with terminal joints
pitchy-black. (L. 5⅓-9 l.) Under stones, &c.: Coombe Wood; Suffolk;
Norfolk; Devon; Yorkshire: 10-5.
3066 punctatus Marsh. i. 501. — Mart. C. pl. 42. f. 27. — Ste. M. v. 209.
— Black; head and thorax shining, coarsely punctured; elytra opaque,
finely punctured, with a faint bluish tinge; tarsi pitchy; antennæ with
the terminal joints dull red. (L. 6⅓-8 l.) Under stones, &c.: Coombe
Wood; Hampstead; Norfolk; Suffolk; Devon; S. Wales: 10-4.
3067 Morio Grave. Mi. 6. — Ste. M. v. 209. — Slender; black; head and
thorax glabrous, shining, distinctly and rather coarsely punctured; elytra
dull black, thickly punctured; tarsi dull red; antennæ with the terminal
joints pitchy-brown. (L. 6-8 l.) Under leaves, &c.: Darent Wood;
Hampstead; Norfolk; Devon: 10-4.
3068 Kirbii Leach. — Ste. M. v. 210. — Black, very glossy; head and tho-
rax thickly and deeply punctured; elytra finely punctured, pitchy-brown,
the suture slightly raised; tarsi reddish; antennæ pitchy, the tip paler.
(L. 7 l.) London district, and Devon: 10-4.
transversely 4-angular, and, with the thorax, glossy, rather distinctly but
deply punctured: elytra opaque, thickly punctured; legs pitchy; tibiae
and tarsi reddish; antennæ with the 3 or 4 basal joints black, the remainder
3070 erythropus Ph. F. iii. 372. — Ste. M. v. 210. — Black; head and
thorax bright brassy-green, very much punctured; elytra dull brassy-
green, finely punctured; abdomen with the penult. segment faintly edged
with white, and fringed with tawny; legs red, coxa black, the 2 anterior
beneath, and the hinder pair, red; antennæ rusty-red, the tip dusky. (L.
6-8 l.) Dead leaves: Coombe Wood, and near Dartford: 6.

626 Ocyopus Kirby.

3071 similis Oliv. E. iii. 13. pl. l. f. 7. — Ste. M. v. 211. — Black; slightly
tomentose, opaque; head and thorax very thickly punctured, and with a
smooth dorsal line; elytra obscure; abdomen with transverse punctures;
lags pitchy-black; tarsi and tip of antennæ pitchy-red. (L. 5-7 l.)
Sand-pits, &c.: London district; Raehills: 10-4.
3072 picipes Ste. M. v. 212. — Black, opaque; head and thorax slightly
glossy, very thickly and finely punctulated, with a faint smooth dorsal line;
elytra dull black; margins of the abdominal segments pitchy; legs pitchy-
black; tarsi reddish; antennæ pitchy, tip red. (L. 6 l.) London dis-
trict, and Devon: 3-4.
3073 angustatus Kirby. — Ste. M. v. 212. — Deep black, opaque; slender;
head and thorax very slightly shining, very thickly and finely punctured;
abdomen with the terminal segment notched beneath; legs pitchy-black,
tarsi pale; antennæ pitchy, tip red. (L. 7 l.) London district; Suffolk;
Yorkshire: 3-4.
3074 compressus Marsh. i. 503. — Ste. M. v. 212. — Black; very thickly
and finely punctured; head and thorax obscure; elytra slightly pubes-
cent; legs red-brown; antennæ fuscosus, the 2 basal and the 2 apical
joints rusty-red. (L. 6-7 l.) Under stones, &c.: London district; Nor-
folk; Suffolk; Sussex, &c.: 10-5.
3075 phæopus *Ste. M.* v. 212. — Deep black; very thickly and finely punctured; head and thorax rather glossy, with a faint dorsal line; elytra opaque, pubescent; legs and antennæ dull red-brown. (L. 7 l.) Under stones: London district: 10-4.

627 *Tasgius* Leach.

3076 ruîpes *Latr. Gr.* i. 285. — *Ste. M.* v. 213. — *Cur. x.* pl. 438.? — Black; head and thorax with a slight brassy tint, coarsely and deeply punctured, very glossy; with a slender smooth dorsal line; elytra obscure, with a bluish tinge; legs tawny red, with obscure coxae; antennæ brown, the base red, apex tawny. (L. 6-8 l.) Under stones: London district; Devonshire: 10-4.

3077 confinis *Kirby.* — *Ste. M.* v. 211. — Black, obscure; slightly pubescent; head and thorax glossy, blackish-brass, thickly punctured; elytra dull blackish-brass, with a puncture within the apex; legs pitchy-black; tarsi pitchy-red. (L. 6-7 l.) Under bark, stones, &c.: Epping Forest; Tottenham, &c.: 10-5.

628 *Oxyporus* Fabricius.

3078 rufus *L.* ii. 684. — *Samou.* pl. 4. f. 11. — *Ste. M.* v. 305. — Red; shining; glabrous; head, breast, elytra, except at the shoulders, 2 apical segments of the abdomen, coxa, trochanters, and base of the thighs, black. (L. 3-5 l.) Gills of fungi: Coombe Wood; Ripley; Bristol; Norfolk; Suffolk; S. Wales, &c.: 5-6.

3079 maxillosus *Fab. E.* ii. 605. — *Cur. ix.* pl. 418. — *Ste. M.* v. 305. — Black; shining; 2 dots between the eyes, and 1 or 2 towards the base of the thorax, red; elytra lurid ochreous; hinder margin, especially at the angles, black; abdomen pale red, tip more or less fuscous; legs pale red; antennæ fuscous. (L. 3-4 l.) On fungi: near Cheltenham and Bristol: 6.

629 *Euryporus* Erichson.

3080 † picipes *Pk. F.* iii. 426. — *Shuck. B. C.* pl. 20. f. 6. — Black; shining; thorax very smooth; glossy; with 6 punctures, forming 2 dorsal rows in front of the disc; legs pitchy-red; mouth and base of the antennæ red. (L. 4½ l.) Under bark of trees: Norfolk?

630 *Astrapæus* Gravenhorst.

3081 † rufipennis *Leach.* — *Ste. M.* v. 214. — Black; shining; head and thorax smooth; elytra chestnut-red, with a longitudinal row of punctures; penultimate segment of abdomen, 2 basal joints of antennæ, and labrum, red; tibiae and anterior tarsi brownish. (L. 6 l.) Coombe Wood and Devon: 6.

631 *Microsaurus* De Jean.

3082 lateralis *Grav. Mi.* 35. — *Ste. M.* v. 216. and 485. — *Cur. xiv.* pl. 638. — Black, shining; base of antennæ, palpi, and tarsi pitchy-red; thorax with a faint metallic tinge; elytra opaque, finely punctured, the lateral margin broadly testaceous. (L. 6-6½ l). Darenth Wood; Spitchweek, Devon; Stockton, and near Edinburgh: 6-7.

632 *Quedius* Leach.

§ A. Eyes very large, ovate.

3083 tristis *Grav. Mi.* 34. — *Ste. M.* v. 215. — Black, obscure; head and thorax glossy; the former with 6 punctures placed transversely between
the eyes, the latter with 3 placed obliquely on each side of the disc; legs pitchy-black; tarsi, palpi, and antennae red. (L. 4-6 l.)


Var. ? Q. Qu. gracillis Ste. M. v. 215. — Rather more slender, and shining; head very small; thorax with 4 distinct punctures; elytra somewhat pitchy; extreme tip of the abdomen, legs, and apex of antennae pitchy, base of the latter, tibiae, and tarsi reddish. (L. 6 l.) Under stones: London district; Norfolk; Suffolk; Devon; S. Wales, &c.: 10-5.

3084 picipes Mann. Pr. 26. — Qu. pyrrhopus Kirby. — Ste. M. v. 216. — Black: head and thorax shining; the former with 3 punctures on the hinder angles, and 1 near each eye; the latter with c, placed obliquely in 2 rows; elytra bright red, very thickly punctulated, opaque; abdomen with a slightly metallic gloss; legs and antennae red. (L. 3-4½ l.) Dung, &c.: London district; Dover; Norfolk; Suffolk; Yorkshire: 4-6.

3085 picipennis Ph. F. iii. 373. — Ste. M. v. 216. — Black, obscure; head and thorax very glossy, punctured as the last; elytra very much punctured, pitchy-chestnut; legs and antennae pitchy-red, thighs dusky; scutellum punctured. (L. 4-5½ l.)

Var. Qu. denudatus Kirby. — Ste. M. v. 216. — Pitchy-black; elytra glabrous, very much punctured; legs and antennae pitchy. Dung, &c.: London district; Norfolk; Suffolk; Devon; Bristol; S. Wales, &c.: 4-6.

3086 analis Ste. M. v. 435. — Black, shining; head and thorax punctured as before: elytra, tip of the abdomen, and the legs, pitchy-red; antennae pitchy. (L. 5 l.) Dung: London district; Yorkshire: 4-6.

§ B. Eyes remote; sides of thorax not waved.

a. Thorax with a double row of 2 or 3 punctures.

3087 nitidus Grae. Mi. 31. — Qu. variabilis Ste. M. v. 218. — Black; very shining; thorax with the lateral margins dilated, orbiculate; elytra obscure, pitchy or black, very much punctulated, pubescent; legs and antennae pitchy; palpi black. (L. 3-5 l.)

Var. Qu. haemopterus Kirby. — Ste. M. v. 217. — Elytra red; legs and antennae brown; palpi fuscos.


3088 Lathburii Kirby. — Ste. M. v. 218. — Pitchy: head orbiculate, glossy; thorax broad, polished, glabrous; elytra tawny-yellow; obscure, slightly pubescent; abdomen broad, pitchy; legs rusty-pitchy, tarsi paler; antennæ and palpi tawny-yellow: tip of antennæ, and hinder legs, sometimes pitchy. (L. 3½ l.) Dung, &c.: London district; Suffolk: 4-6.

3089 scitus Grav. Mo. 50.—St. atriceps Kirby. — Ste. M. v. 218. — Pitchy-red, or dull red; shining; head black; polished; thorax also polished, its disc sometimes fuscos; elytra dull red, sparingly punctulated, outer angles pitchy; tip of abdomen, legs, and antennæ rusty-red. (L. 3 l.) Dung: London district, and Suffolk: 6.

3090 haemorrhoidalis Leach. — Ste. M. v. 218. — Black; somewhat shining; head ovate; elytra, punctured, and legs pitchy-chestnut; abdomen flat, dilated, the terminal segment red; legs pitchy-brown, or chestnut; antennæ pitchy, stoutish. (L. 3 l.) Dung, &c.: London district; Devon: 4-6.

3091 fulvipes Fab. E. ii. 597. — Ste. M. v. 219. — Black; shining; head very glossy, rather narrower than the thorax; elytra red, glabrous, nearly
impunctate; extreme tip of abdomen and edges of its segments, legs, and base of antennæ, red; apex of latter dusky-red. (L. 3-4 l.) Dung, &c.

London district; Devon: 4-6.

3092 impressus Pz. F. xxxvi. f. 21. — Ste. M. v. 219. — Black; shining; head and thorax very glossy; elytra glabrous, shining, with 4 rows of punctures, sides, suture, and tip red, or testaceous; legs pitchy; knees brownish; antennæ pitchy-black. (L. 3½ l.) Decayed leaves, &c.; London district; Suffolk; Devon: 4-8.

3093 atripennis Ste. M. v. 436. — Pitchy-red; shining; head and elytra deep black; the latter finely punctured; legs pale red; antennæ pitchy. (L. 4 l.) Scotland: 6.

3094 sericopterus Ste. M. v. 219. — Black; rather glossy; head and thorax polished; elytra chestnut-brown, clothed with long silken pubescence; abdomen with a bluish gloss, apex acute; legs and antennæ red-brown, the latter palest and slender. (L. 3 l.) Dung: London district: 6.

3095 rufitarsis Marsh. i. 512. — Ste. M. v. 220.—Black; head rather narrower than the thorax, both polished; elytra pubescent, testaceous, punctured; legs pitchy-black; tarsi red; antennæ pitchy. (L. 3 l.) Dung: London district: 6.

3096 humeralis Kirby. — Ste. M. v. 220. — Black; highly polished; head orbicular; eyes largish; elytra dull reddish, very much punctulated, slightly pubescent; abdomen with a purplish hue, the edges of the segments and the extreme tip reddish; legs and base of antennæ red. (L. 3 l.) Dung: London district; Barham: 6.

3097† seminitidus Kirby.—Ste. M. v. 220.—Black, obscure; head rounded, and with the thorax polished; elytra obscure pitchy, punctulated, pubescent; legs pitchy-black; antennæ and palpi black, the latter somewhat elavate. (L. 1½ l.) Dung: Suffolk: 6.

b. Thorax with a double row of 4 punctures each.

3098 picatus Kirby. — Ste. M. v. 220. — Black; head somewhat heart-shaped, shining; thorax polished, and with a fovea at the base; elytra pitchy, pubescent, much punctured; legs pitchy-red, anterior coxae dusky. (L. 3 l.) Dung: London district; Suffolk; Devon: 6.

3099 pieipes Kirby. — Ste. M. v. 221. — Black, with a longish, but scanty ashy pubescence; head somewhat heart-shaped, glossy, and, with the thorax, glabrous; elytra pitchy, obscure, minutely punctulate; legs pitchy-red; anterior coxae dusky; basal joints of antennæ pitchy. (L. 2½-3 l.)

Var. St. hirtipennis Kirby. — Ste. M. v. 221. — Elytra clothed with a longer and more rigid pubescence than the type; legs dull red, segments of the abdomen slightly reddish on the edge. Dung: London district; Suffolk: 6.

3100 serieans Kirby. — Ste. M. v. 221. — Black; shining; pilose; head somewhat orbicular; thorax with a silken gloss; elytra dull red, pilose, punctulated; abdomen ovate, the edges of the segments beneath red; legs dull reddish; base of antennæ rusty-piceous. (L. 2½ l.) Dung: London district; Suffolk: 6.

3101 fuscipennis Kirby. — Ste. M. v. 222. — Deep black, shining; rather pilose; head somewhat orbicular, and, with the thorax, polished; elytra punctulate, chestnut-brown; abdomen with a bluish tint; legs chestnut; antennæ black. (L. 3 l.) Dung: Suffolk; Devon: 6.

3102 rufipes Ste. M. v. 222. — Pitchy-black; head and thorax polished; elytra slightly pubescent, very much punctulated, obscure; abdomen also pubescent, edges of the segments obscurely pitchy; legs tawny-red; tibia
BRACHELYTRA. — STAPHYLINIDÆ.

and tarsi obscure; antennæ pitchy, base red. (L. 2\textfrac{1}{2} l.) Dung: London district: 6.

3103 nitescens Ste. M. v. 222. — Pitchy-black; rather glossy; head small, black; thorax somewhat orbiculate; elytra slightly pubescent, apex pale pitchy; abdomen pubescent, margins of the segments, legs, and antennæ, pitchy. (L. 2 l.) Dung: Norfolk; Swansia: 6.

3104 nigricornis Ste. M. v. 222. — Deep black, highly polished; elytra slightly glossy, very thickly punctulated; abdomen with a faint purplish tinge; legs pitchy, anterior thighs brownish; antennæ stoutish. (L. 3\textfrac{1}{2} l.) Dung: London district: 6.

3105 caliginosus Ste. M. v. 223. — Black; slightly shining; head somewhat ovate; thorax rather elongate-ovate; elytra dull black, finely punctured, pubescent; legs pitchy-black. (L. 2\textfrac{1}{2} l.) Dung: London district: 6.

c. Thorax with 10 punctures, forming 2 rows.

3106 lepidulus Kirby. — Ste. M. v. 223. — Black; shining; head somewhat heart-shaped, narrower than the thorax, both polished; elytra reddish, slightly pubescent, punctulated; abdomen with the edges of the segments dull pitchy; legs and antennæ red, base of the latter pale. (L. 2\textfrac{1}{2} l.) Dung: London district; Suffolk; Devon: 6.

3107 inquinatus Kirby. — Ste. M. v. 223. — Black, shining; rather pilose; head somewhat orbiculate; elytra punctuate, and, with the base, black; abdomen linear, silky beneath; legs fuscous, tarsi paler; antennæ brown-black, the basal joint pitchy. (L. 2\textfrac{3}{4} l.) Dung: London district; Suffolk: 6.

3108 picicollis Kirby. — Ste. M. v. 224. — Black; head orbiculate, scarcely narrower than the thorax, glabrous; thorax somewhat 4-drante, pitchy-brown, shining; elytra pitchy, pubescent; abdomen with the edge of the segments beneath reddish; thighs tawny; tibiae, tarsi, and antennæ fuscous, basal joint of latter palest. (L. 2 l.) Dung: London district; Suffolk; Norfolk; Devon: 4-6.

3109 discoideus Grav. Mi. 38. — Qu. suturalis Ste. M. v. 224. — Pitchy-black, or black; shining; head somewhat heart-shaped, narrower than the thorax; elytra slightly pubescent, thickly punctured, pitchy, with the suture, apex, and lateral margin, testaceous; abdomen with the edges of the segments reddish; legs and antennæ dull red. (L 2\textfrac{1}{2} l.) Dung: London district; Norfolk; Suffolk; S. Wales; Cramond: 6.

3110 unicolor Kirby. — Ste. M. v. 224. — Deep black; rather shining; head somewhat heart-shaped, about half as wide as the thorax, both polished; elytra rather obscure, pubescent. (L. 2\textfrac{1}{2} l.) Dung: London district; Norfolk; Suffolk; Devon: 4-6.

3111 castanopterus Ste. M. v. 225.—Black; shining; head somewhat ovate; thorax nearly orbiculate; elytra faintly punctured, bright chestnut-red; 2 basal segments of the abdomen narrowly edged with reddish; legs and antennæ dusky, base of the latter and tarsi pitchy. (L. 2\textfrac{3}{4} l.) Dung: London district: 5-6.

d. Thorax with 4 punctures.

3112 Skrimshiranus Ste. M. v. 225. — Pitchy-red; shining; glabrous; head ovate, pitchy-black; thorax convex, pitchy-red, polished, with 4 punctures placed 4-gonally; elytra finely punctate, pitchy-black; suture pitchy; legs dull pitchy-red; tarsi pale: antennæ pitchy, reddish at the base. (L. 4 l.) South Creek, Norfolk; Whitehall? 6.
§ C. Eyes moderate; thorax with the lateral margins slightly waved.

3113 nitidus Fab. E. ii. 596. — Ste. M. v. 225. — Black; shining; head much punctured on each side; thorax with 8 punctures on the disc, forming 2 oblique lines; elytra very much punctulated, testaceous-red, slightly pubescent; abdomen punctured; legs pithy, or black. (L. 5-5½ l.) Dung: London district; Devon; Suffolks: 4-6.

3114 erythropterus Ste. M. v. 226. — Black; shining, glabrous; thorax with 2 faint impressions on the disc, and 8 punctures; elytra nearly glabrous, red, the base indeterminately dusky; tip of abdomen and margins of all its segments, with the legs and antennae, pithy-red. (L. 5 l.) Dung: London district: 6.

633 Raphirus Leach.

3115 semiobsequus Marsh. i. 512. — Ste. M. v. 241. — Qu. umbrinus Erio. K. i. 491. — Pitchy-black; head black, and, with the thorax, polished; elytra dull pithy, short, thickly punctured; abdomen somewhat iridescent, the edges of the segments beneath reddish; legs and antennae rusty-red, the latter slender. (L. 3-3½ l.) Dung, &c.: London district; Norfolk; Suffolk; Devon: 4-6.

3116 mauro-rufus Grav. Mo. 56. — Ru. præcox Ste. M. v. 245. — Rusty-brown; shining, pilose beneath; head somewhat ovate, pitchy-black; thorax slightly pithy in front; elytra dusky and finely punctulated, dusky-testaceous; abdomen iridescent; legs and antennae at base testaceous, apex of the latter dusky. (L. 2½-3 l.) Dung, &c.: London district; Norfolk; Suffolk; Redcar: 4-6.

3117 attentuatus Grav. Mo. 61. ? — Ste. M. v. 242. — St. præcox Erio. K. i. 492. — Pitchy-black; shining; head somewhat orbiculate, dusky; elytra opaque, finely and densely punctured; abdomen iridescent, apex sometimes pithy; legs testaceous, hinder thighs dusky; antennae dull testaceous. (L. 2-2½ l.) Dung, &c.: London district; Devon: 6.

3118 nitipennis Leach. — Ste. M. v. 242. — Qu. attenuatus Erio. K. i. 493. — Black, shining; head orbiculate, narrower than the thorax; elytra brassy-black, very finely punctured, slightly shining; legs, palpi, and antennae tawny-red; scutellum punctured. (L. 2½ l.) Dung: Battersea fields; Marton; Devon: 4-6.

3119 Boops Grav. Mi. 21. — Ste. M. v. 242. — Black, shining; head orbiculate, as wide as the thorax; eyes very large; thorax black or pitchy, glossy; elytra pubescent, slightly punctured, sometimes with a greenish tinge; legs and antennae testaceous. (L. 2-2½ l.) Dung, &c.: London district; Yorkshire; Scotland: 6-8.

3120 picipennis Ste. M. v. 243. — Shining black; head somewhat orbiculate; thorax with the hinder margin pithy; elytra pithy, with a faint greenish hue; abdomen with the edges of the segments and the apex pithy-red; legs pale testaceous; antennae pithy-red. (L. 2½ l.) Dung: London district: 4.

3121 rufipennis Kirby. — Ste. M. v. 243. — Black; obscure; head and thorax polished; elytra rusty-red, with a dense griseous pile; 4 anterior legs testaceous, 2 hinder red; antennae and palpi testaceous-red. (L. 2½ l.) Dung, &c.: London district; Suffolk; Yorkshire: 4-6.

3122 fusipes Kirby. — Ste. M. v. 243. — Qu. scintillans Erio. K. i. 490. ? — Black; head and thorax shining brassy, the former with 4 punctures between the eyes; elytra brassy-black, moderately punctured and pilose; thighs reddish, tibæ and tarsi fuscescent; base of the antennæ testaceous, apex fuscescent. (L. 2½ l.) Dung, &c.: Gravesend; Holme; Norfolk: 4-6.
3123 semicuneus Kirby. — Ste. M. v. 243. — Qu. lucidulus Eric. K. i. 495. ? — Black, shining; head with 4 frontal impressions, and, with the thorax, brassy-black; elytra brassy-red; margins of abdominal segments and legs red; hinder thighs dusky; antennae and palpi testaceous. (L. 2½ l.) Dung, &c.: London district; Suffolk; Norfolk: 4-6.

3124 fulvicollis Ste. M. v. 244. — Pitchy-red, shining; head black, somewhat orbiculate; thorax bright glossy tawny-red; elytra pitchy-black, suture and apex paler, finely punctured; abdomen with base of anterior segments blackish; legs pale testaceous; antennae pitchy. (L. 2½ l.) Under stones: Edinburgh: 4-6.

3125 ruficollis Kirby. — Ste. M. v. 244. — Black; head very glossy, somewhat orbiculate; thorax bright red, polished; elytra slightly shining, pitchy, and pubescent; abdomen obscure, tip and edges of the segments red; antennae and legs red. (L. 3½ l.) Dung, &c.: London and Edinburgh districts; Ipswich; Swansea; Carlisle; Devon: 4-6.

3126 sericopterus Ste. M. v. 244. — Deep shining black; head smooth, somewhat ovate; elytra dull pitchy-red, thickly clothed with a silken down, and finely punctured; legs and antennae pitchy-red. (L. 3 l.) Under stones: Gravesend: 9-10.

3127 fumatus Kirby. — Ste. M. v. 245. — Pitchy; slightly pubescent; glossy; head black; narrower than the thorax, somewhat orbiculate; thorax also orbiculate, blackish; elytra reddish, flattish; rather villose; abdomen pitchy-red, paler beneath; legs reddish; antennae red. (L. 3 l.) Under stones: London district; Suffolk; Devon: 4-6.

634 Philonthus Leach.

§ A. Thorax with the disc impunctate.

a. Lateral margins of thorax rounded.


3129 † coxatus Cur. fo. 610. — "Black, smooth, and shining; head and thorax ochreous, the former small, punctured behind; elytra green, punctured and pubescent; abdomen with a purplish tinge; legs griseous, 4 anterior coxae fere griseous. (L. 5 l.)" Cur. l. c. Locality not known.

3130 chaleucus Ste. M. v. 227. — Black; shining; head as wide as the thorax, both very glossy brassy-green, disc of the latter very smooth; elytra brassy, sparingly and rather deeply punctured; legs pitchy-brass; tarsi pitchy. (L. 4½-5 l.) Dung: London district. : 10-6.

b. Lateral margins of thorax slightly waved.

3131 splendens Fab. E. ii. 594. — Ste. M. v. 227. — Deep black, shining; head and thorax highly polished, the former very broad, the latter with its sides slightly waved; elytra greenish-brass, somewhat pubescent, and shining. (L. 5-6 l.) Dung, &c.: London district; Suffolk; Norfolk; S. Wales, &c. ☒.

§ B. Thorax with 4 impressions on the disc, 2 on each side.

3132 äratus Kirby. — Ste. M. v. 228. — Brassy-black, shining; head and thorax polished, the former with 4 punctures, placed transversely on the front, the latter with 4 placed 4-gonally on the disc; elytra brassy, gla-
brassy; legs and antennae black. (L. 5 l.) Dung: London district and Suffolk: 9-4.

§ C. Thorax with 8 discoidal punctures, 4 in each row.

a. Lateral margins of thorax slightly waved.

3133 renesus Grav. Mi. 17. — Ph. puncticollis Ste. M. v. 228. — Black; head and thorax brassy-black, polished, the former somewhat 4-drate, broad, the latter with its sides a little waved, and slightly punctured; elytra brassy-green, and, with the abdomen, delicately punctured, the last with an ashy pubescence; ♀ with the head narrower than the thorax. (L. 3 1/2-3 1/4 l.)


3134 carbonarius Gyll. ii. 319. — Ph. microcephalus Ste. M. v. 229. — Narrow, black, shining; head small, broadly ovate or somewhat 4-drate; thorax with the sides slightly waved, and impressed; elytra brassy-black; abdomen with a greenish tinge, clothed with a black pubescence, and sparingly punctured; the segments sometimes edged with red beneath. (L. 4-5 1/2 l.) Dung: London district. ♀.

b. Lateral margins of the thorax rounded.

1. Elytra metallic, brassy, or blue.

3135 politus L. ii. 683. — Pl. maeuleicorns Kirby. — Ste. M. v. 229. — Black; shining; somewhat greenish above; head ovate, much narrower than the thorax, and, as well as the thorax, highly polished; elytra brassy-black; antennae with the basal joint testaceous beneath. (L. 4-4 1/2 l.)


3136 lucenii Mann. Pr. 28. — Ph. cognatus Ste. M. v. 229. — Broadish; black, with a brassy tinge; head narrower than the thorax, both highly polished; dorsal punctures rather faint; elytra dull brown-brassy, opaque, thickly and finely punctured. (L. 4 1/2-5 l.) Dung: London district: 5-9.

3137 decorus Grav. Mi. 19. — Ste. M. v. 230. — Deep black; head ovate, and, with the thorax, greenish black, the latter broadest; elytra finely punctured, brassy-black, opaque; abdomen with the margins of the segments beneath dull red; legs pitchy-black; tarsi paler. (L. 4-5 l.) Dung and roots of trees: Richmond Park; Darent Wood; Norfolk: 10-6.

3138 cyanipennis Fab. E. S. i. 597. — Ste. M. v. 230. — St. amicus Oliv. E. iii. 42. pl. 4. f. 36. — Glossy-black, shining; head and thorax very smooth; elytra rich violet-blue, slightly punctuated and pilose. (L. 6 l.) S. Wales, near Swansea: 6-9.

3139 atratus Grav. Mi. 21. — Ste. M. v. 232. — Black; shining; head orbiculate, rather narrower than the thorax, the latter somewhat oblong; elytra brassy-green, or bluish, moderately punctured and nearly glabrous; tarsi pitchy. (L. 2 1/2-3 1/2 l.) Dung: London district; Devon; Suffolk: 2-6.

3140 sericeus Ste. M. v. 231. — Broad; brassy-black; shining; head and thorax glabrous, equal in width, the latter with the dorsal impressions large and approximating; elytra rather coarsely punctured; abdomen with a slight silken pile. (L. 4 l.) Dung: London district: 6.

3141 varius Gyll. ii. 321. — Ph. chalcopterus Marsham. — Ste. M. v. 231. — Deep black; shining; head somewhat ovate, narrower than the tho-
raxes, both polished; elytra brassy-green, very glossy; legs pitchy. (L. 2 1/2-3 1/2.)

§ 3. Ph. pilipes Kirby. — Ste. M. v. 231. — Black, shining; head somewhat orbiculate; elytra brassy-black, thickly punctured and slightly pubescent; anterior tibiae, and tarsi, with a pale down beneath. (L. 3 1/2 l.) Dung; London district; Suffolk; Devon: 4-6.


3142 fimetarius Grav. Mi. 175. — Ste. M. v. 232. — Elongate; black, shining; head somewhat orbiculate, narrower than the thorax, polished; elytra pitchy-brass, or greenish, slightly pubescent, finely punctured; legs and palpi pale pitchy-red. (L. 3 1/2 l.) Dung; Hampstead Heath, &c.; Suffolk; Copgrove, Yorkshire; South Wales: 4-6.

3143 lucidus Grav. Mi. 21. — Ste. M. v. 232. — Deep black, shining; head rather narrower than the thorax, somewhat heart-shaped, polished; elytra brassy-black, slightly pubescent; abdomen with the edges of the middle segments reddish; legs and antennae pitchy. (L. 3 1/2 l.) Dung; London district; Fakenham: 4-6.

3144 sordidus Grav. Mi. 176. — Ste. M. v. 233. — Black, shining; head somewhat orbiculate, as wide as the thorax, punctured in front; elytra brassy-green, flattish, with remote deep punctures; legs dull rusty-piceous; tarsi paler. (L. 2 1/2 l.) Dung; London district; Devon: 4-6.

3145 subfuscus Gyll. ii. 226. — Ste. M. v. 233. — Black, shining; head orbiculate, as wide as the thorax, punctured in front; elytra brown brass, very finely punctulated, pubescent; legs dull testaceous; basal joint of the antennae slightly reddish at its origin. (L. 2 1/2 l.) Dung; London district: 4-6.

b. Elytra black, not metallic.

3146 marginatus Fab. E. ii. 597. — Ste. M. v. 233. — Cur. xiii. pl. 610. — Black; head ovate; sides of the thorax and the legs reddish-yellow; edges of the middle segments of the abdomen reddish. (L. 4 l.) Dung; generally distributed. ♀.

§ D. Thorax with the discoidal punctures 5 in each row.

a. Elytra brassy or metallic, not spotted.

3147 varius Olle. E. iii. 27. pl. 5. f. 46.? — Ste. M. v. 234. — Black shining; head somewhat orbiculate, rarely narrower than the thorax; elytra greenish-brown, slightly glossy, and pubescent; legs pitchy-brown. (L. 2 1/4-4 l.)


3148 obscurus Grav. Mi. 174. — Ste. M. v. 234. — Black; rather obscure; head somewhat orbiculate, and, with the thorax, glossy; elytra dull brassy-black, slightly pubescent; legs obscure brownish. (L. 3 l.) Dung; Darent Wood; Suffolk; South Wales: 4-6.

3149 simplex Marsh. i. 505. — Ste. M. v. 234. — Black, somewhat pilose; head orbiculate, and, with the thorax, very smooth and polished; elytra brassy, tomentose; legs pitchy; anterior thighs and coxae reddish. (L. 2 1/4 l.) Dung; London district: 4-6.

b. Elytra black; spotless.

3150 punctiventris Kirby. — Ste. M. v. 235. — Deep black; head and thorax polished; elytra obscurely pubescent; abdomen above and beneath
with a distinct puncture on each segment, on both sides; legs fuscous, anterior coxae reddish. (L. 3 l.) Dung: Suffolk: 4-6.

3151 intaminatus Kirby. — Ste. M. v. 235. — Black; shining; spotless: head orbiculate, narrower than the thorax; elytra rather obscure, slightly pubescent; legs black; antennae brownish at the tip. (L. 3 l.) Dung: London district; Suffolde: 4-6.

3152 aterrimus Marsh i. 513. — Ste. M. v. 235. — Black, very shining; head somewhat heart-shaped, half the width of the thorax, both polished, and smooth; elytra pitchy-black; 4 anterior thighs flattened and pitchy, with testaceous coxae; antennae pitchy at the base.


3153 phaeopus Kirby. — Ste. M. v. 236. — Black; head somewhat orbiculate, rather narrower than the thorax, both polished; elytra pitchy, with a faint brassy tint, very much punctulated, pubescent; abdomen with the extreme tip pitchy beneath; legs pitchy-red, with black coxae; palpi red. (L. 3 l.) Dung: London district; Suffolk: 6.

3154 nitens Grav. Mi. 26.? — Ste. M. v. 236. — Black, shining; head somewhat ovate, and, with the thorax, smooth, and polished; elytra griseous-brown, punctured, and slightly pubescent; legs pale fuscous. (L. 2½ l.) Dung: Wrabness, Essex: 6.

3155 obscuripennis Kirby. — Ste. M. v. 236. — Black; slightly shining; head somewhat heart-shaped, narrower than the thorax, discoidal punctures obscure; elytra with an obscure down, scarcely punctured; legs pale red, with black coxae; antennae longish, with basal joint pitchy. (L. 2½ l.) Dung: London district; Suffolk; Norfolk; Devon; S. Wales: 4-6.

3156 longicornis Kirby. — Ste. M. v. 237. — Black; shining; head somewhat orbiculate; elytra pitchy, slightly pubescent; legs pitchy, anterior coxae dull yellow; antennae long, red at the base. (L. 2½ l.) Dung: London district; Copgrove, Yorkshire: 4-6.

3157 agilis Grav. Mo. 77. — Ste. M. v. 237. — Shining; black; head oblong-ovate, narrower than the thorax, smooth; elytra fuscous, slightly glossy, the apex, more or less, indeterminately dusky-ferruginous; disc roughly punctured; legs fuscous, anterior coxae testaceous. (L. 2½ l.) Dung: London district: 4-6.

3158 ventralis Grav. Mi. 174. — Ste. M. v. 237. — Pitchy-black; shining; head orbiculate, as wide as the thorax; elytra pitchy-black, thickly punctulated; abdomen with the edges of the segments beneath, and the extreme tip, broadly testaceous-red; legs and base of antennae also testaceous-red. (L. 2½ l.) Dung: London district: 6.

c. Elytra black, or faintly brassy; spotted.

3159 lituratus Kirby. — Ste. M. v. 238. — Black; head ovate, and, with the thorax, polished; elytra pitchy, with an obscure red line on the disc, not dilated behind, sometimes nearly obsolete; legs pitchy-black; anterior coxae testaceous. (L. 2½-3 l.) Dung: London district; Suffolk; Devon; S. Wales; Edinburgh: 4-6.

3160 bipustulatus Fab. E. ii. 598. — Pz. F. xxvii. f. 10. — Black; head ovate, and, with the thorax, polished; elytra thickly punctulated, pubescent, each with an obscure blood-red spot on the disc behind; legs black. (L. 3½-3½ l.) Dung: London and Edinburgh districts; Suffolk; S. Wales: 4-6.

3161 aciculatus Ste. M. v. 238. — Slender; black; head orbiculate, and, with the thorax, polished; elytra pubescent, dark pitchy, each with an
obscuré red streak, reaching from the shoulder to the inner apex of the 
suture; anterior thighs testaceous. (L. 3 l.) Dung: London district: 
5-6.

3162 sanguinolentus Grav. Mi. 36. — Ste. M. v. 238. — Black; head some-
what orbiculate, and, with the thorax, polished; elytra obscure, dusky, 
each with a red streak in the middle at the base, and the suture broadly 
red behind; anterior coxae testaceous. (L. 3 l.) Dung, in sandy places: 
Hampstead; Ripley, &c.; Swansea: 5-6.

3163 bimaculatus Grav. Mi. 38. — Ste. M. v. 239. — Black; head somewhat 
ovoate, and, with the thorax, highly polished; elytra brassy-pitchy, 
each with a large obscure testaceous red patch on the disc towards the 
 apex. (L. 3-3 l.) Dung: London district; Suffolk; Devon: 5-6.
d. Elytra red, not spotted.

3164 coruscus Grav. Mi. 33.? — Ste. M. v. 239. — Black; shining; head 
somewhat ovate, narrower than the thorax; elytra bright red, slightly 

§ E. Thorax with 12 discoidal punctures, 6 in each row.
a. Elytra red, spotless.

3165 rubripennis Kirby. — Ste. M. v. 239. — Black; head ovate, and, with 
the thorax, highly polished: elytra bright blood red, spotless, thickly 
punctured and pubescent; legs fuscous; tarsi paler. (L. 3 l.) Dung, &c.: 
London district, at South Lambeth, Camberwell, &c.; Norfolk: 8-9.

b. Elytra black or dusky.

3166 micans Grav. Mi. 25. — Ste. M. v. 240. — Black; head somewhat 
ovote, and, with the thorax, glossy; elytra brown-black, opaque, silky; 
legs testaceous; antennae pitchy at the base. (L. 2 l.) Dung: London 
district; Devon: 5-6.

3167 nigrita Grav. Mi. 68. — Deep black; head ovate, and, with the thorax, 
glossy, the latter with a silken griseous pubescence; elytra very thickly 
and finely punctured; knees pitchy. (L. 3 l.) Dung: London dis-
 trict: 5-6.

§ F. Thorax with 16 discoidal punctures, 8 in each row.

3168 Watsoni Kirby. — Ste. M. v. 240. — Black; shining; slightly pilose; 
head small, orbiculate, and, with the thorax, glossy, the latter with 2 waved 
rows of punctures, 8 in each; elytra brassy. (L. 4 l.) Dung: rare: 
London district; Suffolk; Yorkshire: 5-6.

§ G. Thorax with 10 or more punctures in each row.

f. 7. — Black, rather glossy; head somewhat orbiculate, and, with the 
thorax, thickly punctured on the sides; the latter with 2 rows of 12 distinct 
impressions; elytra finely punctured, pubescent; terminal segment of 
abdomen notched beneath; tarsi pitchy. (L. 3 l.) Dung: Gravesend; 
Norwich: 5-6.

3170 minax Kirby. — Ste. M. v. 241. — Black, with an obscure pubescence; 
head somewhat orbiculate, and, with the thorax, punctured on the sides, 
the latter with a double row of larger impressions on the disc; abdomen 
with the 2 last ventral segments red, the last notched at the tip; legs 
pitchy-black; tibiae and tarsi pale; mandibles longer than the head, fuscous. 
(L. 4 l.) Rare; near Hull and Gravesend: 5-6.

3171 impressedollis Ste. M. v. 436. — Black; shining; elytra with the outer 
half of each obliquely chestnut-red; antennae pitchy; thorax with its

635 Fuciola Leach.

3172 Fuciola Leach. — Cur. ix. pl. 322. — Ste. M. v. 246. — Black; shining; slightly pilose, head large, especially in ♂, flat, irregularly punctured; thorax punctured on the sides, and, with 8 larger punctures, forming 2 rows on the disc; elytra obscure, downy, faintly punctured, dull bluish; legs pale griseous; antennae dusky, the base of the 3 basal joints and the apical one entirely dull red. (L. 2-4½ l.) Beneath putrid fuci. Mount Edgcome; Redcar, Yorkshire; sea-shore, Dalmeny: 5-8.

3173 xantholoma Grav. Mo. 41. — Ste. M. v. 246. — Black; shining; head orbiculate, and punctured on the sides; thorax with a large puncture towards each anterior angle, and 3 others on each side of the disc, forming 2 rows; elytra dull black, with the lateral margins testaceous; abdomen with 2 rather obscure longitudinal villose lines; legs, palpi, and antennae dusky. (L. 3½ l.)

Var. St. lateralis Kirby. — Ste. M. v. 246. — Pitchy-black; elytra dusky, pubescent, the lateral margin dull ochreous; abdomen clothed with a fine down, in certain positions appearing tessellated with ash-colour; legs pitchy-red.

Var. Ca. littoralis Ste. C. No. 3015. — Elytra pale pitchy-brown, with paler margins; abdomen pale on the sides, with tessellated patches of ash-coloured down; legs red.

Var.? Ca. tessellatus Ste. C. No. 3016. — Rather narrow; pitchy, elytra and abdomen pale; the latter prettily tessellated with blackish and ash-coloured down; legs pale red. On the coasts; almost universally distributed: 4-8.

636 Bisnius Leach.

3174 cephalotes Grav. Mi. 22. — Ste. M. v. 247. — Black; head orbiculate, large, wider than thorax; the latter dark pitchy, disc with large punctures disposed in rows; elytra blackish-brass, slightly pubescent; abdomen with the margins of the segments beneath, and the apex, red; legs pitchy, tarsi red; antennae with the 4 basal joints black, remainder ashy-red. (L. 2½-3 l.) On sea coasts. Livingston, Suffolk; Snetisham, Norfolk; and Devonshire: 4-6.

3175 rotundiceps Kirby. — Ste. M. v. 248. — Black, rather shining; head rounded, angles slightly punctured; thorax wider than the head, with 10 deeply impressed punctures, forming 2 rows; elytra slightly pubescent, pitchy-black, with the lateral margin pale; abdomen with the segments beneath broadly red; legs rusty-red; basal joint of antennae red. (L. 2⅔ l.) Coasts of Norfolk and Suffolk: 6.

3176 simplex Leach? — Ste. M. v. 248. — Shining black; head orbiculate, with 6 large punctures; thorax pitchy, with 10 large impressions in 2 rows; elytra thickly punctured, pitchy, the extreme tip reddish, outer edge slightly pale; legs pitchy-testaceous, tibiae and tarsi darker; antennae pitchy, base tawny. (L. 2 l.) Coast of Devon: 3-5.

3177 fusciornis Kirby. — Ste. M. v. 248. — Black, shining; head orbiculate with 12 large punctures; thorax 4-drate, with 10 large impressions in 2 rows, and some smaller ones; elytra with the lateral margins pale at the base; legs fuscous; thighs tawny; antennae fuscous, basal joints red. (L. 2½ l.) Suffolk: 4.

3178 fulvipes Ste. M. v. 249. — Black, shining; head very glossy, with 4 punctures between the eyes, and 2 on the angles; thorax also glossy,
with 8 punctures in 2 rows, the 3 anterior in each row almost touching; abdomen with the extreme edges of the segments pitchy-red; legs light tawny-red, tibiae dusky; antennae dusky, basal joint red. (L. 2½ l.) London district: 4-5.

637 Gabrius Leach.

§ A. Thorax with 10 discoidal punctures, 5 in each row.

3179 suaveolens Kirby. — Ste. M. v. 249. — Black; rather shining; head oval, punctured on the sides; thorax somewhat pitchy behind, sides punctured; elytra obscure dull pitchy, thickly punctured; abdomen pitchy beneath, the margins of the segments paler; legs and palpi testaceous; antennae pitchy, basal joints testaceous. (L. 2½ l.) On banks of rivers: Lea, at Hertford; Gipping, near Ipswich: 5-6.

3180 pygmaeus Kirby. — Ste. M. v. 250. — Black, rather shining; head oblong, rather wider than the thorax, with a puncture on each side near the eyes; thorax oblong, minutely punctured on the lateral margins; elytra punctulate, shining, nearly glabrous; legs and basal joints of antennae pitchy. (L 1½ l.) Boleti: London district; Norfolk; Suffolk; Devon: 6-8.

3181 pœopus Ste. M. v. 250. — Black; shining; head oblong-ovate, minutely punctured on the sides, thorax the same, with the usual impressions very small; elytra nearly glabrous; legs and antennae fuscous. (L. 1½ l.) Banks: London district; New Forest: 4-6.

3182 nanus Grav. Mo. 96. — Ste. M. v. 251. — Black; shining; head large, punctured on the sides; thorax a little narrowed behind, with the usual lateral punctures; elytra dusky-piceous, margins rather paler, moderately punctured; margins of abdominal segments broadly pale testaceous; legs and base of antennae testaceous. (L. 1½ l.) Banks, &c.: London district: 5-6.

3183 albipes Ste. M. v. 252. — Pitchy-black; head glossy, ovate, with minute lateral punctures; thorax reddish, with some scattered impressions on the sides; elytra pale pitchy, or testaceous; legs, base of antennae, and mouth, pale testaceous. (L. 1½ l.) Banks: London district: 3-5.

3184 ventralis Kirby. — Ste. M. v. 252. — Pitchy-black, shining; pilose; head and thorax somewhat 4-drate, and thickly punctured on the sides; elytra slightly pilose; abdomen linear, pitchy-red beneath; legs, 3 basal joints of antennae, mouth, and palpi red. (L. 2½ l.) Banks: London district; Bristol; Suffolk: 4-6.

3185 vernalis Grav. Mo. 75. — Black; shining; head ovate, rather narrower than the thorax, which is oblong, both punctured on the sides; elytra pitchy-brown, opaque; legs, base of antennae, and mouth, testaceous-red. (L. 2½ l.) Under stones, &c.: London district: 3-5.

§ B. Thorax with 12 discoidal punctures, 6 in each row.

3186 aterrimus Grav. Mi. 41. — Ste. M. v. 250. — Black; shining; head oblong-ovate, its sides and those of thorax punctured; elytra nearly glabrous, punctulated; legs pitchy-testaceous; antennae pitchy-black, with the base pitchy. (L. 1½-2 l.) Banks of rivers, &c.: Battersea fields; Bristol; Ipswich: 4-6.

3187 pallipes Kirby. — Ste. M. v. 250. — Black, rather shining; head rather oblong; mouth pitchy; elytra pitchy, nearly glabrous, punctulated; abdomen pitchy-black, margins of the segments and the apex dull reddish; legs pale testaceous; base of antennae and palpi red. (L. 2½ l.) Norfolk; Suffolk: 4-6.

3188 basalis Ste. M. v. 251. — Black; shining; head oblong, faintly punc-
tured on the sides; elytra nearly glabrous, distinctly punctured; abdomen with the extreme edge of the segments pitchy; thighs pale testaceous, tibiae and tarsi dusky; antennæ pitchy, base testaceous. (L. 1½ l.) London district: 6.

3189 villosulus Kirby. — Ste. M. v. 251. — Black, slightly pubescent; head somewhat heart-shaped, rather wider than thorax, sides and base punctured; elytra reddish-pitchy; finely punctured; abdomen with the edges of the segments and the apex red-pitchy; legs and antennæ testaceous. (L. 1½ l.) Banks: Suffolk: 6.

3190 attenuatus Leach. — Ste. M. v. 251. — Slender; pitchy-black, shining; head oblong, faintly punctured; thorax rather obscurely punctured; elytra dull pitchy punctulate; tip of abdomen, legs, and antennæ testaceous. (L. 1½ l.) Banks: Battersea fields; Devon: 2-4.

§ C. Thorax thickly punctured on the sides, disc smooth.

3191 cinerascens Grav. Mi. 49. — Ste. M. v. 252. — Black; shining; head somewhat 4-dràte, thickly punctate; thorax oblong, rather closely punctulate, with a smooth dorsal line; elytra dull fuscous, opaque, slightly pubescent, very finely and thickly punctulate; legs and base of antennæ red. (L. 1½ l.) Banks, &c.: London district; Suffolk; Devon: 3-5.

3192 semipunctatus Kirby. — Ste. M. v. 252. — Black; slightly pubescent; shining; head and thorax oblong-oblong, sides thickly punctured, disc smooth; elytra pitchy or reddish, finely punctured; legs pitchy-red, tibiae and tarsi paler; base of antennæ red. (L. 2 l.) Stones, &c.: London district; Suffolk: 3-6.

638 Heterothops Kirby.

3193 binotatus Grav. Mi. 28. — Ste. M. v. 257. — Black; or pitchy; head and thorax very glossy, the former ovate, the latter with 2 dorsal punctures on each side, and a deeper one in front near the anterior angle; elytra pilose, pitchy, lateral margins paler, apex testaceous; tip of abdomen and margins of its segments, and legs, red; antennæ reddish, base paler. (L. 1½-2½ l.)


Var.? He. Kirbiellus Ste. M. v. 257. — Black, shining; elytra opaque, the extreme tip pitchy; legs and antennæ testaceous-red. On sea coasts: Norfolk; Suffolk; Yorkshire; Swansea; Ryde; Sussex: 5-7.

639. Remus Holme.

3194 sericeus Ent. Tr. (Holme), ii. 64. — Dull black, with a golden pubescence on the elytra and abdomen; mouth red; head and thorax rather deeply punctured, the latter with a raised dorsal line; elytra flat, minutely and thickly punctured; abdomen punctured; legs and antennæ pitchy-red, or red. (L. 2½ l.) On the beach; Ryde; St. Mary's, Scilly: 6-7.

640 Othius Leach.

3195 fulvipennis Fab. E. ii. 609. — Pz. F. xxvii. f. 23. — Ot. fulgidus Ste. M. v. 253. — Glossy-black; head ovate, with scattered punctures; thorax rather smooth, with 6 large punctures on each side; elytra red, punctulated; tip of abdomen, legs and antennæ red. (L. 5-5½ l.) Woods and gardens; Hampstead; Swansea; Marton; Edinburgh: 8-10.

3196 pilicornis Ph. F. iii. 379. — Ste. M. v. 254. var. — Black; shining; head ovate, wider than the thorax, pitchy-black; thorax longer than the head; elytra smooth, pitchy-black, with an obscure stria near the suture, legs and antennæ pitchy, the latter pilose: — abdomen sometimes red, with
a black ring towards the apex. (L. 3½ l.) Under bark of pines, &c.: Dorking; Windsor: 5-6.

3197 alternans Grav. Mi. 48. — Ste. M. v. 254. — Slender, filiform; shining red; head black, somewhat 4-drate; thorax narrower than the head; elytra black, glossy, impunctate; abdomen with a black belt towards the apex, which, with the legs and antennae, is red, the latter slightly pilose: (L. 3-4 l.) Under bark, &c.: London and Edinburgh districts; Marton: 5-6.

3198 glabricornis Kirby. — Ste. M. v. 254. — Slender, red; shining; glabrous; head somewhat heart-shaped, wider than thorax; black; thorax oblong, angles slightly rounded; elytra black, reddish at the tip, smooth; abdomen with a black belt towards the apex; antenna thickened at the tip, glabrous. (L. 2½ l.) Under bark of Scotch fir: London district; Swansea: 5-6.

3199 melanocephalus Grav. Mo. 107. — Ot. angustus Kirby. — Ste. M. v. 255. — Pitchy, shining; slightly pilose; head somewhat ovate, scarcely narrower than the thorax, black; thorax very smooth, rusty-red; elytra rather shorter than thorax, punctured; legs and antennae testaceous; the latter pilose. (L. 2-2½ l.) Under bark: London and Edinburgh districts; Bristol: 5-6.

3200 atr Ste. M. v. 255. — Black; shining; head ovate, and, with the thorax, smooth; elytra dull black, finely punctured; abdomen obscure, its tip reddish; legs and antennae rusty-piceous. (L. 3½ l.) Norfolk: 6.

3201 ustulatus Grav. Mi. 46. — Ste. M. v. 255. — Slender, glossy, black; head smooth, with a few lateral impressions; thorax a little narrowed behind; elytra slightly punctured, black, with the lateral margins and apex red; tip of abdomen, legs, antennae, and palpi red. (L. 3-3½ l.) Under bark, &c.: London district: 6.

3202 laeviusculus Kirby. — Ste. M. v. 255. — Black; shining; head finely punctured on the sides; thorax very smooth; elytra punctured, pitchy, sides and apex paler; tip of abdomen reddish; 4 anterior legs testaceous, posterior and anterior dull red. (L. 2-3 l.) Under bark: London district; Suffolk; Swansea: 5-6.

3203 obscurus Leach. — Ste. M. v. 256. — Black, somewhat obscure; head nearly ovate; elytra rather pitchy, punctulated, the punctures disposed a little in striae; apex of abdomen, tibie, and tarsi pitchy red; thighs and base of antennae pitchy. (L. 3½ l.) Banks of Plym, near Ashburton: 6.

3204 subiliformis Grav. Mi. 29. — Ste. M. v. 256. — Pitchy-red; head orbiculate, dusky; thorax very glossy, smooth; elytra much punctured, slightly pubescent, and glossy; tip of abdomen pale pitchy; legs dull pitchy; antennae short, dull red, with the base brighter. (L. 2½ l.) Banks: London district; Suffolk: 5.

3205 Scoticus Kirby. — Ste. M. v. 256. — Deep black; head and thorax polished; elytra, tibie, tarsi, and antennae pitchy; head orbiculate. (L. 4 l.) Scotland.

641 Xantholinus Dahl.

3206 fulgidus Fab. E. ii. 609. ?—St. pyropterus Grav. Mo. 102. — Ste. M. v. 258. — Deep black, very glossy; head oblong-ovate, deeply and thickly punctured; thorax smooth, with a short bent stria on the edge of each side; elytra bright blood red, with a single punctured stria; tarsi red; antennae reddish, 3 basal joints pitchy. (L. 4½ l.) London district: 8-4.

3207 glabrus Grav. Mi. 178. — Gy. eructatus. Marsh. i. 516. — Ste. M. v. 260. — Black, shining; elytra blood-red, sides of the head and of the thorax punctured, the disc of the latter with 4 rows of large impressions; tarsi red; antennae pitchy; palpi reddish. (L. 3½-6 l.) Under stones &c.: London district; and generally distributed: 10-4.

3208 tricolor Ph. F. iii. 378. — Ste. M. v. 261. — Testaceous red; shining; head pitchy-black; sides punctured; thorax rusty-red, disc sometimes
fuscescent, sides punctured, the inner punctures disposed in a straight line of 12 large impressions; elytra and legs testaceoue; abdomen above dusky or black. (L. 41 l.)

Var. St. affinis Marsh. i. 527. — Ste. M. v. 261. — Pitchy; thorax with the base or entire disc black; abdomen pitchy, edges of the segments paler, Banks, &c.: London district; Norfolk; Suffolk; Devonshire; S. Wales: 4-10.

3209 punctulatus Ph. F. iii. 380. — Ste. M. v. 262. — Black, shining; head densely and roughly punctured, especially on the sides, front rather smooth, with 12 grooves; thorax with the dorsal rows with 5-12 punctures; elytra pitchy-brass, punctured, the punctures somewhat disposed in striae; tarsi and palpi red. (L. 3-3½ l.)


3210 angustatus Kirby. — Ste. M. v. 263. — Black, shining; head punctured throughout; forehead with 2 grooves; thorax with the dorsal rows with 8-10 punctures; elytra punctured, the punctures somewhat disposed in striae on the sides; legs and antennae pitchy. (L. 3 l.) Dung, &c.: London district; Suffolk: 6.

3211 quadratus Kirby. — Ste. M. v. 260. — Black; head oblong, with confluent excavated lines; thorax punctured on the sides, and the dorsal series with 10-12 punctures; elytra punctured; tip of abdomen reddish; legs and antennae dusky- or pitchy-black; palpi dull red. (L. 3 l.)

Stones: London district; Suffolk: 6.

3212 linearis Fab. E. ii. 599. — Olive. F. iii. 42. pl. 4. f. 38. — Ste. M. v. 261. — Glossy-black; head and thorax brassy-black, punctured on both sides, the latter with 12 large punctures forming 2 rows on the disc; elytra pitchy-brass; legs and antennae pitchy. (L. 3½ l.)

Var.? St. longiceps Grav. Mi. 177. — Ste. M. v. 262. — Head and thorax pitchy, with a faint brassy tinge; elytra dull red. Moss, &c.: London district, and generally distributed: (.) *

3213 parumpunctatus Gyll. iv. 481. — Ste. M. v. 262. — Shining; black; glabrous; head large, with 4 short frontal channels; its sides and those of the thorax punctured, the disc of latter with 2 rows of 5 impressions each; elytra pitchy, punctured, the punctures disposed in striae on the sides; tip of abdomen pitchy; legs and antennae dull red. (L. 3 l.)

Var.? Gy. semistriatus Kirby. — Ste. M. v. 262. — Forehead with 2 distinct bent, furrows and 2 obscure ones; elytra pitchy, the outer angles paler; legs, antennae, and mouth red. Stones: London district: 4-6.

3214 lentus Grav. Mo. 101. — Flattish; black; shining; head somewhat 4-drate, thickly punctured on each side; thorax more sparingly punctured; the dorsal rows with 7-8 punctures, elytra and legs testaceoue-brown. (L. 3½ l.) Stones: London district: 4-6.

3215 rotundicollis Kirby. — Ste. M. v. 259. — Black, shining; head smooth, with 2 frontal channels; thorax rather oblong, smooth with 4 longish impressions on the disc, and others on the sides; elytra testaceoue-red; dusky at the base towards the suture; tip of abdomen and tarsi red; legs and basal joints of antennae pitchy, rest of the antennae pale red. (L. 3½ l.) Stones: Bristol; Suffolk: 6,

3216 apicalis Kirby. — Ste. M. v. 260. — Deep black; glossy; head with 4 deep frontal channels; thorax with some scattered punctures on the sides, and larger ones on the disc, forming 4 rows; elytra nearly smooth, the apex pitchy-red; legs pale; antennae pitchy, base pale. (L. 3 l.) London district, and Norfolk: 6.

3217 procerulus Grav. Mo. 95. ? — Ste. M. v. 264. — Black, shining; head
somewhat 4-drate, thickly punctured on the sides, the forehead with 4 obscure grooves; thorax with numerous scattered punctures; elytra slightly pilose, punctured, pubescent, the apex paler; two apical segments of the abdomen pitchy; legs pitchy-testaceous; antennae and palpi fuscous. (L. 3 l.) London district: 6.

642 LEFTACinus Erichson.

3218 batychrus Knoch. — Gyll. iv. 480. — Ste. M. v. 263. — Black; shining; head large, punctured, with 4 frontal channels; thorax with the dorsal rows 12-16 punctate; elytra pitchy, the outer apical angles paler, somewhat punctate-striate; legs and antennae dull ferruginous; base of the latter pitchy. (L. 2\(\frac{1}{2}\) l.)


3219 diapanaus Marsh. i. 514. — Ste. M. v. 259. — Black; shining; head broad, ovate, punctured, with 4 frontal channels; thorax rather round behind; sides punctured, the dorsal rows with 16-20 punctures; elytra pale testaceous, diaphanous, obscurely punctate-striate; legs and antennae dull red. (L. 2\(\frac{1}{2}\)-3 l.)

Var.? Gy. longicolllis Kirby. — Ste. M. v. 259. — Very black; elytra pitchy, the outer apical angles pale; legs and antennae dusky. London district; Suffolc; York: 4-6.

3220 sulcifrons Kirby. — Ste. M. v. 260. — Deep black, shining; head oblong, punctured, with 4 deep grooves on the forehead; thorax rather narrowed behind, with 4 rows of punctures on the disc; elytra rather smooth; legs and antennae pitchy. (L. 2 l.) London district; Suffolc; Norfolk; Devon: 4-6.

3221 pusillus Ste. M. v. 264. — Black, shining; sides of the head thickly punctured, disc smooth, with 4 obscure frontal grooves; thorax oblong, sides punctured, dorsal rows with about 5-8 punctures; elytra dull pitchy-black, punctured and slightly pubescent; abdomen with the edges of the segments reddish; legs, antennae, and palpi pale. (L. 1\(\frac{1}{2}\) l.) Stones: London district: 6.

643 Cryptobium Mannerheim.

3222 fracticorne Ph. F. iii. 430. — Ste. M. v. 271. pl. xxvii. f. 1., a.—f.— Black; shining; head elongate, narrower than the thorax, moderately punctate; thorax elongate, more thickly punctured, the punctures disposed in 2 somewhat regular lines, the space between smooth; legs testaceous; antennae pitchy-brown, basal joint black. (L. 2 l.) Grassy places: Battersea fields: 2-4.

644 Achenium Leach.

3223 humile Nic. A. II. 38. — Ac. depressum Cur. iii. pl. 115. — Ste. M. v. 265. — Black; nearly glabrous; head distinct, as wide as the thorax, the latter very glossy, sparingly punctured on the sides, and with 2 dorsal rows of impressions, the intermediate space smooth; elytra flathish, apex and that of the abdomen, with the margins of the segments, the legs and antennae, testaceous: — elytra sometimes testaceous, with the base of suture and the outer apex dusky-brown. (L. 3\(\frac{1}{2}\)-4 l.)

Var.? Ac. depressum Grav. Mi. 182. — Shining black; head 4-drate, smooth, testaceous: thorax finely punctured on the sides; elytra flat, red, with the base black, the disc thickly punctured, the punctures somewhat disposed in striae; apex of abdomen above brownish; legs red, huder thighs and tips of the others, and the antennae, brownish. (L. 3\(\frac{1}{2}\) l.) Grassy places: about London; in Copenhagen fields; banks of Orwell: 1-6.
405 Lathrobiurn.  

3224 quadratum Pl. M. S. 29. — Ste. M. v. 266. — Deep black, slightly pilose and shining; finely punctured; thorax somewhat 4-drate; elytra slightly glossy; abdomen obscure, with long anal styles: legs and antennae pitchy, or testaceous. (L. 3 1/2 l.)

Var. La. terminatum Grav. Mi. 53. — Cur. xiv. pl. 650. — Elytra with a red spot at the tip, legs, and base and apex of antennae, testaceous. Damp places: Battersea fields; Isle of Sheppy, Rochester; Norfolk; Suffolk; Crondam: 1-6.

3225 brunnipes Fab. E. ii. 609. — Ste. M. v. 266. — Black, shining; punctured; thorax oblong; elytra concolorous, slightly pubescent; faintly punctured; legs testaceous; mouth and antennae red; anterior thighs and tibiae slightly toothed. WithValue with the penult. segment of abdomen broadly and deeply notched; ♀ with a notch on each side of the same segment, and a central lacinia, rounded at the tip. (L. 3 1/2 l.) Under stones, &c.: London and Edinburgh districts; generally diffused: 10-4.

3226 atriceps Kirby. — Ste. M. v. 267. — Dull red; punctulated; head somewhat ovate, black; glabrous; shining; thorax dark rust-colour, with a smooth dorsal line; elytra tawny, base dusky; abdomen obscure; legs tawny, anterior thighs with a single tooth; antennae dull red, tip paler. (L. 3 1/2 l.) Under stones: London district; Norfolk; York: 10-4.

3227 elongatum L. ii. 685. — Pz. F. ix. f. 12. — Ste. M. v. 267. — Black; shining; punctured: head somewhat 4-drate; thorax oblong, with a smooth dorsal line; elytra behind, legs and antennae, dull red, the former thickly punctured; anterior thighs and tibiae with a tooth. WithValue with the 6th segment of the abdomen with 2 channels, and notched; ♀ with it entire and rounded. (L. 4 l.) Under stones: London district, and widely distributed: 10-4.

3228 fulvipenne Grav. Mo. 104. — Ste. M. v. 267. — Black; shining; punctured; head somewhat heart-shaped; thorax oblong, with a minute smooth dorsal line; elytra as long as the thorax, flattish, testaceous-yellow, dusky at base, slightly pubescent; legs red; anterior thighs obscurely toothed. WithValue with penult. segment of abdomen notched beneath, but not impressed, ♀ with it conic and entire. (L. 3 1/2 l.) Stones, &c.: London district; Rochester; Suffolk: 4-6.

3229 ruifipenne Gyll. iii. 704. — Ste. M. v. 268. — Black; slightly shining; punctured; head and thorax oblong, the latter with a narrow smooth dorsal line; elytra longer than the thorax, convex; bright red, with the base black; antenna and legs testaceous. WithValue with the penult. segment of the abdomen beneath with 3 notches, of the ♀ entire, rounded. (L. 3 1/2 l.) Under stones: London district: 10-4.

3230 ochraceum Marsham. — Ste. M. v. 268. — Black, shining, sparingly punctured; head somewhat heart-shaped; thorax oblong, with a narrow smooth dorsal patch; elytra pale ochreous, minutely punctured; penult. segment of abdomen rather broadly edged with testaceous; legs pale ochreous; antennae pitchy. (L. 3 1/2 l.) Stones: London district: 10-4.

3231 punctatostriatum Kirby. — Ste. M. v. 268. — Filiform; black; slightly shining; glabrous; punctured; head somewhat heart-shaped; thorax oblong, with a smooth dorsal line; elytra rather convex, chestnut, deeply punctured, the punctures disposed in close striae; abdomen pitchy beneath; legs testaceous-red; anterior thighs and tibiae with a small tooth, antennae and palpi red. (L. 3 1/2 l.) Under stones. London district; Dover; Bristol; Devon; Suffolk: 10-6.

3232 punctulatum Mann. Pr. 37. — Ste. M. v. 269. — Black, slightly shin-
ing; thickly punctured; head somewhat heart-shaped; thorax oblong, with a faint smooth dorsal line; elytra rather obscurely punctured, the apical half bright testaceous red; tip of abdomen pitchy; legs, antennae, and mouth red. (L. 3½ l.) Under stones: London district: 10-4.

3233 multipunctatum Grav. Mi. 52. — Pitchy, or pitchy-red, shining; head and thorax oblong, thickly punctured; the latter with a smooth dorsal line; elytra slightly convex, pitchy-red, or brown; base darker, deeply punctured, the punctures disposed in lines towards the suture; legs, tip of abdomen, mouth, and antennae testaceous; anterior thighs and tibiae with a small tooth. (L. 3½ l.) Under stones, &c.: London district: 10-4.

3234 filiforme Grav. Mi. 134. — La. lineare. — Ste. M. v. 269. — Linear-elongate, black; slightly shining, punctured; head somewhat ovate; thorax oblong; elytra rather shorter than the thorax, pitchy, punctured, the punctures somewhat disposed in striae towards the suture; legs pitchy; antennae dull pitchy-red. (L. 2½ l.) Damp places: London district, and generally distributed: 10-6.

3235 longulum Grav. Mi. 53. — Ste. M. v. 270. — Linear-elongate, pitchy-black, shining; head and thorax oblong, distinctly punctured; the latter with a smooth dorsal line; elytra flat, obscurely punctured; abdomen with the extreme tip pitchy-red; legs, antennae, mouth and palpi dull red; anterior thighs with an obscure tooth. (L. 1¾ l.) Under stones: London district; Suffolk: 10-4.

3236 foveatum Ste. M. v. 270. — Pæ. lávigatus Gyll. iv. 483.? — Pitchy-black, somewhat shining, very finely punctured; head rather heart-shaped, thorax somewhat elongate-4-drate, with a deep fovea on each side near the base; elytra very finely punctured, the extreme tip slightly edged with chestnut; legs and antennae pitchy testaceous. (L. 2 l.) Stones: London district: 10-4.

3237 nanum Ste. M. v. 270. — Narrow; pitchy-black; slightly shining, finely punctured; head and thorax elongate; elytra slightly pubescent, with a few scattered punctures, the tip reddish; apex of abdomen, legs and antennae, pitchy-red. (L. 1¾ l.) Under stones: London district: 3-4.


Fam. 78. STENIDÆ Mac Leay.

dexli. MEDON Head large, 4-drate: eyes minute: tho. somewhat 4-drate, as wide as the head: elytra obliquely truncate towards the suture; abdomen with terminal segment long; legs slender; tarsi simple: labrum with a central notch: mandibles internally 4-dentate.

dexlii. SUNIUS Head moderate, somewhat 4-drate: eyes small; tho. flat, nearly 4-drate: elytra flat: abdomen with penult. segment longest: tarsi simple: labrum entire: palpi filiform.

dexliii. ASTENUS Head large, somewhat orbiculate: eyes small, rather prominent: tho. small, nearly orbiculate, flattish: abdomen linear, obtusely truncate at tip: tarsi with 4th joint bilobed, anterior slightly dilated.

delix. RUGILUS Head large, orbicular: eyes small: tho. small, considerably narrowed in front: abdomen broad; penult. segment longest, apex obtuse: tarsi entire: labrum with 2 prominent teeth in front: palpi somewhat clavate.

del. PÆDERUS Head large, orbicular: eyes small: tho. very convex, obovate, as large as the head: abdomen with penult. segment longest; the terminal in
the ♀ with 2 pilose styles: legs long, slender; tarsi with 4th joint bilobed, anter. dilated.

deli. DIANOIS Head large, somewhat 3-angular: eyes moderate, prominent tho. elongate-cylindric, notched: abdomen margined, its apex with 2 long naked seta: tarsi with 4th joint slightly bilobed: labium not elongated.

deli. STENUS Head very large, somewhat 3-gonate: eyes very large and prominent: tho. elongate-ovate: abdomen convex, its apex simple: tarsi with 4th joint slightly bilobed: labium elongate, retractile.

deliiii. EVASTHETUS Head large, 3-angular-orbiculate: eyes globose, prominent: tho. obcordate, foveolated: body linear, somewhat cylindric: tarsi entire: ant. elavate: max palpi long, 3-jointed.

646 MEDON Stephens.


3240 brunneus ERIC. K. i. 513. — Pale pitchy-red; head oblong, very thickly punctured; disc of thorax thickly, sides sparingly punctured; elytra rather larger than the thorax, finely punctured. (L. 2 l.) Banks: London district: 6.

647 SUNIUS Leach.

3241 melanoecephalus FAB. E. ii. 610. — Ste. M. v. 274 — Shuck. B. C. pl. 18. f. 2. — Filiform; black, shining, rather thickly punctured; thorax red, minutely punctured; elytra pitchy; legs tawny; antennae and palpi red. (L. 1½-1⅓ l.)


3242 unicolor Rudder. — Slender; dull fuscous-black, opaque; legs, palpi, and antennae slightly piceous. (L. 1½ l.) Banks: Ryde: 6.

3243 marginalis Stephens. — Slender; fuscous-black, opaque; legs, palpi, antennae, tip of the abdomen and edges of its segments, pitchy-red. (L. 1½ l.)

Banks: London district: 5-6.

3244 ochraceus Gray. Mi. 59. ? — Ste. M. v. 275. — Pitchy-red; head black; elytra pubescent, smooth; legs pale testaceous; palpi and antennae red. (L. 1½ l.) Under stones. London district; Bristol; Suffolc: 4-6.


648 ASTENUS De Jean.

3246 brunneus Kirby. — Ste. M. v. 276. — Red-brown; obscure; slightly pubescent; minutely punctured; head dusky; eyes black; thorax with a faint dorsal ridge; elytra flattish towards the suture, rather coarsely punctured; legs, palpi, and antennae dull red. (L. 1½-2½ l.) Roots of grass: Battersea fields; Levintgton, Suffolk: 4-6.

3247 angustatus Fab. E. ii. 559. — Don. xvi. pl. 573. f. 1. — Ste. M. v. 276. — Black, obscure; thickly punctured; head orbiculate, narrowed in front; elytra with the tip testaceous; legs and antennae testaceous-yellow. (L. 1½ l.) Damp meadows; widely distributed: 4-6.

3248 immaculatus Kirby. — Ste. M. v. 276. — Black; obscure, glabrous; finely punctured; head somewhat orbiculate; elytra spotless; abdomen with the edges of the segments above and below pale yellow; legs and antennae paler yellow. (L. 1½ l.) Grassy places: London district: 1-4.
3249 dimidiatus Kirby. — Ste. M. v. 277. — Narrow; black; obscure; glabrous; head 3-angular, chestnut; thorax also chestnut, narrowed in front; with a faint dorsal ridge; elytra rather convex and punctulated; legs and antennæ testaceous; palpi red. (L. 1½ l.) Grassy places: London district; Suffolk: 4-6.

3250 sulcieollis Kirby. — Ste. M. v. 277. — Black; shining; head somewhat orbiculate, thorax reddish, with a short excavated line towards the hinder margin; elytra punctured, spotless; abdomen with the edges of the segments reddish; legs and antennae also reddish. (L. 1½ l.) Damp grassy places: Dover and Winchelsea: 6-8.

649 Rugilus Leach.

3251 orbiculatus Fab. E. ii. 609. — Pz. F. xliii. f. 21. — Ste. M. v. 278. — Black; obscure; glabrous; minutely rugose-punctate; thorax with a slightly raised smooth line; elytra pitchy-black, with the tip and the legs testaceous; antennæ and palpi brown. (L. 2-2½ l.) Var. Pæ. immannis Kirby. — Ste. M. v. 278. — Elytra with the apex colorous; legs and antennae brown. Under stones, &c.; generally distributed:.

3252 punctipennis Kirby. — Ste. M. v. 278. — Black; slightly pilose; minutely punctured; head large, orbiculate; thorax with a very obscure raised dorsal line; elytra brassy-black, spotless; legs testaceous, tips of the 4 hinder thighs dusky; antennæ and palpi red. (L. 2-3 l.) Under stones, &c.; London district; Suffolk; Devon: 1-6.

3253 † fragilis Grav. Mi. 140. — Cur. iv. pl. 168. — Ste. M. v. 278. — Black; rather shining; finely punctured; thorax bright red, or testaceous, with a smooth dorsal channel; elytra pitchy, the extreme edge reddish; legs pale red; antennæ pale testaceous, the tip brighter. (L. 2½ l.) Moss, &c.; Walthamstow; Epping Forest; New Forest; Humby, Lincolnshire: 1-6.

650 Pederus of Authors.

3254 littoralis Grav. Mi. 61. — Pæ. riparius Olie. E. iii. 44. pl. 1. f. 2. — Don. v. pl. 167. — Ste. M. v. 280. — Wingless; robust; shining red; head, mandibles, apex of abdomen, breast, hinder coxae, and knees black; elytra blue, or greenish, coarsely punctured; thorax glabose, somewhat orbiculate; antennæ fuscous, base and apex testaceous. (L. 3½-4 l.) Roots of trees, grass, moss, &c.; London district, in Richmond Park, and at Ripley abundant; widely dispersed:.

3255 riparius L. ii. 684. — Pz. F. ix. f. 11. — Pæ. littoralis Ste. M. v. 279. — Shining red; head, apex of abdomen, breast, and tips of thighs black; elytra blue or greenish, rather coarsely punctured; thorax oblong; antennæ black, with the base testaceous; mandibles and coxae red. (L. 3½-4 l.) On borders of large rivers: near Southampton; Devon; Carlisle; Cambridge:.

3256 longipennis Eric. K. i. 517. — Shining red; head, apex of abdomen, breast, and tips of thighs black; elytra elongate, blue, coarsely punctured; thorax oblong, with the sides parallel; antennæ black, with the 3 or 4 basal joints pale red; tips of tibiae and of tarsi blackish: mandibles pitchy. (L. 3½ l.) Banks: London district; Hants: 4-8.

3257 fuscipes Cur. iii. pl. 108. — Ste. M. v. 280. — Shining red; head, tip of abdomen, breast, and apex of thighs black; tibiae and tarsi pitchy-brown; elytra dark blue or deep green; coarsely punctured and shortish; thorax oblong; mandibles and coxae bright red; antennæ black, the base testaceous. (L. 2-3 l.) On bushes: Clandon Common; New Forest: 5-6.
3258 ruficollis *Fab. E. ii. 608.* — *Pz. F. xxvii. f 22.* — *Ste. M. v. 281.* — Black; slightly shining; head bluish-black; thorax bright red, very convex; elytra deep blue, coarsely punctured; legs and antennae black; basal joint of the latter testaceous beneath. (L. 3 l.) On the coasts: Swansea and Barnmouth: 5-7.

3259 sanguinicolis *Ste. M. v. 281.* — Violet, shining; head orbiculate, punctured; thorax bright red, obcordate; elytra bright blue, thickly punctured; abdomen black, its apex bluish; legs and antennae wholly black. (L. 3 l.) North coast of Devon and coast of Glamorganshire: 6.

651 Dianoüs *Leach.*

3260 cerulescens *Gyll. ii. 463.* — *Cur. iii. pl. 107.* — Di. rugulosus *Ste. M. v. 436.* — Blue-black, rather obscure, punctured, clothed beneath with a whitish down; elytra each with a round central tawny red spot; legs long; tibiae, tarsi, and antennae black. with the penult, segment of the abdomen deeply notched. (L. 2-2½ l.) Damp places: Southgate; Hastings; Spitchwick and Woodland, Devon; Roslyn Castle and banks of Annan, &c.: 5-9.

652 Stenus *Latreille.*

§ A. Abdomen margined. a, Elytra spotted.

3261 bimaculatus *Gyll. ii. 466.* — *Ste. M. v. 301.* — Black; thickly and deeply punctured, and with a scanty whitish pile; thorax with a deep dorsal furrow; elytra with a round tawny spot; legs tawny; knees and tarsi black; palpi luteous, tip dusky. (L. 3 l.) In damp places: London district; Yorkshire: 5-6.

3262 biguttatus *L. ii. 685.* — *Samou. pl. 4. f. 13.* — *Ste. M. v. 302.* — Black, with a brassy tinge; very thickly and deeply punctured; with a delicate silvery pile; thorax with a short basal impression; elytra with a round yellow dot; legs black; antennae pitchy; palpi ochreous, with the tip black. (L. 2-2½ l.) Damp places: Hertford; Ripley; Suffolk; Norfolk: 5-6.

3263 guttula *Ger. M. (Müll.) iv. 225.* — *St. Kirbii *Leach.* — *Cur. iv. pl. 164.* — *Ste. M. v. 302.* — Black; densely and deeply punctured, clothed with a thick golden-ashy pile; thorax with the disc uneven; elytra coarsely punctured, with a round ochreous spot; legs ochreous; tips of thighs, tibiae, and tarsi, and base of tibiae, dusky-black; palpi pale, with the tip dusky. (L. 1¼-2 l.) On the banks of the Croydon canal; in Yorkshire; Devon; Suffolk: 5-6.

3264 bipunctatus *Kirby.* — *Ste. M. v. 302.* — Black, with a brassy tinge; closely and deeply punctured, with a dense whitish pile; thorax with an obscure channel; elytra impressed behind the suture, coarsely punctured, with a tawny central dot; legs black, base of thighs and the tibiae luteous. (L. 1½-2 l.) Damp places: Coombe Wood; Norfolk; Suffolk; Carlisle; Devon: 5-6.

3265 bipustulatus *L. ii. 685.* — *Ste. M. v. 303.* — Black, glabrous, rather obscure; thickly and coarsely punctured; thorax with a basal impression; elytra flatish near the suture, coarsely punctured, with a round rusty dot in the middle; legs black; base of palpi testaceous. (L. 2½ l.) Damp places: Hampstead; Hertford; Lancashire; Swansea: 5-7.

3266 bimaculatus *Stephens.* — *St. binotatus *Kirby.* — *Ste. M. v. 303.* — Black, slightly punctured, with a pale ashly pile; thorax narrowed behind; elytra unequal, pitchy, with a round tawny spot behind the middle; legs, antennae, and palpi black. (L. 2½ l.) Damp places: London district; Norfolk: 5-7.
b. Elytra not spotted. 1. Legs black.

* Abdomen with apex styloform: — Zollwenus Leach.

3267 Juno Ph. F. iii. 433.—Ste. M. v. 303.—Black; rather glossy; deeply punctured; with a scantly whitish pile; thorax with an obsolete channel, and foveated; elytra coarsely punctured; forehead with 2 furrows; palpi testaceous, tip brown; ¤ with the hinder thighs and tibiae thickened, the penult. ventral segment deeply notched, the antennepenult. also notched, and with two ridges. (L. 2-2½ l.) Damp places, common: London district; Bristol; Devonshire; Swansea: (†) *.

* * Abdomen with apex simple.

3268 pubescens Kirby.—Ste. M. v. 297.—Black; thickly and minutely punctured; with a very fine pubescence; thorax slightly narrowed behind; elytra with the surface foveolated; abdomen very obliquely punctured, smooth; antennae shorter than the thorax, pale testaceous, with the club black; palpi black. (L. 3 l.) Damp places: London district; Norfolk; Suffolk; Devon; Bristol; Bayford, Lincolnshire: 4-6.

3269 levior Kirby.—Ste. M. v. 297.—Deep black, faintly punctured; clothed with an ashy pile; front with 2 channels; thorax with 2 obscure basal foveæ; elytra smooth, with a depression on the suture; legs slender, black; antennæ pitchy at the base. (L. 2½ l.) Damp places: London district; Norfolk; Suffolk: 4-6.

3270 buphthalmus Grav. Mi. 156.—Ste. M. v. 296.—Black; opaque; very thickly and deeply punctured, with a scantly silvery pile; thorax oblong, with an obscure channel; elytra as long as the thorax, convex; abdomen thickly and rather deeply punctured; tarsi fuscous; antennae short, black, palpi pitchy, basal joint pale. ¤ with penult. segment of abdomen beneath notched. (L. 2-2½ l.) Damp places: Battersea fields; Bristol; Devon; 4-8.

3271 lineatulus Kirby.—Ste. M. v. 296.—Black, thickly punctured, slightly pubescent; head with 2 frontal grooves; thorax elongate, roughly punctured, the base rather foveolated; tarsi longish, slender; base of abdominal segments with a faint longitudinal ridge; palpi reddish, tip black. (L. 2½ l.) Damp places: London district; Suffolk; Norfolk: 4-6.

3272 levis Marsham.—Ste. M. v. 297.—Black; obscure, slightly punctured, and rather pubescent; head obscurely 2-canaliculate; thorax moderately punctured; the sides rough; elytra minutely punctured; tarsi fuscous; antennæ pitchy, the 2 basal and the 3 apical joints black; palpi black, the base pitchy. (L. 2 l.) Damp places: London district: 6.

3273 pallitarsus Kirby.—Ste. M. v. 298.—Black; very finely and thickly punctulated; with a short silvery pile; head with 2 shallow frontal channels; thorax short, ovate, not foveolated; elytra very finely punctured, the base foveolated; legs dusky, tarsi reddish; antennæ dull red, club black; palpi reddish. (L. 2 l.) Damp places: Darenth; Norfolk; Suffolk; Devon: 4-6.

3274 pilosulus Kirby.—Ste. M. v. 298.—Black; finely and closely punctured; with a fine silvery pile; head obscurely 2-canaliculate; thorax somewhat cylindric, with an obscure bent basal impression; elytra flattish towards the suture; abdomen distinctly punctured; antennæ short, testaceous, basal joint and club dusky; palpi black, basal joint palish. (L. 2 l.) Damp places: Norfolk; Suffolk; New Forest: 5-6.

3275 canaliculatus Gyll. iv. 501.—St. affinis Kirby.—Ste. M. v. 298.—Deep black; densely and deeply punctured; with a slight ashy pile; forehead flat; thorax oblong, obcordate, with a faint channel; elytra rather
longer than the thorax; obscurely punctured towards the suture; abdomen moderately punctured; antennæ and palpi black. (L. 1\*2 l.) Damp places: London district; Barham; Devon: 3-5.

3276 angustatus Kirby. — Ste. M. v. 299. — Slender; black; obscure; finely punctured; thorax obcordate, with a faint dorsal channel and 2 basal foveæ; elytra much longer than the thorax, delicately punctured, flattened; abdomen much attenuated at the apex; antennæ dull red, with the club dusky; palpi testaceous. (L. 1\*2 l.) Damp places: London district; Suffolk: 6.

3277 melanopus Marsh. i. 528. — Ste. M. v. 299. — Black; rather shining and glabrous; finely punctured; thorax short; with a short faint dorsal line; elytra longer than the thorax, coarsely punctured; flattish near the suture; antennæ and palpi black. (L. 1\* l.) Damp places: London district; Norfolk; S. Wales: 4-8.

3278 melanarius Kirby. — Ste. M. v. 299. — Black; somewhat obscure; finely punctured; thorax somewhat cylindric, without dorsal channel or foveæ; elytra wider, but not longer, than the thorax, flattened towards the suture; abdomen smooth, base of the segments flat; legs, antennæ and palpi black. (L. 1\* l.) Damp places: London district; Suffolk; Norfolk; New Forest: 3-6.

3279 carbonarius Gyll. iv. 505. — Ste. M. v. 300. — Black; opaque; very thickly and deeply punctured; with a slight whitish pile; thorax oblong, flattish, with an obsolete dorsal channel and 2 or more faint basal foveæ; elytra as long as the thorax, flattish; abdomen finely punctured: legs, antennæ, and palpi black. (L. 2\* l.) Damp places: Battersea fields; Devon: 4-6.

3280 nitidus Kirby. — Ste. M. v. 300. — Deep glossy black, very globose, punctured; thorax somewhat globose, equal, with a minute impression on each side; elytra scarcely longer than the thorax; abdomen smooth, faintly marginèd; legs dusky; antennæ testaceous, basal joint and club black; palpi testaceous, apex dusky. (L. 1\* l.) Damp places: Battersea fields; Devon: 4-6.

3281 nitens Kirby. — Ste. M. v. 300. — Cylindric; deep shining black; with a short whitish pile; head, thorax, and elytra coarsely punctured; the latter as long as the thorax; abdomen finely punctured, and slightly marginèd; antennæ pitchèy, the 2 basal joints black; palpi pale, with the apical joint black. (L. 1\* l.) Damp places: London district; Suffolk: 4-6.

3282 pusillus Kirby. — Ste. M. v. 301. — Black; densely punctate; with a slight whitish pile; forehead deeply excavated; thorax somewhat globose, roughly punctured, and with 2 basal foveæ; abdomen very finely punctured, slightly marginèd; antennæ and palpi black, basal joint of the latter testaceous. (L. 1 l.) Damp places: London district; Suffolk; Devon: 4-6.

3283 nanus Ste. M. v. 301. — Black, rather finely punctured; with a slight palish pile; thorax elongate, the disc convex, not foveolated; elytra longer than the thorax, foveolated; abdomen robust, short; legs dusky; antennæ and palpi pitchè at the base. (L. 1 l.) Damp places: London district; Woodland, Devon: 2-6.

2. Legs pale, or pitchèy.

3284 phaeopus Kirby. — Ste. M. v. 288. — Black, finely punctured, with a scanty, short, silvery pile; thorax rounded, globose, equal; elytra with an oblong fovea in the middle of the base, flat near the suture; legs pitchèy; antennæ testaceous, basal joint and club dusky; palpi with base testaceous. (L. 1\* l.) Damp places: London district; Suffolk; Norfolk; Devon: 4-8.
3285 picipes Kirby. — Ste. M. v. 288. — Black; finely punctured; with a slightly silvery pile; thorax globose, with an oblique impression on each side behind the middle; elytra obsoletely foveolated before the middle; abdomen subulate conic; legs pitchy, knees dusky; antennae reddish, club black; palpi red. (L. 1½ l.) Damp places: London district; Bristol: 4-6.

3286 argyrostroma Ste. M. v. 288. — Slerder; black; thickly and finely punctured; with a slight whitish pile; thorax rounded, slightly convex; abdomen acute at tip; legs and antennae pitchy; labrum testaceose, clothed with a silvery pile. (L. 1½ l.) Damp places: Battersea fields: 2-4.

3287 fusipes Grav. Mi. 157. — Ste. M. v. 289. — Black; rather shining; thickly punctured; with a griscous pile; forehead obsoletely channelled; thorax oblong, equal; elytra as long as the thorax, convex; abdomen slightly margined, shining; legs rusty-pitchy, thighs reddish; antennae pitchy, 2 basal joints black; palpi fuscous, basal joint ochreous. (L. 1½ l.) Damp places: London district; Dover; Bristol; Norfolk: 4-6.

3288 flavipes Kirby. — Ste. M. v. 289. — Black; shining; delicately punctured; thickly clothed with a velvety silvery pile; head flat; thorax with a 3-angular smooth space on the disc; elytra flat, pitted at the base towards the suture; abdomen linear; legs pale luteous; antennae luteous, the basal and the 2 apical joints black; palpi ochreous. (L. 1½-1 l.) Damp places: London district; Devon; Suffolk; Norfolk; Yorkshire: 4-6.

3289 circularis Grav. Mi. 157. — Ste. M. v. 289. — Black; very slightly shining; glabrous; roughly punctured; thorax somewhat globose, equal; elytra coarsely punctured; abdomen conic; legs and antennae testaceose; palpi reddish. (L. 1-1½ l.) Damp places: London district; Suffolk: 4-6.

3290 immumin Marsh. i. 528. — Ste. M. v. 290. — Black, rather glabrous; moderately punctured; thorax somewhat elongate, obsoletely impressed; elytra coarsely punctured; with an obscure basal impression; abdomen conic, faintly margined and delicately punctured; legs testaceose; antennae and palpi testaceose-yellow, club of the former black. (L. 1½-2 l.) Damp places: London district; Norfolk: 4-6.

3291 subbrugosus Ste. M. v. 290. — Brassy-black, shining; somewhat ruggedly punctured, furnished with 2 obscure depressions; thorax rather elongate, with a faint dorsal channel terminating in a basal fovea, and 2 other foveae on the disc; elytra finely punctured; legs pale ochreous; antennae rusty-ochreous; palpi pale. (L. 2 l.) Damp places: Battersea fields: 3-6.

3292 Ossium Kirby. — Ste. M. v. 290. — Black; slightly pilose; finely punctured; thorax elongate, and with the elytra deeply pitted, the former with a dorsal channel; abdomen elongate-conic; legs testaceose, knees black; antennae pale red, base and apex black. (L. 1½ l.) Damp places: London district; Norfolk; Suffolk; Devon: 11-4.

3293 tennicornis Ste. M. v. 291. — Black; somewhat opaque, thickly and finely punctured; thorax slightly narrowed behind, with a faint dorsal channel; elytra coarsely punctured and pitted; abdomen faintly margined; legs pale, outer tip of thighs and of tibiae dusky; antennae long, slender, pale, the 2 basal joints black. (L. 1½ l.) Damp places: Battersea fields; Bristol; Devon: 4-7.

3294 geniculatus Ste. M. v. 291. — Broad; black, slightly glossy; thickly and coarsely punctured; thorax elongate, with a dorsal channel, and 2 basal foveae; elytra finely punctured, with the base impressed; abdomen deeply margined; thighs at the base and the middle of the tibiae tawny,
rest of the legs black; antennae rusty, base black, palpi pale. (L. 2 l.)
Damp places: London district; Devon: 4-6.

3295 gonymelas Kirby. — Ste. M. v. 291. — Brassy-black, punctured, nearly
glabrous; thorax longish, roughly punctured, and obscurely foveolated;
elytra longer than the thorax, coarsely punctured, and impressed at the
base; legs reddish, apical half of the thighs black; antennae short; palpi
reddish, tip black. (L. 2 l.) Damp places: London district; and gene-
 rally distributed: ①.

3296 Aceris Kirby. — Ste. M. v. 292. — Slender; brassy-black; punctu-
  lated; nearly glabrous; forehead slightly 2-canaliculated; thorax obscurely
foveolated; elytra faintly impressed; abdomen slightly margined; legs
tawny-yellow; apex of the hinder thighs sometimes dusky; antennae yellowish,
club dusky; palpi yellow. (L. 2 l.) Damp places: London dis-
 trict; Suffolk; Devon; Scotland: 4-6.

3297 Junecorusr Leech. — Ste. M. v. 292. — Shining black, with a brassy
  tinge; punctured; thorax short, slightly foveolated at the base; elytra
faintly impressed; abdomen a little margined; legs pale, hinder thighs
with the apex broadly black, base of hinder tibiae black; palpi and middle
of antennæ pale, base and apex of the latter black. (L. 2 l.) Damp
places: London district; in Battersea fields; Devon; Bristol; Crumalyn
Bog, &c.: 3-5.

3298 nitidiusculus Kirby. — Ste M. v. 292. — Black; shining, very thickly
punctured, and clothed with a scanty silvery pile; thorax rather long, with
2 smooth basal impressions, elytra finely punctured and foveolated towards
the base; abdomen slightly margined; legs testaceous; apex of thighs and
base of tibiae dull black; antennæ and palpi testaceous, tipped with black.
(L. 2$ l.) Damp places: London district; Suffolk: 3-5.

3299 punctatissimus Ste. M. v. 293. — Black, shining, very thickly and finely
punctured; thorax with a faint dorsal channel; abdomen strongly margined;
legs pale, with the extreme tip of the thighs and the base of the tibiae and
tarsi black; antennæ fuscous, with the 2 basal joints black; palpi pale.
(L. 2$ l.) Damp places: London district; Suffolk; Norfolk; Bristol;
Spitchwick, Devon: 4-6.

3300 nigricornis Kirby. — Ste. M. v. 293. — Black, opaque, very thickly
punctured; thorax attenuated at both ends the disc with an obsolete
channel; elytra roughly punctured; legs livid testaceous, knees and tarsi
blackish; palpi livid. (L. 2$ l.) Damp places: London district; Ban-
tham, Devon; and generally distributed: ①.

3301 Boops Grav. Mo. 227. — Ste. M. v. 293. — Black; opaque; thickly
punctured; front with 2 deep grooves; thorax widest in the middle,
with a distinct dorsal channel; legs dusky black, with the base of the
thighs and tip of the tibiae testaceous; antennæ fuscous, with the basal
joint obscure; palpi testaceous with the tip dusky. (L. 2$ l.)
Var. St. clavicornis Fab. E. S. ii. 527.? — Ste. M. v. 294. — Legs tawny,
with the tips of the thighs and the tarsi black; palpi tawny. Damp
places: London district; Norfolk; Bristol; S. Wales, &c.: 4-6.

3302 atricornis Ste. M. v. 294. — Black; shining, thickly punctured; thorax
unequal, with a basal impression; elytra finely punctured, with the sur-
face even; legs tawny; apex of thighs, base of tibia, and the tarsi dusky;
antennæ and palpi black. (L. 2$-3 l.) Damp places: London district;
Suffolk; Norfolk; Devonshire: 4-6.

3303 canaliculatus Kirby. — Ste. M. v. 294. — Black; rather obscure;
roughly punctured; forehead with 2 slight channels; thorax with an
obscure central fovea, and slightly foveolated on the disc; abdomen with
a short longitudinal ridge at the base of its segments; legs livid testaceous;
knees, and outside of the tibiae and tarsi, black; antennae dull red, basal joint black; palpi paler. (L. 2½ l.) Damp places: London district; Suffolk; Norfolk; Devon; South Wales, &c.: 3304 submarginitus Kirby. — Ste. M. v. 295. — Black; rather glossy; punctured; forehead with a glossy ridge; thorax with an obscure dorsal channel; abdomen very slightly margined; legs dirty brown, the base of the thighs rather tawny; middle of the antennae testaceous, base and apex, and the palpi, black. (L. 1½ l.) Damp places: London district; Bristol; New Forest; South Wales: 4-6.

3305 sulcicollis Kirby. — Ste. M. v. 295. — Black, with a brassy tinge; shining; punctured; thorax broad, short, with a short deepish dorsal channel; elytra longer than the thorax, finely punctured; abdomen strongly margined; legs pitchy-red; tarsi paler; antennae dusky. (L. 1½ l.) Damp places: London district; Suffolk; Devon: 4-6.

3306 bifoveolatus Gyll. iv. 500. — Ste. M. v. 395. — Short; deep black; shining; rather deeply punctured: thorax convex, oblong, with 2 distinct bent foveae at the base; elytra rather convex, thickly punctate; thighs pitchy-red, tips black; tibiae pitchy-brown; antennae testaceous, basal and 3 terminal joints black. (L. 1½ l.) Damp places: London district; Bristol; Devon: 4-6.

§ B. Abdomen rounded, not margined.

a. Legs pale, or varied.

3307 oculatus Grav. Mf. 155. — Ste. M. v. 282. — Bluish-black, with a whitish pile; finely and thickly punctured; legs tawny, knees dusky or black; antennae rather long, testaceous, the basal joint black; palpi tawny. (L. 2-2½ l.) Damp places: London district; and generally distributed: 3308 scabrior Kirby. — Ste. M. v. 282. — Deep black; shining; pubescent; thickly and very coarsely punctured; thorax rounded, equal; thighs red, black at the tip; tibiae with the extreme tip dull red; tarsi black; antennae black, base dull red; palpi red. (L. 2½ l.) Damp places: London district; Spitchweek, Devon: 4-6.

3309 cicindeloides Grav. Mf. 155. — Ste. M. v. 283. — Black; rather shining; very deeply and very coarsely punctured; slightly pubescent; thorax oblong; abdomen rather finely punctured; legs pale testaceous; tips of the thighs and base of the tibiae broadly black; palpi and antennae pale, with the tip dusky. (L. 2½ l.) Damp places: London district; Devon; South Wales: 2-6.

3310 cognatus Ste. M. v. 283. — Black; shining; with a brassy tinge; deeply punctured; thorax oblong, with 2 shallow foveae; abdomen rather deeply punctured; base of thighs tawny, their apex, tibiae, and tarsi black; palpi and base of antennae pale. (L. 2 l.) Damp places: Devon: 4-6.

3311 similis Kirby. — Ste. M. v. 283. — Flattish; deep black; rather shining; minutely punctured; with a fine whitish pile; abdomen rather more strongly punctured; thighs tawny; tibiae and tarsi pitchy, or pale tawny; middle of antennae and palpi pale pitchy. (L. 1½ l.) Damp places: Battersea fields; Woodland, Devon: 3-4.

3312 fulviceornis Kirby. — Ste. M. v. 284. — Very black, rather obscure, minutely punctured; thorax cylindric, the sides rounded; base of elytra impressed; legs fuscous, tarsi paler, middle of antennae tawny, 2 basal and 3 terminal joints black; palpi pale, with the tip black. (L. 1½ l.) Damp places: London district; Barham, Devon: 4-6.

3313 pallipes Grav. Mo. 233.? — Ste. M. v. 284. — Pitchy-black; slightly shining; deeply punctured; with a short whitish pile; thorax with 2 obscure bent foveae at the base, and a smaller one between; elytra less
deeply punctured; abdomen slightly margined; legs pale testaceous; palpi testaceous, tip dusky; antennæ pale, the basal and 3 apical joints black. (L. 1 t 1 l.) Damp places: London district: 4-6.

3314 Marshami Ste. M. v. 284. — Black, minutely and thickly punctured; with a short whitish pile; legs, antennæ, and palpi pale red, tips of thighs and base of antennæ dusky. (L. 1 t 1 l.) Damp places: London district: 4-6.

3315 brunnipes Kirby. — Ste. M. v. 285. — Black, somewhat glabrous; finely punctured; thorax obcordate; legs pitchy-brown; antennæ and palpi black. (L. 1 t 1 l.) Damp places: London district; Bristol; Devon: 2-5.

3316 curvipes Kirby. — Ste. M. v. 285. — Black; slightly shining; thickly punctured; thorax globose; abdomen slightly margined; legs pitchy-red, hinder tibiae bent at the base; antennæ pitchy-black; palpi black. (L. 1 t 1 l.) Damp places: London district; Norfolk: 4-6.

b. Legs black.

3317 nigriclavis Kirby. — Ste. M. v. 285. — Black; thickly punctured; densely clothed with whitish pile; thorax cylindric, somewhat ovate, roughened with closely set punctures; legs totally black; antennæ red; 2 basal joints and club black; palpi red, with the apex black. (L. 2 l 4 l.) Damp places: London district; Suffolk; Norfolk; Bristol; Devon: 4-6.

3318 tarsalis Gyll. ii. 472. — Ste. M. v. 286. — Bluish-black; thickly punctured; with a short thick silvery pile; abdomen rather finely punctured; legs black; tarsi dilated, pale testaceous; palpi testaceous, tip dusky; antennæ pale testaceous, basal joint black, 3 apical ones dusky. (L. 2 l 4 l.)

Var. ? Ste. ruftarsis Kirby. — Ste. M. v. 286. — Tarsi, antennæ, and palpi red, tips of the 2 last pitchy or dusky; mandibles reddish.


3319 unicolor Kirby. — Ste. M. v. 286. — Black; slightly shining; punctured; glabrous; thorax rounded; abdomen finely punctured, base of the segments flat; legs, antennæ, and palpi black, basal joint of the last sometimes yellowish. (L. 1 / 1 l.) Damp places: Battersea fields; Norfolk; Suffolk, &c.: 4-6.

3320 assimilis Kirby. — Ste. M. v. 287. — Black; slightly shining; glabrous; punctured; thorax somewhat glabrous; elytra convex; abdomen linear, cylindric, finely punctured; legs fuscosus; antennæ and palpi black. (L. 1 l 1 l.) Damp places: London district; Suffolk; Woodland, Devon: 2-6.

3321 fornicatus Kirby. — Ste. M. v. 287. — Black; rather shining; scantily clothed with a fine shortish pile; roughly punctured; thorax nearly glabrous, convex; elytra convex, arched; abdomen conic; antennæ and palpi black, base of the latter pale. (L. 1 1 / 1 l.)


3322 gracilis Ste. M. v. 288. — Slender; deep black; minutely punctured; with a short whitish pile; thorax somewhat glabrous; elytra with a faint ridge at the base; legs and palpi black; antennæ pale, basal and 3 apical joints fuscosus. (L. 1 3 l 1 l.) Damp places: London district: 4-6.

653 Ev. esthetus Gravenhorst.

3323 scaber Grav. Mo. 202. — Ahr. F. vii. f. 13. — Ste. M. v. 329. — Black; obscure; minutely punctured: head flattish, dull brown, or tes-
taceous; thorax with 2 approximating incurved foveæ towards the base; legs and antennæ dull red. (L. ¾ l.) Under stones, &c.: Aldham, Suffolk; Marton Lodge, Yorkshire; Winterborne Stoke, Hants; Norfolk; Devon: 3-5.

Fam. 79. OXYTELIDÆ Stephens.

deliv. Bledius Body convex, narrow: ant. elbowed: tho. slightly produced in front, rounded behind: elytra remote: tibiae ciliated; anter. toothed without; tarsi retractile, 4-jointed: ♂ with head and thorax cornuted.
delvii. Phytosus Body slightly convex, elongate: ant. elbowed, 2 basal joints equal, 3d short: tho. flattish, without a channel, with a short bent spine beneath the anterior angles: tibiae pilose, 4 anter. spinose; tarsi anter. 4-, poster. 5-jointed: ♂ with abdomen broad and obtuse at apex; ♀ with elytra longer and wider than thorax.
delix. Oxytelus Body flat, elongate, somewhat linear: ant. not elbowed: tho. flat, with several channels: legs short; tibiae ciliated, 4 anterior alone denticulate-pectinate: tarsi 3-jointed: head and thorax unarmed.
delix. Trogophleus Body flat, linear: ant. elbowed: tho. convex, foveolated: elytra with prominent shoulders: tibiae unarmed, ciliated; tarsi 3-jointed, terminal joint longer than the others, arched: palpi with terminal joint minute, aciculated.
delixii. Carpalius Body flattish, linear: ant. straight: tho. truncate-heart-shaped, foveolated: legs short; tibiae ciliated, simple; tarsi indistinctly 3-jointed, terminal joint longest.

654 Siagonium Kirby.

3324 4-corne Kirby. — Cur. i. pl. 23. — Ste. M. v. 306. — Flat; pitchy, shining, and glabrous; head dusky, tuberculated in ♀, horned in ♂; elytra with 4 striae, 2 of them foveolated, disc with an oblique rusty dash, outer angle dusky; tip of abdomen rusty; legs and antennæ red. (L. 2-2½ l.) Under bark of elm: Kensington Gardens: South Lambeth; Norfolk; Suffolk: 2-6.

655 Bledius Leach.

3325 tricornis Pk. F. iii. 396. — Ent. Tr. pl. in p. 97. — Ste. M. v. 307. — Black, slightly shining, deeply punctured; legs pitchy-red; elytra rusty-red, with the base and suture black. ♂ with a stout bent porrected horn on each side of the head, and an elongate glabrous one on the anterior edge of the thorax, grooved above: ♀ with 3 small tubercles in place of the
horns. (L. 2-3½ l.) On sandy shores; especially near Southend; and along the eastern coast: 4-8.

3326 Taurus Ahr. F. — Ste. M. v. 308. — Bl. Skrimshirii Cur. iii. pl. 143.— Black, shining; sparingly punctured; legs chestnut; elytra reddish, ochreous, with a 3-angular dusky patch at the base of the suture; tip of abdomen rusty. ♀ with a long thin vertical horn on each side of the head; and an obtuse one on the anterior edge of the thorax, pilose and chestnut at the tip: ♀ with 2 conical tubercles on the head; thorax unarmned. (L. 2½-3½ l.) On coast of Norfolk, near Fakenham: 4-6.

3327 Ruddii Ste. M. v. 308. pl. xxvii. f. 3. — Narrow, shining black; moderately punctured; antennae, legs, and elytra ochreous-red. ♀ with a short acute horn on each side of the head, and an elongate straight slender one on the anterior edge of the thorax, its apex pilose: ♀ with 2 small tubercles on the head; thorax unarmned. (L. 2-2½ l.) Coatham Marshes, Yorkshire: 4-6.

656 Hesperophilus Stephens.

3328 fracticornis Pk. F. iii. 382. — Ste. M. v. 309. — Black; smooth; head finely punctured and slightly 2-tuberculate; thorax deeply and coarsely punctured, and with a single dorsal channel; elytra moderately punctured; tip of abdomen and the legs testaceous red; antennae dusky, base red. (L. 2½ l.) Sandy coasts, &c.: Battersea fields; Norfolk; Suffolk; Yorkshire: 4-6.

3329 haemopterus Kirby. — Ste. M. v. 310. — Black; smooth; head punctulated and with 2 small tubercles; thorax obscurely punctured, and with a faint dorsal channel; elytra punctulated, red; tip of abdomen reddish; legs, antennae, and palpi red. (L. 1½-2 l.) Sandy coasts, &c.: Norfolk; Suffolk; Yorkshire; Barham; Battersea: 4-6.

3330 divisus Marsham. — Ste. M. v. 310. — Black, obscure; head and thorax finely punctured, the latter with an obscure dorsal channel; elytra punctured, testaceous; legs, palpi, and base of antennae the same. (L. 2-2½ l.) Banks of rivers: Battersea: 4-6.

3331 arenarius Pk. F. iii. 382. — Ste. M. v. 310. — Black, slightly shining; head and thorax punctured, the latter with a dorsal channel; elytra very thickly and finely punctured, livid, or pale, with the base and sides of the suture dusky or black; tibiae and antennae livid; palpi dusky: abdomen glossy. (L. 1½ l.) On the coasts of Devon; Yorkshire, &c.: 4-6.

3332 Talpa Gyll. ii. 448. — Ste. M. v. 311. — Black, obscure; slightly pubescent: head somewhat heart-shaped, obscurely 2-tuberculate; thorax suddenly narrowed behind, convex, smooth, with a faint dorsal impression; elytra punctulated, deep black or bluish; tarsi red; antennae pitchy, base black. (L. 2 l.) Coasts of Devon and Yorkshire: 4-6.

657 Phytosus Rudd.

3333 spinifer Rudd. — Cur. xiv. pl. 718. — Pitchy-black, shining; thorax, elytra, tip of abdomen, legs, and antennae reddish. ♀ black, with the mouth, antennae, and legs pitchy. (L. ♀ 3½-4 l.; ♀ 1-1½ l.) Under marine rejectamenta, Ryde: 5-6.

658 Platystethus Mannerheim.

3334 cornutus Graw. Mi. 109. — Ste. M. v. 311. — Black, shining, glabrous: forehead thickly punctured, of the ♀ bispinous at the apex: thorax finely punctured, and with a deep dorsal channel; elytra obscurely punctured, black, with an oblique pale dash, or testaceous; tarsi red.
(L. 1½ l.) Dung: London district; Norfolk; Suffolk; Bristol; Yorkshire: 2-6.
3335 morsitans Ph. F. iii. 383. — Ste. M. v. 312. — Black; shining, very smooth: forehead flat, channelled; thorax thickly punctured, and with a deep dorsal line; elytra very thickly punctured, the punctures somewhat disposed longitudinally, and with a single sutural stria, pitchy red or testaceous; tibiae, tarsi, and mouth also testaceous. (L. 1½-2 l.) Dung: London district, and generally distributed: ♂ ♀.
3336 trilobus Oliv. E. iii. 20. pl. 5. f. 48. — Ste. M. v. 312. — Black; shining; glabrous: head with a frontal impression and a transverse line behind; thorax with a deep longitudinal channel; elytra very much punctured; legs brownish-yellow; antennae dusky. (L. 1½ l.) In dung, &c.: generally distributed: 2-6.
3337 sulcatus Marsham. — Ste. M. v. 313. — Broad; black; shining; glabrous: head with a deep frontal channel; thorax slightly punctured, with a deep dorsal groove; elytra pitchy-black, rather coarsely punctured, and with a faint sutural stria; legs pitchy; antennae dusky. (L. 1½ l.) In dung: London district; Norfolk; Suffolk; Devon; S. Wales: 4-6.
3338 brunnipennis Ste. M. v. 313. — Black, shining, glabrous, thickly punctate: head large, impressed; thorax with an obsolete dorsal channel; elytra reddish-brown, flattish, with a punctured stria towards the suture; legs and antennae pitchy-red. (L. 1½ l.) Dung: London district: 4-6.
3339 immunixis Kirby. — Ste. M. v. 313. — Black, shining; glabrous; punctured: head small, without a frontal impression; thorax ample, convex, with a faint dorsal channel; elytra pitchy-red, finely punctured; abdomen pitchy at the tip; legs pitchy-red; antennae dusky. (L. 1½ l.) Dung, &c.: London district; Norfolk; Suffolk; New Forest: 4-6.
3340 foveatus Kirby. — Ste. M. v. 313. — Black; shining; glabrous: head narrower than thorax, with an impressed line on the occiput; thorax short, with a deep dorsal groove and a broad rough fovea on each side; elytra and legs reddish, thighs pitchy; mandibles fuscous. (L. 1 l.) In dung, &c.: London district; Suffolk: 4-6.
3341 caliginosus Ste. M. v. 314. — Black; shining; glabrous, very thickly punctured: head narrower than the thorax, not impressed; thorax small, with an obscure dorsal channel; elytra dull black, or pitchy; legs pitchy-red, tibiae and tarsi palest; antennae dusky, the base and mouth pale. (L. 1½ l.) In dung: London district: 4-6.
3342 pallidipennis Pz. F. xxvii. f. 16. — Ste. M. v. 314.—Black; shining; glabrous: head narrower than the thorax, flat, unarmed; thorax with a deep dorsal groove; elytra punctured, pale, with the margin dusky; abdomen rather pitchy at the tip; thighs fuscous; tibiae and tarsi red; antennae dusky-black. (L. 1½ l.) In dung: London district; Suffolk: 4-6.

659 Oxytelus Gravenhorst.
3343 carinatus Grav. Mi. 106. — Pz. F. lvii. f. 24. — Ste. M. v. 315. — Pitchy-black; rather glabrous: head punctured, front smooth; crown with a double tubercle, and an acute one before each eye: thorax punctured, and with 4 acute raised lines; elytra with confluent punctures; thighs pitchy-red, tibiae and tarsi testaceous; base of antennae dull red. (L. 1½ L) Dung, &c.: generally distributed: ♂ ♀.
3344 pulcher Grav. Mi. 107. — Ste. M. v. 315. — Pitchy-black, somewhat glabrous; head roughly punctured, front smooth, base with 2 foveolae, and a pitchy tubercle on each side, before the eyes; thorax rusty-black, margins finely denticulated, disc longitudinally roughened: elytra and
legs testaceous; antennae red, base paler. (L. 2 1/4 l.) Dung, &c.: London district; Norfolk; Suffolk.

3345 rugosus Fab. E. ii. 601. — Ste. M. v. 316. — Black, glabrous; head finely punctured, front smooth, with 3 tubercles; thorax with the sides obsoletely denticulate, disc with 4 grooves, somewhat in form like the letter M; elytra roughly punctured: legs pitchy-black, tarsi red; mouth pitchy. (L. 2 1/4 l.) Dung, &c., throughout the country: (*). *

3346 piecipennis Ste. M. v. 316. — Ox. piecus Pz. F. xxvii. f. 14.?—Broad; pitchy-black; shining; front impressed; thorax with its sides entire, the disc punctulate, and with 3 channels; elytra finely punctured, pale testaceous; abdomen with terminal segment pitchy; legs pale; antennae pitchy, base testaceous. (L. 1 1/4 l.) Dung, &c.: London district; Norfolk: 4-6.

3347 nitens Marsham. — Ste. M. v. 316. — Black, rather glabrous; head with 2 short impressions: front flattish; thorax with 3 longitudinal lines, and the outer margins foveolated; elytra flattish, testaceous, base dusky within; legs testaceous, hinder tibiae with a minute tooth externally; base of antennae testaceous. (L. 2 l.) Dung: London district; New Forest; Devon; Bristol; S. Wales: 4-6.

3348 piecus L. ii. 686. — Oliv. E. iii. 20. pl. 3. f. 38. — Ste. M. v. 317. — Pitchy-black, rather glabrous: head roughly punctured, front smooth, with a deep fovea; thorax with 3 longitudinal grooves, the lateral margins foveolated; elytra pitchy, roughly punctured; legs pale; antennae longish, their base, the mouth, and palpi dull red. (L. 1 1/2-2 l.) Dung, &c.: generally distributed in the south: *.

3349 antennatus Kirby. — Ste. M. v. 317. — Black; rather shining; glabrous; punctured: head with a frontal impression: thorax with the sides entire, the disc rough, with 3 equal dorsal channels; elytra pitchy; legs pale; antennae nearly half as long as the body, dusky, the base pale. (L. 1 1/2 l.) Dung: Suffolk and Devonshire: 6.

3350 sculpturatus Grav. Mo. 187. — Ste. M. v. 317. — Black; slightly shining; thickly punctured: head roughish, with a smooth frontal impression: thorax short, the sides slightly rounded and entire, disc flattish, with a central dorsal channel; widest in front, a linear bent one on each side, and an obscure fovea at the base: thighs pitchy-red; tibiae and tarsi pale. (L. 1 1/2-2 l.) Dung: London district; Norfolk; Suffolk: 4-6.

3351 nitidus Kirby. — Ste. M. v. 318. — Black; shining; glabrous; punctured: forehead slightly convex: thorax crenulated on the sides, the disc with 5 longitudinal channels, divided by four lines, resembling by their union the letter M; elytra testaceous, with 2 obscure foveae; legs testaceous, antennae with basal joint dull red; palpi red; mandibles pitchy. (L. 1 3/2-2 l.) Dung: Suffolk: 6.

3352 flavipes Ste. M. v. 318. — Black; shining; thickly punctured: head rough, with a slender smooth frontal depression: thorax with the sides entire, disc flat, with 3 dorsal channels; elytra flat, pitchy-red; tip of abdomen reddish or pitchy; legs pale testaceous; antennae dusky, tip and the palpi testaceous. (L. 1 1/4 l.) Dung, &c.: London district; Devon: 6.

3353 depressus Grav. Mi. 103. — Ste. M. v. 318. — Black, opaque, very finely punctured; head flat; thorax with the sides rounded and entire, the disc flat, with 5 dorsal channels, divided by raised glossy lines: elytra flat, pitchy, with an obscure sutural stria; legs and mouth testaceous; antennae fuscous. (L. 1 l.) Dung, &c.: London district, &c.: 4-6.

3354 fuscipennis Ste. M. v. 319. — Black, nearly opaque; finely and closely punctured; head flat; thorax with the sides entire; disc flat, with 4 dorsal lines, interstices not very deep, approaching in front; elytra flat, fuscous;

3355 pallipes Kirby. — Ste. M. v. 319. — Black, opaque; head orbiculate; thorax minutely punctured, with five dorsal fovelets, divided by 4 slightly raised lines, the 2 intermediate diverging in front; elytra flat, pitchy, with an oblique impression in front; legs testaceous, thighs brownish; antennae dusky. (L. 1½ l.) In dung, putrid fungi, &c.: generally distributed in the south: 4-8.

3356 nitidulus Grav. Mi. 107. — Ste. M. v. 319. — Black, slightly shining; somewhat punctured; head transverse; thorax with the sides entire, the disc flat, with 3 linear channels and an obscure fovea towards each side; elytra pitchy-red; legs testaceous, thighs more or less dusky. (L. ¾-1 l.) Dung, &c.: London district; Devon: 5-6.

3357 rufulus Kirby. — Ste. M. v. 320. — Black; shining, punctured; forehead with an obscure excavation; thorax with the sides entire, the disc flat, with 3 linear channels, and an obscure fovea towards the base of each side; elytra flat, pitchy; legs pitchy; tarsi red; antennae reddish at base. (L. 1½ l.) Dung, &c.: Hertford and York: 6.

3358 consobrinus Ste. M. v. 320. — Black; slightly shining, glabrous; punctured; head small, with a faint frontal channel; thorax with 3 obscure channels in front; elytra flat, pitchy-testaceous; legs the same; antennae pitchy, the base paler. (L. 1½ l.) Dung: London district: 6.

3359 biareatus Ent. M. (Matthews) v. 198. — Black, shining; head as broad as thorax, sparingly punctured; thorax with the disc smooth, with 2 bent coarsely punctured longitudinal foveae in the centre, the sides flat and deeply punctured; elytra coarsely punctured, red, with the suture dusky; apex of abdomen, and mouth, red; legs testaceous; antennae dusky, basal joint red. (L. 2 l.) London district; Weston: 2-5.

3360 angustatus Kirby. — Ste. M. v. 320. — Narrow; deep pitchy-black; glabrous; roughly punctured; head with a transverse and longitudinal impression forming a Roman T: thorax with 3 dorsal channels, the sides flat and obscurely foveolated; elytra pitchy; thighs dusky; tibiae and tarsi red; antennae dusky. (L. 1½ l.) Dung, &c.: London district: 5.

3361 opacus Kirby. — Ste. M. v. 321. — Black, smooth, opaque; head very obscurely punctulate; forehead depressed on each side; thorax with 3 obscure dorsal grooves, the sides each with a distinct fovea; elytra flattish, smooth; legs red, thighs dusky. (L. 1-1½ l.) Dung, &c.: London district, and generally distributed: 1-7.

3362 pusillus Leach. — Ste. M. v. 321. — Black; opaque, very finely punctured; head small; thorax more distinctly punctured, with 2 obscure longitudinal channels on the disc, and a faint fovea at the base towards the sides: elytra flattish, pitchy; legs pale red; base of antennae dusky. (L. 1 l.) Dung, &c.: London district; Suffolk; Devon: 4-6.

660 Aploderus Stephens.

3363 brachypterus Marsh. i. 510. — Ste. M. v. 322. — Black; shining; head with 2 small tubercules; thorax with 2 punctured longitudinal foveae on the disc, and an obscure impression towards each side; elytra pitchy, very much punctured; legs pale, or pale testaceous; antennae pitchy, base paler. (L. 2-2½ l.) Moss, &c.: Battersea fields; Barham; Ipswich: 1-5.

661 Trogophtleus Mannerheim.

3364 corticinus Grav. Mo. 192. — Ste. M. v. 323. — Black; rather opaque; very thickly punctured; thorax with 2 short, rather bent dorsal foveole; elytra flattish, pitchy-black; legs pitchy, knees, tips of tibiae, and the tarsi
paler; antennae dull pitchy, basal joint reddish. (L. 3/1 l.) In moss, &c.: London district.

662 CARPALIMUS Kirby.

3367 bilineatus Kirby.—Ste. M. v. 324. pl. xxvii. f. 4. a-g.—Black; slightly pubescent; thorax obdorsate, with 2 slightly bent approximating dorsal foveae; elytra minutely punctured, pitchy-black; tip of last abdominal segment pitchy beneath; legs dull red; antennæ pitchy, base dull red. (L. 1 1/2-1 1/2 l.) Under stones, moss, &c.: London district; Barham: 12-5.

3366 arcuatus Kirby.—Ste. M. v. 324. — Black; slightly pubescent; thorax with 2 minute foveae, and a round one on each side towards the hinder margin; elytra finely and thickly punctured; legs pitchy. (L. 1 1/2 l.) Under stones, &c.: London district and Suffolk: 2-5.

3367 bicolon Kirby.—Ste. M. v. 325.—Black; shining, glabrous; head large; thorax obdorsate, with 4 discoidal punctures placed tetragonally; elytra thickly and finely punctured; antennæ slender at the base, the tip somewhat clavate. (L. 3/1 l.) Moss, &c.: London district; Norfolk; Suffolk; Hull: 1-5.

3368 fuliginosus Grav. Mi. 102.?—Ste. M. v. 325.—Black, rather glossy; thorax with 2 faint impressions behind, and a very short slightly raised ridge between; elytra obscure, somewhat silky; legs and palpi dull red; antennæ dull red, the terminal joints thickened and black. (L. 1 1/2 l.) Moss, &c.: London district; Bristol; Norfolk; Suffolk; Devon: 1-5.

3369 picipennis Kirby.—Ste. M. v. 325.—Black; rather obscure; thorax with 4 obscure impressions towards the base; elytra pitchy-red, with a delicate pubescence; legs testaceous; antennæ more or less, slightly thickened at the tips; mouth reddish. (L. 3/1 l.) Under stones, &c.: London district; Suffolk: 1-5.

3370 rufigenus Kirby.—Ste. M. v. 326.—Black; smooth, nearly glabrous; thorax with the disc obscurely impressed; elytra and legs red; antennæ shorter than the thorax, rather thickened at tip, the terminal joint acute. (L. 3/1 l.) Moss, &c.: London district; Norfolk; Suffolk; Devon: 1-5.

3371 affinis Kirby.—Ste. M. v. 326.—Broad; black, obscure; thorax very obscurely impressed; elytra with a delicate silken pile, faintly punctured; thighs pitchy, or red; tibiae and tarsi dull red; antennæ with basal joint testaceous. (L. 3/1 l.) Moss &c.: London district; Suffolk; Devon: 1-5.

3372 obscurus Kirby.—Ste. M. v. 326.—Black; obscure; slightly pubescent; thorax with a slightly bent impression on each side towards the base; elytra pitchy-black; legs dull pieceous; tarsi brighter; antennæ pitchy. (L. 3/1-1 1/2 l.) Moss &c.: London district; Norfolk; Suffolk; Devon; York: 1-5.

3373 atratus Ste. M. v. 327.—Deep black; narrow; slightly shining; thorax with a deep, slightly bent impression on each side towards the base; elytra finely and thickly punctured, and with a faint depression near the base of the suture; abdomen rather widened towards the apex; legs and antennæ deep pitchy-black. (L. 3/1 l.) Moss: London district; Wilts: 1-5.

Fam. 80. OMALIIDÆ Leech.

delxiii. TANOSOMA Body linear, narrow: palpi more, with penult, joint dilated, apical one small, subulate: tho. narrower than the head: elytra flat: abdomen obtuse: tibiae unarmed: tarsi 5-jointed, terminal joint as long as all the preceding.

delxiv. PHLEOCHARIS Body somewhat linear, convex: palpi max., with apical . o .
joint aciculare: ocelli 0: tho. as broad as the elytra: tibia unarmed; 4 anter. tarsi with the 3 basal joints dilated.
delxx. COPRPHILUS Body linear, narrow, flat: palpi filiform, terminal joint of max. longest, conic, truncate: ocelli 0: tho. somewhat 4-drate: middle legs approximating at base; anter. tibia spinulose; tarsi 5-jointed, filiform.
delxxi. PSEUDOPSIS Body broad, flat: palpi max. with terminal joint slender, acute; the preceding dilated: ocelli 0: head narrow, ridged: tho. nearly circular, sulcated: elytra flattened, ridged: ant. filiform, thickened at the tip.
delxxii. MEGARTHUS Body broad, flattish: palpi max. with penultimate, joint thickened, clavate; terminal acute: ocelli 0: ant. with the 2 basal joints robust, apical one very large, somewhat orbicular: labrum transverse: tibia bent, simple.
delxxiii. SYNTOMIUM Body broad, flat; edges sharply ridged: palpi max. with apical joint small, obonie-acute: ocelli 0: ant. somewhat clavate: labrum notched: tho. with lateral margins crenulate: tibia simple.
delxxiv. PROTEUS Body oval, convex: palpi max. with terminal joint aciculare: ocelli 0: ant. clavate; club 3-jointed: tho. transverse, hinder angles acute: elytra half the length of the abdomen: tibia simple.
delxxv. ANTHOBIUM Body oval, flattish: palpi max. with apical joint conic, longer than the preceding: labrum narrow: ant. with basal joint large: ocelli 2: tho. transverse: elytra long: tibia simple; tarsi with the 4 basal joints short, equal, dilated.
delxxvi. DELPHEUM Body oval, slightly convex: palpi max. with terminal joint acute, longer than the preceding: ant. with basal joint robust, apical one large, ovate-acute: ocelli 2: tho. transverse: elytra ample, elongate: tibia spinulose; poster. tarsi with the 2 basal joints elongate.
delxxvii. LATHRIMÆUM Body oval, rather convex: palpi max. with terminal joint acute, longer than the preceding: ant. gradually thickened to the tips: ocelli 2: tho. transverse, channelled: elytra ample, nearly covering the abdomen: tibia simple; poster. tarsi with the 2 basal joints longish.
delxxviii. OLOPHRUM Body oval, convex: palpi max. with terminal joint twice as long as the preceding: ant. pilose, with basal joint robust, apical one large, acuminate: ocelli 2: tho. transverse: elytra broad: tibia unarmed; poster. tarsi with the 2 basal joints longish.
delxxix. CORYPHIUM Body oblong, flat: palpi max. with terminal joint thickened, apex truncate: ant. thickened towards the apex: head wider than the tho., which is slightly narrowed behind: ocelli 2: tibia unarmed; tarsi filiform.
delxxx. MICRALYMMA Body oblong, flat: labrum transverse, 3-lobed: ocelli 0: tho. obcordate: elytra very minute: abdomen long, considerably wider than the thorax, margined: tibia simple; tarsi with very long hairs.
delxxxi. OMALIUM Body oblong-ovate, flat: palpi nearly filiform, apical joint acute: ant. short, pilose, thickened at the tip: ocelli 2: tho. short, obcordate, or transverse, narrowed behind: tibia slightly setose; tarsi with the 4 basal joints short.
delxxviii. DELESTER Body elongate-ovate, flattish: palpi max. filiform: ocelli 0: tho. broadest in front: elytra broader than thorax, rectangular: middle legs approximating at the base; tibia unarmed; tarsi 5-jointed.
delxxix. LESTEVA Body oblong, flattish: palpi max. with terminal joint somewhat acuminate: ant. filiform: ocelli 2: tho. obcordate: elytra long:
abdomen broad, flat: tibiae unarmed; poster. tarsi with basal joint elongate.

663 T.ënosoma Mannerheim.


664 Phleocaris Mannerheim.


665 Coprophilus Latreille.


666 Pseudopsis Newman.


667 Megarthrus Kirby.

§ A. Thighs compressed.

3378 rufescens Kirby. — Ste. M. v. 331. pl. xxvii. f. 5. a-f. — Pitchy-red; rather obscure; punctured; lateral margins of the thorax expanded, and with the legs and antenæ red: abdomen black above. (L.1-1¼ l.) Roots, moss, &c.: Hertford; Dulwich; Ripley; New Forest; Suffolk; Norfolk; Devon; Raehills: 2-6.

3379 retusus Kirby. — Ste. M. v. 331. — Tawny-yellow; punctured; eyes black; margins of the thorax expanded, flattened, and pale; legs and antenæ pale testaceous; head retuse. (L. 1 l.) Var. Me. flavus Kirby. — Ste. M. v. 331. — Pale dull yellow; eyes black; thorax with a smooth dorsal line; head retuse; antenæ fuscos. Moss, &c.: London district; Suffolk: 4-6.

§ B. Thighs simple, slender.

3380 depressus Ph. F. iii. 412. — Oliv. E. iii. 36. pl. 3. f. 26. — Ste. M. v. 332. — Pitchy-black; flat; obscure; punctured; thorax with a dorsal channel, the sides obscurely waved; hinder angles cut out: legs red. (L. 1 l.) Boleti, &c.: London district; Suffolk; Devon; S. Wales: 2-6.

3381 emarginatus Kirby. — Ste. M. v. 332. — Pitchy-black, flat; obscure; punctured: thorax with a dorsal channel; lateral margins not waved, sometimes reddish, hinder angles notched; elytra pitchy; legs red; antenæ dusky. (L. 1 l.) Boleti, &c.: London district; Devon; Raehills: 4-6.

3382 macropterus Grav. Mo. 215. — Ste. M. v. 332. — Black; slightly pubescent; punctured: punctures obscure on thorax, disc convex, with a short obsolete dorsal impression, hinder angles acute; elytra somewhat roughly punctured; tip of abdomen pitchy; legs and 2 basal joints of o o 2
antennae dull red; palpi fusceous. (L. 1 l.) Rotten trees, &c.; London district; and widely distributed: 2-6.

3383 pusillus Ste. M. v. 333. — Black, slightly shining and pubescent, very finely punctured; thorax with a distinct dorsal channel, extending from base to apex; elytra, legs, and antennae dull pitchy. (L. 2 l.) Decayed trees: New Forest: 6.

3384 marginatus Ste. M. v. 333. — Pitchy-black; thickly and rather coarsely punctured; elytra pale or reddish, depressed at the base of the suture; thorax with a dorsal channel, the lateral margins rounded broad, transparent rust-colour; legs and base of the antennae pale red. (L. 2 l.) Under stones, &c.: Southend: 4-6.

3385 affinis Ste. M. v. 333. — Pitchy, coarsely and thickly punctured; eyes black; thorax reddish, with a fine dorsal channel, lateral margins expanded, flat, pale, hinder angles entire; elytra very coarsely punctured; legs and antennae pale red. (L. 2 l.) Stones: Devon: 6.

668 Syntomium Curtis.

3386 nigroæneum Kirby. — Cur., v. pl. 228. — Ste. M. v. 329. — Brassy-black; rather obscure, punctate: thorax roughly punctured, with a faint ridge in the middle behind; elytra coarsely punctured; abdomen finely punctulate, dilated; legs and antennæ dusky-chestnut. (L. 2 l.) Chalk-pit: Great Blackenham, Suffolk. Moss: Ripley; Southgate; Norfolk; Marton Lodge, Yorkshire: 0.

669 Proteinus Latrille.

3387 brachypterus Ph. F. i. 288. — Iz. F. iv. f. 10. — Ste. M. v. 334. — Black; slightly pubescent; thorax smooth, with a small basal fovea, lateral margins reddish; elytra finely rugose-punctate; hinder edge obscurely reddish; legs, palpi, and basal joint of the antennæ testaceous. (L. 2 l.) In fungi, &c.: London district; Norfolk; Suffolk; Devon; Scotland: 8-12.

3388 elavicornis Kirby. — Ste. M. v. 334. — Oblong; black; slightly shining; smooth; rather convex; legs dull red; antennæ black, with a distinct 3-articulate club; terminal joint obtuse. (L. 2 l.) Boleti: London district; Suffolk; Somerset: 6-8.

3389 ovalis Kirby. — Ste. M. v. 335. — Short, oval; black; smooth; flattish; thorax with hinder angles faintly notched; elytra very finely punctured, sometimes pitchy; legs dull red; antennæ black, terminal joint rather long. (L. 2 l.) Boleti, &c.: London district; Suffolk; Devon; Rachills: 6-10.

3390 macropterus Gyll. ii. 209. — Black, slightly shining; thorax very short, slightly punctured; elytra pitchy, more thickly punctured; legs and 2 basal joints of the antennæ testaceous. (L. 2 l.) Fungi, &c.: London district: 4.

670 Anthobium Leach.

3391 nigricorne Ste. M. v. 336. — Black; rather glossy; glabrous; thorax convex, pitchy behind; elytra pitchy, distinctly and thickly punctured, the outer hinder angles rounded; abdomen glossy black, with a strong margin; legs pale testaceous, antennæ black. (L. 1 l.) Hedges; London district; Devon: 4-6.

3392 subsulcatum Ste. M. v. 336. — Black; slightly shining; glabrous; thorax with the disc rather convex, and with a very faint dorsal channel; elytra deep pitchy-black, finely punctured; abdomen glossy-black, legs pitchy; antennæ reddish-pitchy. (L. 1 l.) Hedges: London district; Bristol; Devon: 4-6.
3393 sulcalum Kirby. — Ste. M. v. 336. — Black; rather shining; glabrous; punctulated; head smoothish; thorax with a distinct dorsal channel; elytra pitchy, punctate-striate, outer angles rounded; abdomen broad, smooth, tip pitchy-red; legs red; antennae dusky, base pale. (L. ⁳⁄₄ l.) Hedges: London district; Bristol; Norfolk: 4-6.

3394 nitidum Ste. M. v. 337. — Deep shining black; glabrous; thorax slightly convex, impunctate, widest behind, hinder angles rounded and somewhat pitchy; elytra deep pitchy-black, obscurely punctured; abdomen with the tip rather obtuse; legs and antennae pitchy. (L. 1 l.) Hedges: London district; Suffolk; Rothern: 4-6.

3395 ophthalmicum Pk. F. iii. 409. — Ste. M. v. 339. — Testaceous; finely punctured; head smooth; eyes prominent, black; thorax without a dorsal channel; elytra thrice the length of the thorax, yellowish, glossy; abdomen deep black; tip of antennae black. (L. 3-1 l.) Flowers: London district; Suffolk; Rothern: 4-6.

3396 torquatum Marsh. i. 127. — Ste. M. v. 339. — Si. semicoleoptrata Pz. F. xxiv. f. 6.? — Dull red; glabrous; back of the head and eyes black; thorax truncate in front, the disc with an obscure furrow; elytra twice as long as the thorax, finely and thickly punctured, yellowish; abdomen, breast, and antennae black, base of the latter, legs, and palpi testaceous. (L. 1 l.)

♀? Om. muconatum Kirby. — Ste. M. v. 339. — Elytra with a spine at the apex, which is obliquely truncate. Flowers: London and Edinburgh districts; Norfolk; Suffolk; S. Wales: 4-6.

3397 brunneum Ste. M. v. 340. — Red-brown; shining glabrous; head dusky or black, with 2 distinct basal foveae; thorax glossy-red, finely punctured, and with 2 basal foveae; elytra rather long, punctured, the punctures disposed in stria; abdomen with the edges of the segments reddish; legs and antennae dull red, tip of latter dusky. (L. 1⁴⁄₄ l.) Flowers: London district: 4-6.

3398 minutum Fab. E. i. 342. — An. Ranunculi Ste. M. v. 337. — Black, rather shining and glabrous; head slightly punctured; mouth reddish; thorax with the sides expanded and flat, minutely punctured; elytra pitchy, or fuscous, distinctly punctured, the apex in the ♀ truncate, in the ♂ with a spine; abdomen acute; legs and base of antennae testaceous. (L. ⁵⁄₄ l.)

Var. ? An. picienne Kirby. — Ste. M. v. 337. — More slender, flattish; elytra livid-black, or pitchy; legs tawny. Flowers: London district; Yorkshire; Suffolk; Norfolk; Devon; S. Wales: 4-7.

3399 ruficorne Marsham. — Ste. M. v. 338. — Broad; pitchy-red; rather glossy; glabrous; thorax punctured, with a faint dorsal channel, the margins pitchy-red; elytra roughly punctured, the punctures somewhat disposed in striae, outer angles curved, inner acute; abdomen short, black, acute; legs and antennae red, tips of the latter dusky. (L. 1⁵⁄₄ l.) Hedges: London district: 6

3400 Sorbi Gyll. ii. 206. — Ste. M. v. 338. — Testaceous; sparingly and finely punctured; eyes black; thorax deeply notched in front, with an obscure channel; elytra twice the length of the thorax, testaceous-yellow; abdomen black; 4 terminal joints of antennae dusky. (L. ⁵⁄₄ l.)

Var. Si. lutea Marsh. i. 128. — Ste. M. v. 338. — Reddish testaceous, elytra pale yellow; tip of antennae black; abdomen testaceous. Flowers: London district; Devon; Suffolk; Rothern; S. Wales: 4-6.

3401 ruficolle Pz. F. xxv. f. 5. — Ste. M. v. 340. — Rusty-red; glabrous; head black; thorax yellowish-red, with a distinct dorsal channel, and 2 basal impressions; elytra yellowish, twice as long as the thorax, thickly
punctured; legs testaceous-yellow; antennae black, base testaceous. (L. 1½ l.) Flowers: London district: 4-6.

671 Delphium Erichson.

3402 tectum Ph. E. iii. 68. — Oliv. E. iii. 42. pl. 3. f. 21. — Ste. M. v. 340. — Black; shining; slightly punctured; head smooth, with 2 frontal impressions; thorax transverse, pitchy-black; with a dorsal channel, sides testaceous; elytra very long, dull yellow; minutely punctured; legs and base of the antennae testaceous; apex of the latter dusky. (L. 1½ l.) Under stones; in dung: London district; Norfolk; Suffolk; Beverley, Yorkshire: 4-6.

672 Lathriæum Erichson.

3403 atrocephalum Gyll. iv. 463. — Ste. M. v. 342. — Testaceous-red, shining, deeply punctured; head pitchy-black; thorax transverse, slightly notched in front, the disc convex, with a faint channel, and 2 basal foveae; elytra thickly and coarsely punctured, the punctures somewhat disposed in striae; antennae dusky at the tip. (L. 1½ l.) Under stones: Coombe Wood: 4-6.

3404 melanocephalum Marsh. i. 127. — Oliv. E. iii. 36. pl. 3. f. 21. ? — Ste. M. v. 341. — Pitchy-red; glabrous; slightly shining; head dusky; thorax yellowish, truncate in front, disc punctured, and with a faint basal line: elytra ochreous, minutely punctured; abdomen reddish; legs and antennae ochreous. (L 1½ l.) Under stones: London district; Norfolk; Suffolk: 4-6.

3405 longipenne Kirby. — Ste. M. v. 342. — Griseous; glabrous; shining; very thickly punctured; head pitchy or black; thorax transverse, deeply notched in front, disc with a fovea on each side at the base; elytra scarcely shorter than the abdomen, flattish; abdomen dusky, apex pitchy-red; legs and base of antennae testaceous, apex of the latter black. (L. 1½-1¾ l.) Flowers, &c.: London district; Norfolk; Suffolk: 4-6.

3406 unicolor Marsham. — Ste. M. v. 343. — Testaceous; glabrous, shining; head smooth, with 2 minute foveae; thorax slightly notched in front, disc rather convex, thickly punctured, and with a smooth impression on each side; elytra long, dull yellow, coarsely punctured, punctures slightly disposed in lines; tips of antennae and eyes black. (L. 1½ l.) Flowers, &c.: London district; Norfolk; Suffolk; Devon: 4-6.

3407 nigriventre Ste. M. v. 343. — Testaceous yellow; slightly shining, finely punctured; head dusky; eyes black; thorax with the hinder angles rounded, disc not channelled; elytra long, finely punctured; abdomen black, its tip yellow; legs and antennae pale yellow, apex of latter dusky. (L. 1½ l.) Stones, &c.: London district: 4-6.

3408 inflatum Gyll. iii. 700. — Ste. M. v. 343. — Ovate, very convex; shining; testaceous red; rather deeply punctured; head pitchy; thorax short, disc convex, thickly punctured; elytra pitchy, rather pale anteriorly, moderately punctured; abdomen broad, pale beneath; legs and antennae pale testaceous. (L. 1½ l.) Stones: London district: 4-6.

673 Olophrum Erichson.

3409 piecum Gyll. ii. 200. — Ste. M. v. 341. — Sil. blattoides Ahr. N. A. H. ii. pl. 2. f. 3. — Convex; broad; dusky-piceous, or reddish-brown; shining; punctured; thorax transverse, with a basal impression; elytra thickly and rather coarsely punctured; legs and antennæ red. (L. 2 l.) Under moss, &c.: Coombe Wood; Norfolk; Suffolk; Devon; Itchills: 10-4.
3410 fuscum Grav. Mo. 211. — Moderately convex; pitchy-brown; shining; coarsely punctured; thorax with a smooth patch on the disc; elytra coarsely punctured, the inner punctures somewhat disposed in lines; legs and base of the antennae pale red. (L. 2 l.) Moss: N. of England: 12.

3411 consimile Gyll. ii. 199. — Ste. M. v. 341. — Convex; pitchy-black; shining; thickly and rather finely punctured; thorax very convex, a little narrowed behind, black, margin pitchy, base with an obscure fovea; elytra deeply punctured, the punctures somewhat in strix towards the suture; legs and antennae dull red. (L. 1½ l.) Moss: Scotland: 12.

3412 assimile Ph. F. iii. 409. — Rather convex; dull red; rather glossy; punctured; eyes black; thorax with the disc rather convex, with a faint dorsal line in front; elytra rather coarsely, and simply, punctured; abdomen pitchy; legs testaceous; antennae pale red. (L. 1½-1¾ l.) Moss, &c.: London district; Suffolk: 9-4.

674 Coryphium Kirby.

3413 angusticolle Kirby. — Ste. M. v. 344. — Black, or pitchy, rather shining; somewhat pubescent; thickly punctured; thorax somewhat longitudinally roughened; abdomen broad, acutely margined, its apex mucronated; legs and base of antennae testaceous. (L. 1¼ l.) Hedges: London district; Ipswich and Levington, Suffolk: 4-6.

675 Micralymia Westwood.

3414 Johnstonæ Mag. Z. § B. (West.) ii. 130. pl. iv. f. 1. — Shuck. B. C. pl. 15. f. 5. — Entirely black, not shining; somewhat smooth; slightly pubescent. (L. 1¼-1½ l.) Sea coast: Berwick-upon-Tweed; S. of Scotland: 7-10.

676 Omalium Gravenhorst.

§ A. Thorax obcordate.

3415 planum Ph. F. iii. 405. — Ste. M. v. 346. — Elongate, flattish; black; shining; very finely punctured; thorax with an entire faint dorsal furrow, and an oblong fovea on each side at the base; elytra and legs testaceous-brown, the former irregularly punctured; base of antennae testaceous, tip black. (L. 1¼ l.) Boleti: Hertford; Suffolk; Norfolk; Devon: 4-6.

3416 deplanatum Gyll. ii. 222. — Ste. M. v. 346. — Elongate, flattish; testaceous-red, or pitchy-black; shining; rather pubescent, and irregularly punctured; disc of thorax pitchy-black, not channelled, not foveolated; elytra testaceous-red, somewhat rugged; abdomen black above; legs and antennae red; head dusky; — sometimes entirely testaceous-red; or with the suture dusky or black. (L. 1¾ l.) In boleti: London district; Norfolk; Suffolk: 4-6.

3417 concinnum Marsh. i. 510. — Ste. M. v. 347. — Elongate, black; rather shining and pubescent; thickly punctured; thorax slightly convex, the disc with an obscure fovea; elytra dull rusty-red, very thickly punctured; legs and antennæ rusty-red, the latter short. (L. 2 l.) Boleti, &c.: London district; Norfolk; Suffolk; S. Wales: 4-6.

3418 brunnipes Ste. M. v. 347. — Rather elongate, black; shining; finely and thickly punctured; head broad; thorax slightly convex, the disc with a faint dorsal channel; elytra deep black; abdomen pitchy, edges of the segments and the apex pitchy-red; legs brown; antennæ dusky-brown, base pale. (L. 1½ l.) Boleti: Dover; Oakhampton: 4-6.
3419 monilicorne *Gyll.* ii. 219. — *Ste. M.* v. 347. — Rather elongate; flattish; black; shining, glabrous; head sparingly punctured, with 4 impressions placed 4-gonally; thorax thickly punctured, and with 2 oblong foveae; elytra pitchy, closely punctured; abdomen smooth, its apex pitchy; legs and base of antennae testaceous, 6 terminal joints of the latter black and moniliform. (L. 1½ l.) Boleti: London district; Suffolk; Bristol: 4-6.

3420 brunnipenne *Marsham.* — *Ste. M.* v. 348. — Rather elongate; pitchy-black; shining; thickly punctured; head flat; thorax with 2 shallow foveae on the disc; elytra brown, much punctured, the punctures somewhat disposed in sriæ; legs and antennæ brown. (L. 1½ l.) Boleti: London district; Norfolk; Suffolk: 4-6.

3421 picinum *Kirby.* — *Ste. M.* v. 348. — Linear; pitchy-black; very glabrous and thickly punctured; thorax with an obscure dorsal channel; abdomen very dull pitchy-black; smooth; legs pitchy, tarsi red; antennæ nearly filiform, black, the tip and the palpi reddish. (L. 1¾ l.) Boleti: London district; Devon: 4-6.

§ B. Thorax somewhat 4-drate.

3422 brunneum *Ph. F.* iii. 404. — *Ste. M.* v. 348. — Red-brown; shining; punctured: head dusky; eyes black; elytra somewhat punctate-striate, the tips dusky; abdomen strongly margined, the penultimate segment pitchy-black; legs pale testaceous-red; antennæ and palpi red. (L. 1-2 l.) Boleti, flowers, &c.: London district; Suffolk; New Forest; Devon: 4-6.

3423 iopterum *Kirby.* — *Ste. M.* v. 349. — Red, shining; thickly punctured; the punctures disposed in close-set striæ on the elytra; head, breast, suture, and tips of the elytra, and apex of abdomen, black; legs, base of antennæ, and palpi red. (L. 1-1½ l.) Boleti, &c.: London district; Suffolk; New Forest; Suffolk: 4-6.

3424 sordidum *Kirby.* — *Ste. M.* v. 349. — Dull testaceous yellow; very finely punctured; eyes black; elytra pale; abdomen dusky; legs and base of antennæ ochreous, tip of the latter black. (L. 1½ l.) Boleti: London district; Essex: 4-6.

3425 striatum *Grav. Mi.* 119. — *Ste. M.* v. 349. — St. minutus *Oliv.* iii. 42. pl. 6 f. 53. — Black; rather shining; glabrous; punctured; thorax with an obscure dorsal channel and 2 foveae; elytra pitchy-black, punctate-striate; abdomen broad; legs, base of antennæ, and palpi red, or testaceous, apex of antennæ dusky. (L. 1 l.) Boleti, &c.: London district; Barham; Norfolk; New Forest; S. Wales: 4-6.

3426 subpubescens *Kirby.* — *Ste. M.* v. 350. — Linear; shining black, with a pale silken pile, especially on the thorax and elytra; thickly punctured; abdomen broadish; legs pale testaceous, thighs darker, hinder ones dusky; antennæ black, with the base pale. (L. 1 l.) Boleti: London district; Suffolk; Yorkshire: 4-6.

3427 exiguum *Gyll.* ii. 218. — *Ste. M.* v. 350. — Black, obscure, thickly punctured; mouth pitchy; thorax with 2 oblong basal foveae; elytra flattish, pitchy-black, deeply and roughly punctured; abdomen rather glossy, smooth, strongly margined; legs testaceous; antennæ dusky-black. (L. 3 l.) Boleti: London district: 4-6.

3428 nigricolle *Kirby.* — *Ste. M.* v. 357. — Black, or pitchy-black; glabrous; punctured; thorax somewhat 4-drate, the margin reddish; elytra dusky-red; legs, palpi, and antennæ red. (L. 1½ l.) Hedges: London district and Suffolk: 4-6.
§ C. Thorax transverse.

a. Thorax obscetely, or not, foveolated.

3429 florale Ph. F. iii. 406. — Ste. M. v. 350. — Pitchy-black, shining; punctured; thorax with 2 very obsolete foveae; elytra finely punctured, the punctures somewhat disposed in striae; legs reddish; tarsi slightly dilated; mouth pitchy; antennae and palpi black. (L. 1½-2 l.)

Var.? Om. Viburni Grav. Mt. 117. — Ste. M. v. 351. — Elytra dusky or brown; legs pitchy, thighs dusky. Hedges: London district; and generally distributed: 3-8.

3430 Salicis Gyll. ii. 226. — Ste. M. v. 351. — Black, shining; flattish; deeply punctured; thorax with 2 slight bent foveae; elytra rather convex, somewhat regularly punctate-striate, especially near the suture; legs and antennae testaceous, or rusty-red, tip of the latter dusky; mouth red. (L. 1½-2 l.) Hedges: London district: 4-6.

3431 ruficorne Kirby. — Ste. M. v. 352. — Pitchy-black; slightly shining; glabrous; finely punctured; margins of thorax pitchy-red, disc with 2 obscure foveae; elytra with the punctures faintly disposed in striae; abdomen very obscurely punctured, tip pitchy-testaceous; legs and antennae testaceous; palpi red. (L. 1½ l.) Hedges: Bristol; Suffolk; Norfolk: 4-6.

3432 Salicinae Gyll. iv. 467. — Ste. M. v. 352. — Flattish; black; glabrous; thickly and deeply punctured; thorax with 2 oblong, very obscure foveae; the lateral and hinder margins, and sometimes the anterior one, dull red; punctures on the elytra disposed in striae; apex of abdomen occasionally reddish; legs and base of antennae testaceous, apex of the latter dusky. (L. 1½ l.) Hedges: London district: 4-6.

3433 lave Grav. Mo. 211. — Ste. M. v. 352. — Flat; black, shining; finely punctured; head large; thorax with 2 oblong obscure foveae, the sides more or less testaceous; elytra rather long, simply punctured; abdomen smooth, sometimes testaceous; legs, and 2 or 3 basal joints of the antennae testaceous; terminal joint of the latter black. (L. 1½ l.) Hedges: London district: 4-6.

3434 pilosulum Kirby. — Ste. M. v. 353. — Pitchy-black; very much punctulated; rather shining and clothed with a short pile; head neither punctured nor foveolated; thorax with an obscure dorsal line; legs, antennae, and palpi red. (L. ½ l.) Boleti: London district; Bristol; Yorkshire: 4-6.

3435 pusilum Gyll. ii. 218. — Ste. M. v. 353. — Flat; black; slightly shining; faintly punctured; thorax with the sides flattened, the disc dusky-brown, opaque, with 2 oblong, minute, obscure foveae; elytra dusky-brown; legs, antennae, and mouth dull-testaceous, tips of antennae dusky. (L. 1 l.) Hedges: London district: 4-6.

b. Thorax deeply foveolated.

3436 foveolatum Kirby. — Ste. M. v. 353. — Black; rather obscure; glabrous; smooth; thorax dull brown, with 4 large impressions placed transversely; elytra much longer than the thorax, brown, very smooth; abdomen black, or pitchy; legs pale-testaceous; antennae testaceous, apex dusky. (L. ½ l.) Hedges: London district; Suffolk.

3437 piceum Kirby. — Ste. M. v. 354. — Pitchy-red; finely punctured; thorax with 4 short foveae behind, the side ones broadest and oblique; elytra pitchy, shoulders testaceous; abdomen pitchy, tip red; legs and antennae testaceous, 5 terminal joints of the latter dusky. (L. 1½ l.) Hedges: London district; Suffolk; Devon; Raehills: 4-6.

shining; very thickly and very finely punctured; thorax with 2 short ovate foveae; legs reddish; antennæ dusky testaceous, the base blackish; palpi testaceous. (L. 1½ l.) Hedges: London district; Suffolk; Norfolk; Devon: 4-6.

3439 Oxya canthæ Knock. — Gyll. ii. 217.—Ste. M. v. 355. — Black; obscure; very thickly punctured; thorax with 2 elongate bent foveae, and a minute basal impression; legs reddish; antennæ dusky-testaceous, the 2 basal joints black. (L. 1½ l.) Hedges: London district: 4-6.

3440 rivulare Ph. F. iii. 407. — Ps. F. xxvii. f. 15. — Ste. M. v. 354. — Black; slightly shining; rather deeply punctured; thorax with 2 deep longitudinal bent foveae, and an obsolete one on each side towards the outer margin; elytra testaceous, or pitchy-brown, rarely dusky, with the shoulders testaceous; legs and base of antennæ dull testaceous, tip of the latter black. (L. 1½-2 l. Hedges, and generally distributed: ...).

3441 fuseum Ste. M. v. 355. — Pitchy-brown; shining; punctured; thorax with 2 moderately deep short foveae, and a slight depression on each side towards the hinder margin; elytra fuseous-brown, ratherly coarsely punctured; abdomen black; legs pitchy; antennæ black. (L. 1½ l.) Hedges: London district: 4-6.

3442 excavatum Kirby. — Ste. M. v. 355. — Flat; black; shining; thorax with the margin elevated, the disc with 2 deep oblong, approximating, dorsal foveae; elytra thickly but faintly punctured, with a slightly elevated line, strongly margined; legs pitchy, tibiae and tarsi paler; antennæ black. (L. 1½ l.) Hedges: London district; Suffolk: 4-6.

3443 subrugosum Ste. M. v. 356. — Black; shining; punctured; thorax with 2 deep longitudinal foveae, divided by a smooth space; elytra pitchy, somewhat roughly and very thickly punctured; apex of abdomen occasionally pitchy; legs red; antennæ pitchy. (L. 1½ l.) Hedges: London district: 4-6.

3444 pygmæum Ph. F. iii. 410. — Ste. M. v. 356. — Oblong-ovate, convex; testaceous red, pubescent; thickly and finely punctured; head pitchy-red; thorax with a basal impression; elytra with rather coarse scattered punctures; abdomen with the penult. segment sometimes pitchy; legs and antennæ testaceous. (L. 1 l.) Hedges: London district: 4-6.

3445 Primulæ Kirby.—Ste. M. v. 356.—Wedge-shaped, pitchy-black; shining; glabrous; punctured; thorax with a deep basal fovea, the sides rounded; elytra obliquely truncate, slightly margined; legs pale red; antennæ dull red, the base paler; palpi red. (L. 1½ l.) On flowers of primrose: London district; Suffolk: 4-6.

3446 latum Ste. M. v. 357. — Broad; shining black; punctured; thorax somewhat 4-drate-transverse, with 2 deep bent dorsal foveae in the middle, and a single shallow one on each side towards the hinder angles; elytra pitchy, rather thickly punctate-striate; legs, palpi, and antennæ testaceous. (L. 1½ l.) Hedges: London district: 4-6.

677 Acidota Kirby.

3447 crenata Fab. E. ii. 596. — Ste. M. v. 358. pl. xxvi. f. 6. a-d. — Black; shining; glabrous; punctured; sides of thorax, legs, and elytra brown, the latter punctate-striate; antennæ reddish, pilose. (L. 2½-3 l.) Amongst decaying firs: N. of England and Scotland; also Norfolk; rare near London: 5-6.

3448 rufa Grav. Mi. 115. — Ste. M. v. 358. — Red; shining, very glabrous; punctured; thorax with a large fovea, and 2 obsolete dorsal grooves towards the base; elytra somewhat punctate-striate; legs pale red. (L. 1½-2½ l.) N. of England, and in Scotland: 5-7,
678 Deleastfr Erichson.

3449 dichroa Grav. Mi. 188. — Ste. M. v. 359. — Le. Leachii Cur. vii. pl. 303. — Red; shining; glabrous; smooth; head black, mouth and palpi reddish; thorax with 3 foveae; abdomen and tips of elytra black; breast pitchey; legs and antennae pale red. (L. 2½-3 l.) Under stones: N. of England, near Carlisle; Barmouth; Ruchills and Braid Burn, near Edinburgh: 4-6.

679 Lesteva Latreille.

3450 caraboides L. ii. 685. — Olie. E. iii. 22. pl. 2. f. 17. — Ste. M. v. 260. — Red; very much punctured above; head with 2 foveae behind; eyes black; thorax heart-shaped; glossy; elytra yellowish-red; abdomen with a blackish spot on the back; legs and antennae pale yellowish-testaceous. (L. 2 l.) Under stones, &c.: rare near London; N. of England; Scotland; and S. Wales: 4-6.


3452 canaliculata Kirby. — Ste. M. v. 360. — Pitchy-black; pubescent; rather shining; head with 2 faint foveae, and 2 slight frontal impressions; thorax convex, with a dorsal channel, terminating in a fovea at the base; elytra rather coarsely punctured; legs dull red; antennae pale, middle dusky. (L. 2 l.) Cumberland, and near Edinburgh: 10-4.

3453 Hookeri Kirby. — Ste. M. v. 361. — Black; shining; glabrous; punctured; head with 2 small foveae, and 2 oblique impressions; thorax convex, thickly punctured, with a very obscure dorsal channel; elytra livid testaceous, base dusky within; legs testaceous, antennae dull red, the middle darkest. (L. 1½ l.) Also found in Scotland: 6.

3454 alpina Fab. E. ii. 598. — Olie. E. iii. 32. pl. 6. f. 55. — Flat; wedge-shaped; pitchy-red, shining, punctured; head unequal, with 2 frontal foveae; eyes black; thorax with 2 obscure foveolts in the middle; elytra yellowish-testaceous, pubescent; abdomen black, dilated beyond the middle; legs livid yellowish; antennae testaceous: head and disc of thorax sometimes pitchy-black. (L. 1½ l.) Under stones: London district; Scotland: 5-6.

3455 testacea Grav. Mi. 121. — Ste. M. v. 361. — Rusty-red, or testaceous; shining; punctured: head red, with deep foveae between the eyes; the latter black; thorax convex, shining red, glabrous; elytra pale, rather deeply punctured; tip of abdomen black, or dusky; legs and antennae testaceous. (L. 2 l.) Stones: Darenth Wood; Bristol; Jedburgh: 5-6.

3456 obscura Pk. F. iii. 388. — Ste. M. v. 361. — Car. dimidiatus Pz. F. xxxvi. f. 3. — Pitchy-black, obscure, pubescent; thickly punctured: forehead with 2 oblong impressions; thorax with 2 very obscure foveae on the disc; elytra flat, pitchy, thickly and finely punctured; abdomen black; legs dull testaceous, knees dusky; antennae pitchy-red. (L. 2 l.) Under stones: widely distributed: .

3457 plagiata Pk. F. iii. 387. — Ste. M. v. 362. — Black; shining; slightly pubescent; thickly punctured; front with 2 deep foveae; thorax with a basal impression; elytra with an oblong red stripe on the disc; abdomen large, ovate; base of the thighs reddish; palpi and base of antennae pitchy. (L. 2½ l.) Rare near London; Scotland: 6.

3458 ruiforinus Kirby. — Ste. M. v. 362. — Black; shining; punctured; head with 2 foveae behind the eyes; mandibles pitchy; thorax with an
obscure basal fovea; elytra depressed at the base towards the suture; legs black; tarsi slender, red; antennae black. (L. 1 ½ l.) Under stones: Charlton Wood, and Devonshire: 5-6.

3459 nigripes Ste. M. v. 363. — Deep black, somewhat obscure; slightly pubescent; finely punctured; forehead with 2 deep foveae; thorax not foveolated; elytra nearly as long as the abdomen; legs totally black; antennae dusky-black. (L. 1 ½ l.) Under stones, &c.: London district: 6.

3460 impressa Kirby. — Ste. M. v. 363. — Dull red, pubescent; rather shining; thickly punctured; head dusky, with 2 frontal foveae; eyes black; thorax irregularly impressed; elytra with 2 obscure foveae near the suture; abdomen black; smooth; legs and antennae pale red. (L. 1 ½ l.) London district; Bristol, and Barham: 3-6.

3461 planipennis Kirby. — Ste. M. v. 363. — Linear; black; slightly shining; and rather pubescent: head with 6 foveae; thorax irregularly impressed, and with a smooth dorsal ridge; elytra flat, lurid, base near the suture dusky; legs livid; antennae dull red. (L. 1 ½ l.) In Yorkshire, near Hull; Bristol: 6.

3462 Kirbii Ste. M. v. 363. — Brown-black; very finely punctured, and densely pubescent; head with 2 impressions; thorax with 2 foveae in the middle of the disc, and 1 basal in front of the suture; legs and antennae red. (L. 1 ½ l.) North Wales: 6.
APPENDIX.

Page 8.

Lebia.

34 Dele "Zoological Gardens, Regent's Park."

34 [ ] ephippium. — Pale red; eyes and a broad band behind the middle of the elytra, produced 3-angularly forwards on the suture towards the scutellum, black; tips of antennæ fuscous. (L. 2½ l.) Zoological Gardens, Regent's Park: 6.

Page 120. — Nos. 953 and 954. (§ A. Ste. M. iii. 42.) form the genus Cryptarchus Shuckard.

Page 135. — 1092 Ips? ferruginea forms the type of Pityophagus Shuckard.


1119 b † nitidus Fab. E. ii. 563. — Shuck. B. C. pl. 34. f. 6. — Black; glistening: antennæ, palpi, and legs dull red; elytra very finely punctate-striate. (L. 1½ l.) Under bark of trees: Sherwood Forest: 6.?

Page 141. — Gen. 201 § B. Biophleus De Jean, is Pediacus Shuck. B. C. pl. 34. f. 2.


1230 b picipes Fab. E. i. 92. — Shuck. B. C. pl. 41. f. 6. — Black, shining, punctured; antennæ and legs pitchy-red. (L. 1-1½ l.) Old palings: Camberwell; Windsor: 6.

Page 152.

Epierus.

1227 14-striatus. — Dendrophilus 14-striatus Shuck. B. C. pl. 41. f. 3.

Page 173.

Agrilus.

A new and beautiful species of this genus has recently occurred in Dumfriesshire, in June: it will shortly be described by Mr. Shuckard: it appears greatly allied to A. mendax Man. Env. p. 111.

Page 191.

Ragonycha.

1511 b † fulvicollis Stephens. — Black; head tawny-red, with a yellowish patch beneath each eye; thorax bright tawny, the margins a little dusky; base of scutel reddish; elytra roughish, dusky black; body beneath, coxae, and base of anterior thighs tawny-chestnut; legs brown-black. (L. 4½ l.) Hedges: Deal: 6.

Page 200.

Ptinus.

1581 b hololeucus Falderman? — Pale ochreous-red; densely clothed throughout with a pale ochreous silky down. (L. 1½-2 l.) Houses London, 6; whitethorn hedge, Ryde, 6; but probably introduced.)
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* In the foregoing Index, the sectional and family names are in capitals, the synonymes in italics, and an asterisk is annexed to those genera whose characters were first published by me, although in several instances previously named by others. The first column of figures shows the number of species in each genus or subgenus; the second, the page where the description of the genus occurs; the third, the page where that of the species in the respective genera commences; and the fourth refers to the Appendix.

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