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IN BUSINESS FORTY-EIGHT YEARS

1925

CHAAPEL'S

SEED STORE

WILLIAMSPORT, PENNA.

Everything for the Farm, Garden and Poultry · Bee Supplies
THE HOME GARDEN

No vegetables ever come to the home table like those gathered fresh from the home garden

It’s a common saying that a good garden furnishes one-half the food of a family. This is true or false as we interpret the term “good garden.” A real garden is supposed to supply fresh vegetables in abundance during the growing season, a surplus for canning purposes, so that the home may have all the good, wholesome, canned tomatoes, beans, peas, corn, asparagus, etc., that are used during the winter season, and an extra surplus for the market. A good garden supplies something for the table every day in the year.

SEEDS FOR MARKET-GARDENERS

The steady increase of our business with market-gardeners from year to year is due to the quality of Chaapel’s Seeds and the personal service of the management. Our local gardeners profit by this service, and that they appreciate it is evidenced by our increasing business with this critical trade.

Many of our customers, especially those living in Lycoming and adjoining counties, are acquainted with us personally; it’s an honor to us, and a pleasure, to have you visit our store. Come in and make yourself at home. Ask us for information and make our store your headquarters while in Williamsport; if you can’t come, be friendly and write occasionally.

We solicit your continued patronage on our service, the merit of our seeds, and the fairness of our prices.

HARRY CHAAPEL
P. A. McCOWAN

CHAAPEL’S SEED STORE
In offering you our 1925 Catalogue, we do so feeling that, more than ever, we are offering you a greater variety of the things you desire, supplemented with our experience of supplying your needs for the past 48 years.

Our Vegetable and Flower Seeds are of the best quality experienced growers can produce. We observe the utmost caution in the handling of these seeds.

Our Field Seeds are selected with special reference to their purity and germinating qualities and their adaptability to our customers' locations.

Our Implements are all standard makes which have been used extensively in this territory and have stood the test of time and use. Our service is unexcelled.

Our Dairy Supply Department includes a full line of the necessary equipment and supplies for the modern dairy.

Our Poultry Supply Department includes a full line of the latest improved requisites for poultry-raising, and an unsurpassed line of feeds and remedies.

Our Bee Supply Department is filling a long-felt want. We carry in stock a full line of A. I. Root Company's beekeepers' supplies.

Our Fertilizer Department is complete. We carry the raw materials such as acid phosphate, nitrate of soda, potash, and other chemicals, Royster's and Armour's brands of mixed commercial fertilizers, and Sheep Head brand of pulverized sheep manure.

In Our Spraying Department are found the latest scientific prepared and raw chemicals for the control of plant diseases and pests, and sprayers to suit the needs of the small gardener or the largest commercial grower.

We wish to express to you our appreciation of the generous patronage of the past year, and, assuring you of our earnest desire to serve you, we are,

39 E. Third St. } Williamsport, Pa. Yours truly, CHAAPEL'S SEED STORE 40 E. Willow St. January, 1925
Making the Most of the Home Garden

There is no greater pleasure, once you start a garden, than to grow your own vegetables and to gather them crisp and fresh for your own table every day, for the greater part of the year, and have them during the winter as well. You will not only find it a pleasure, but a profitable one at that.

Moreover, these vegetables will be far superior to any that can be purchased in the market, because they will be fresh. That is an important item. Sweet corn loses a large percentage of its sugar in half a day. Peas deteriorate rapidly after they are picked, and so do other vegetables. Moreover it is often impossible to buy the best varieties in the market, because they are tender and hard to handle. The coarser kinds are easier to ship, and so the market-gardeners grow those kinds.

Yet, if the amateur is to make the most of his vegetable garden, he must prepare the ground well and make a little study of such matters as intercropping and succession cropping, which simply means keeping all the ground occupied all the time. He must use plenty of fertilizer and buy his seeds of a reliable seedsmen rather than at the corner store.

Plan Your Garden

Upon receiving this catalogue it is well to consider your garden for the coming year. In the late winter and early spring evenings it is a pleasant and profitable pastime to take a seed catalogue, study and order the kinds of seed you want to grow, and mark on the order sheet the amount of each kind of vegetable and flower seeds you require. This “indoor farming” is great sport and can be enjoyed by the whole family, including the “kiddies.”

Talking over and studying the cultural methods and habits of plants, the time to plant them, whether they require starting indoors or under glass, or can be planted in the open ground early or, as with some of the tender sorts, after all danger of frost is past—all help to make the garden a success.

The Seeds

The seeds for the vegetable garden should be selected with care and purchased only from reliable seedsmen who make it a business to supply seeds that are true to name, fresh, and reliable. We of Chaapel’s Seed Store pride ourselves upon our knowledge of the seed business and the quality of our seeds, the service and information we are able to give our customers. Our long and continuous experience as seedsmen gives us information as to the varieties best suited to your location, the amounts and kinds of fertilizers to use, the amounts and kinds of spray, and when to apply them. This we offer you free of charge.

Preparing the Soil

After the seeds have been selected and ordered, the next important operation for the successful garden is the preparation and fertilizing of the soil, the supplying of sufficient plant-food and humus to insure vigorous growth, by the application of farmyard manure or commercial fertilizers. The ground for the vegetable garden should be well plowed or spaded, harrowed, or raked. The seed-bed should be made as fine as possible, and, after the seeds are planted, cultivation should be thorough and regular so as to conserve the moisture and keep the weeds in control and the plants growing.

Useful Information about Fertilizers and How to Apply Them. Pamphlet Free on Request
NEW VARIETIES of tried and tested merit which we are listing for the first time.

It is our custom never to offer our customers freak varieties, but to be satisfied
in knowing that in this catalogue are only the sorts that have proven satisfactory
and have stood the test of time. In listing these specials we do so, feeling
confident that we are offering our customers varieties that have stood the
experimental stage, varieties which we personally can guarantee and
recommend. We believe no garden can be complete without these sorts.
To introduce them we are offering the collection at special prices.

<table>
<thead>
<tr>
<th>Special Introductory Offer</th>
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<tbody>
<tr>
<td>1 pkt. Bountiful Bush Beans ........ $0.15</td>
</tr>
<tr>
<td>1 pkt. Boston Crosby Beet ........ 10</td>
</tr>
<tr>
<td>1 pkt. Coreless Half-Long Carrot .... 10</td>
</tr>
<tr>
<td>1 pkt. Fordhook Emperor Celery ..........</td>
</tr>
<tr>
<td>Complete collection postpaid, 75 cts.</td>
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Boston Crosby Beet
A good selection from Crosby’s Egyptian with smaller tops and tap-roots, globular in shape, early, remarkably uniform, color black-red with deep purplish red flesh, almost free from lighter colored rings or zones. For the grower who objects to the lighter colored Crosby’s, Boston Crosby Beet is the best introduction of a marketable size Beet of the highest quality. (See illustration, page 13.) Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. $1.25.

Coreless Half-Long Carrot
A half-long, cylindrical, blunt-pointed early, table Carrot, with a small tap-root and top. The roots are medium size, 6 to 8 inches long, being practically the same size from crown to bottom, and of a bright orange color. The flesh is of fine texture, tender, almost coreless, sweet and mild flavored of a rich orange-red color.

Being of attractive appearance, uniform in size and color and earliness, makes it an ideal Carrot for the market and home gardener. We strongly recommend this Carrot and urge its planting. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.

Whipple’s Early (White) Sweet Corn
A new Corn as early as Cory and as large as Evergreen. The kernels are like Evergreen, deep and narrow and they are tender, very sweet, and delicious. The ears are 7 to 8 inches long, with 16 to 20 rows of good-sized kernels. They look like Evergreen—they taste like Evergreen. Pkt. 15 cts., ½ pt. 20 cts., pt. 30 cts., qt. 50 cts., 4 qts. $1.50, pk. $2.75, bus. $9.
Golden Acre Cabbage

This is an extra-early strain of Copenhagen Market, which it resembles in every respect except size. The heads are of medium size, weigh 4 to 5 pounds, are as round as a ball, and very firm. The plant is of dwarf, compact growth, the average plant having but thirteen leaves, which allows close planting. Practically all the plants make perfect heads and mature at very nearly the same time, making it an ideal crop to be followed by late celery. Golden Acre matures earlier than any other variety, heading a week earlier than Jersey Wakefield and ten to fifteen days earlier than Copenhagen Market. Matures in 80 days from planting of seed. Pkt. 25 cts., ½oz. 75 cts., oz. $1.25, ¼lb. $4.50.

Bountiful Green-Pod Bush Bean

A prolific and continuous bearer, the first in spring—the last in fall—stringless, very tender and of delicious flavor. A green-podded Bush Bean of superior quality, hardy, prolific, and extremely early. The first Bean fit to pick in the spring, having rich green pods entirely free from strings, of immense size, thick broad and extra long, uniform in shape, meaty and of a distinct delicious flavor. Pkt. 15 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

Fordhook Emperor Celery

An acquisition of outstanding merit, and a Celery of unsurpassed quality, one that meets the exactions of the large and small grower for an extra-good sort. A dependable cropper and good keeper, Fordhook Emperor is of true dwarf type, having a rich dark green foliage with slightly savoyed leaves. It is not as subject to insect ravishes and plant diseases as other varieties and therefore easier to grow. It is of the same high quality as Giant Pascal but, unlike that and other quality Celeries, in less likely to produce hollow stalks. The stalks are smooth, brittle, very thick, solid and of a decided nutty flavor, blanching white with a heart tinged yellow. Fordhook Emperor has superseded most quality Celeries sold on the Williamsport market, and we join in recommending the variety to our customers. Pkt. 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. $2, lb. $7.50.

Harris' Earliest Pepper

See description and prices on page 19.
**Little Marvel Dwarf Peas**

As a large-podded, short-vined variety, Little Marvel stands at the head of its class

A new, dwarf, first-early Pea of unusual value, but recently on the market. The demand among market-gardeners for this variety is already enormous. The vines average 15 inches in height, and the pods 2½ inches in length, frequently borne in pairs. The pods contain six or seven large, dark green Peas, which remain in good eatable shape a week later than most other varieties. This variety is as early as Nott's Excelsior or American Wonder, but produces a much larger pod, and the vines produce a much heavier crop. Its dark green pods are a more attractive color than the light green sorts. A desirable Pea for both the home garden and market. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12. If wanted by parcel post, add postage, 10 cts. extra for first quart, 2 cts. for each additional quart.

**Thomas Laxton. The Popular Market Pea**

Closely resembling but hardier than Gradus, and a more abundant yielder than the famous Gradus—as a long-podded extreme-early wrinkled Pea—and in some respects is even better! The growth is identical, but the pods are a deeper, richer green and square at the end. In the judgment of experts, Thomas Laxton is even sweeter and finer in flavor and as the large Peas are of a deeper green, they present a more attractive appearance. Thomas Laxton can be planted earlier than most wrinkled sorts. It is the first Pea of quality appearing in quantity on the markets.

*As a money-maker this Pea surpasses all others*

We highly recommend it for the market-gardener—our stock of this variety was especially grown for us. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.
Peas of Special Merit
NORTHERN-GROWN

Sow the earliest varieties as soon as the ground can be worked in the spring. The wrinkled varieties are not so hardy as the smooth sorts and should not be planted quite as early. The rows must not be closer than 2 feet for the dwarf varieties, the taller Peas farther apart, sowing about 1 quart to 75 feet of row.

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART

Prizewinner. A New Main-Crop Pea

In this splendid variety, which comes to us from one of England's best Pea-breeders, we have an ideal dwarf, main-crop Pea, giving us as many and as large pods as the very tall varieties—in truth it is a fine "Dwarf Telephone." The vine is remarkably sturdy, reaching a height of 2½ feet, and the foliage is heavy and very dark green. The pods are from 4½ to 5 inches in length, very broad and heavy, straight, pointed, dark green and containing nine very large deep green Peas of most excellent quality. We recommend the Prizewinner for a main-crop Pea where dwarf growth, productiveness, and high quality are desired. Pkt. 10 cts., 1/4 pt. 25 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

Blue Bantam Peas

Blue Bantam, or Hundred Fold
A Telephone pod on a dwarf Pea

It is unequalled for combination of extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average 15 inches in height and carry really enormous crops of large, deep bluish green pods. The handsome pointed pods, generally borne singly, measure 4 to 4½ inches long and are tightly packed with eight to ten large, deep bluish green Peas. These Peas are not only large in size, but of most luscious flavor. The pods are ready to pick as early as American Wonder, while double the size; in fact, they average fully as large as Gradus. Pkt. 10 cts., 1/4 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

New English Pea, Peter Pan
A Dwarf Gradus

This is the newest of the large-podded, extra-early, dwarf wrinkled Peas. The vines are dark green, extremely vigorous, growing 15 to 18 inches high. The pods are long and pointed and well filled with large, sweet, wrinkled Peas of most delicious quality. Pkt. 10 cts., 1/4 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

Alaska Early of all Peas

The earliest of all extra-early varieties. Can be planted as soon as the frost is out of the ground. Pods dark green, well filled and ripening uniformly. One of the best for the market garden. Vines 2½ feet high. Pkt. 10 cts., 1/4 pt. 15 cts., pt. 25 cts., qt. 45 cts., 4 qts. $1.75, pk. $3, bus. $10.

Peas are different from all other vegetables—the seeds are large and only one stem grows from each seed. They do not tiller; the plant is not bushy. They must be planted close together—12 to 16 seeds to the foot.

While a 5-cent packet of lettuce or radishes might suffice for the family garden and yield sufficient portions for numerous meals, a like amount of Peas will not. It requires 1 pint to plant 40 feet of row. Peas form a profitable crop to grow. Plant all you have room for.

OUR POLICY: RELIABLE SEEDS, REASONABLE PRICES
Garden Peas of Special Merit

Wrinkled varieties are marked with a star (*). The height is given after each variety. Liberal packets, 10 cents, postpaid. If ordered by parcel post, add postage. See third page of cover.

Extra-Early Varieties

Best Extra-Early. Superior strain of the extra-early Peas; first to plant and most profitable. Height 2 1/2 feet. 1/2 pt. 15 cts., pt. 25 cts., qt. 45 cts., 4 qts. $1.75; pk. $3, bus. $10.

*Sutton’s Excelsior. This is one of the most popular extra-early wrinkled varieties, especially with the market-gardener. Pods contain from six to eight large Peas, packed very closely together in the pod, making them more square than round. Pods average about 3 inches in length. Peas of superior quality. Height 15 inches. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. $1.75, pk. $3.25, bus. $11.

*Gradus (World’s Record). The best known of the large-podded early wrinkled Peas, maturing a few days later than the extra-early varieties. It is of superior quality in size and flavor, grows 3 feet high; a regular market-garden Pea. Pkt. 10 cts., 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.


Second-Early and Late


*Prince Edward, or PRODIGIOUS. A new variety with pods even larger than Alderman. The pods often grow nearly 6 inches long and are well filled with large Peas of the very finest quality. Vines grow 4 feet tall and are fairly prolific. A grand variety for those who want the very largest and best Peas that can be grown. Season medium late. 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

Inoculate this seed with NODULE-BACTER. Inoculate your Peas with Nodule-Bacter. It helps raise better crops and improves the land.

*Sutton’s Excelsior Peas

Gradus or World’s Record Pea


Beans, Dwarf Wax or Butter

We DO NOT PAY POSTAGE ON BEANS (EXCEPT PACKETS). IF ORDERED BY PARCEL POST, ADD 10 CTS. EXTRA FOR FIRST QUART, AND 2 CTS. FOR EACH ADDITIONAL QUART.

We condense into the following list the best Wax or Butter Beans—sorts that yield and sell well in all sections.

Pencil-Pod Black Wax Dwarf or Butter Beans

The meatiest, crispest, most brittle, and entirely stringless Bean grown—the one “Best Bean.” It is early, prolific, entirely stringless under all conditions, and can be grown for early spring, midseason, and late canning markets. It is of such superb quality that growers do not try to sell other wax varieties in competition with it. The seed is shining blue-black; the pods are large—5½ to 6 inches long—round, nearly straight and crease-backed, strictly stringless, free from fiber, fleshy and brittle, of the highest quality and of a clear yellow color, cooking with a delicious flavor. The bushes are dwarf, prolific, and sure croppers. This variety produces those beautiful, round yellow stringless Beans that are first to appear on our market stands each year. Pkt. 10 cts., 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12. Postage extra. See 3d page cover.

Bountiful or Webber Wax (Flat-Pod)

A high quality, flat-podded, stringless variety of the season of Wardwell’s Kidney Wax. Pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy, stringless and brittle, with little fiber. Plant more vigorous and productive than Wardwell’s. Color of pod is a decided bright yellow. Seed yellow, kidney-shaped. Pkt. 10 cts., 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12. Postage extra. (See illustration.)

Improved Rust-Proof Golden Wax

This Bean does well under almost all garden conditions, is always reliable and sure to produce a crop. It is one of the earliest of the popular six-weeks’ dwarf Beans for the market and private home-gardens. The plants are erect, compact, and productive. The pods are of medium length, 4½ to 5 inches, nearly straight, broad, half-round, golden yellow, very fleshy, wax-like, and stringless. Pkt. 10 cts., 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12. Postage extra. See 3d page cover.


WARDWELL’S KIDNEY WAX. One of the best large-podded varieties. The medium-sized plant becomes loaded with long, broad, flat, beautiful waxy pods, which are stringless and exceedingly brittle; the dried Beans are of a distinct kidney shape. Pkt. 10 cts., 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12. Postage extra. See 3d page cover.

HODSON WAX. A vigorous grower and the yield of large, handsome pods is enormous. Their color is a clear creamy white; very long, straight, or slightly curved, flat but fleshy. While late in maturing, the remarkable vigor of the plant is an effectual safeguard against blight and other Bean diseases. Pkt. 10 cts., 1/2 pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

Inoculate this seed with NODULE-BACTERIA

Webber Wax Bush Beans

Postage Extra.
See Third Page Cover
Green-Podded Dwarf or Bush Beans

IF BEANS ARE WANTED BY PARCEL POST ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART

BURPEE'S STRINGLESS GREEN-POD. Very hardy and extremely early sort of extra-fine quality. Vigorous; upright in habit; extremely early; handsome appearance; finest quality of pods. Stringless Green-Pod is the quickest to produce; pods of a rich green, very round and straight, 5 to 6 inches long, solidly meaty. The pods are brittle and of finest flavor, tender, always stringless even when fully matured; extra hardy. Pkt. 10 cts., ½ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.

IMPROVED EARLY RED VALENTINE. The healthy, vigorous plants are unusually hardy, successfully withstanding early frosts; it may therefore be planted very early. It will always yield a large crop of handsome, long, round, fleshy pods. Pkt. 10 cts., ½ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. $2, pk. $3.75, bus. $12.


Bush Field Beans

WHITE MARROW. Everybody uses them. It is a good, profitable crop to grow. Pkt. 10 cts., ½ pt. 15c., pt. 25c., qt. 50c., 4 qts. $1.35, pk. $2.35, bus. $9.25.

WHITE KIDNEY. The Beans are white and larger than White Marrow. Pkt. 10 cts., ½ pt. 15c., pt. 25 cts., qt. 50 cts., 4 qts. $1.35, pk. $2.35.

BOSTON SMALL PEA or NAVY. Produces small, white Beans, suitable for soup or baking. One of the best for this purpose. Pkt. 10 cts., ½ pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. $1.35, pk. $2.35.

RED KIDNEY. An old variety; very popular. Seed is red; plant grows dwarf. Pkt. 10 cts., ½ pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. $1.35, pk. $2.35.

Pole or Running Beans

These are of strong, running growth, and need stout poles on which to climb. They require a longer season in which to mature than do the bush varieties, but by reason of their stronger growth are more productive and, growing on poles, are more easily gathered. Several varieties are desirable as Shell Beans.

EARLY GOLDEN CLUSTER WAX. Very early; fine quality; stringless; very productive; remains tender long after pods are developed. Beautiful golden yellow pods, very broad and 8 to 12 inches long. Good both for snap and shelling. (See illustration.) Pkt. 10 cts., ½ pt. 25 cts., pt. 45 cts., qt. 75 cts., 4 qts. $2.50.

KENTUCKY WONDER, or OLD HOMESTEAD. The pods, 7 to 9 inches long, are so fleshy that they are greater in width than breadth, being deeply creased or saddle-backed. They are solidly meaty, stringless when young, and of finest quality. Pkt. 10 cts., ½ pt. 25 cts., pt. 45 cts., qt. 75 cts., 4 qts. $2.50.

LAZY WIFE'S. The pods, of medium dark green color, measure from 4½ to 6 inches in length. They are broad and retain their rich, tender, and stringless qualities until nearly ripe. Each pod contains from six to eight round white Beans, which make excellent winter Shell Beans. Pkt. 10 cts., ½ pt. 25 cts., pt. 45 cts., qt. 75 cts., 4 qts. "$2.
Bush Lima Beans

Burpee's Improved Bush Lima. The best of the dwarf Limas, having enormous pods filled with Beans that are larger and thicker than the old Burpee's Bush Lima and fully a week earlier. The Beans are meatier and better flavored and retain their greenish appearance much longer than the old type and they are heavier croppers.

BURPEE'S IMPROVED. This is about the earliest maturing of the large-seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about 5 inches long, thick and usually contain four Beans, which are unusually thick, of largest size and of excellent quality. Seed very large, thick, and usually shows a greenish white tinge which is generally considered an indication of superior quality. One of the best and most extensively used Bush Limas for the market as well as home-garden. Pkt. 15 cts., ½ pt. 25 cts., pt. 45 cts., qt. 85 cts., 4 qts. $2.75, pk. $5, bus. $18.

The Fordhook Bush Lima is superior in many respects, being a shorter and thicker Bean, more round than long. In Northern localities both the Bush and Pole Limas are difficult to get through the ground, due to their manner of growth and the desire of gardeners to plant before the soil and weather conditions are right. To obtain the best success in planting Lima Beans, do not plant too early, have the ground thoroughly worked and fertilized, and plant the Bean edgewise with the eye downward; a good way is to just press them into the soil. Do not cover more than 1 inch, ½ inch is better.

FORDHOOK. An improved Dwarf Lima of the Kumerle type, but much more productive and matures earlier. It is sometimes called Potato Bush Lima. The plants are vigorous and erect, bearing well above the ground. The pods, which are produced in large clusters, are medium green, about 4½ inches long and each contains three to five large Beans of exceptionally fine quality. Seed large, irregularly oval in shape, very thick, white with greenish tinge. This sort is popular for home and market use, especially in the East. Pkt. 15 cts., ½ pt. 25 cts., pt. 45 cts., qt. 85 cts., 4 qts. $2.75, pk. $5, bus. $18.

We supply liberal packets at 15 cts. each, postpaid

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART

Pole or Climbing Lima Beans

A good warm loam is required to grow the Pole and Bush Limas successfully. Put five or six seeds in hills 3 to 4 feet apart each way, placing them edgewise, with the eye downward, and covering 1 inch deep. Pole Limas require poles 7 feet high. Pinch back when the vine reaches top of the pole and the yield will be increased.

GIANT PODDED. The largest-podded Lima in cultivation and of extremely vigorous growth. The pods, which mature in midseason, are borne in clusters of six to eight, and measure about 7 inches long by 1½ inches broad; Beans extra large and of excellent quality. Undoubtedly the best of all the large-podded varieties. Pkt. 15 cts., ½ pt. 25 cts., pt. 40 cts., qt. 75 cts., 4 qts. $2.50, pk. $4, bus. $15.

EARLY LEVIATHAN. This is the earliest, large-podded Pole Lima that we know. Very large pods are produced in clusters and in great abundance, often containing five Beans which are of good size and of the finest quality. Pkt. 15 cts., ½ pt. 25 cts., pt. 40 cts., qt. 75 cts., 4 qts. $2.50, pk. $4, bus. $15.

KING OF THE GARDEN. The vines of this standard Pole Lima are very vigorous and productive. The pods are medium dark green, very large, 5 to 6 inches long, broad, flat, filled with four or five very large white Beans of finest quality. On account of its large pods it is a favorite with market-gardeners. It will come into bearing earlier and make larger pods if not more than two vines are left to grow on a pole. Seed very large, ovoid, flat, white, with slight greenish tinge. Pkt. 15 cts., ½ pt. 25 cts., pt. 40 cts., qt. 75 cts., 4 qts. $2.50, pk. $4, bus. $15.
Howling Mob

Sweet or Sugar Corn

It is conceded by almost everybody that Golden Bantam is the finest extra early Sweet Corn, but you should try the New Golden Sweet Corn, Bantam Evergreen. Mammoth White Cory and Whipple's Early are the sweetest and most prolific of the extra-early white varieties.

Howling Mob and Kendel's Early Giant are the largest, finest early Sweet Corns, noted for their extreme earliness and large ears. Early Minnesota is the most popular of the second-early varieties; ears of fair size and good quality. Rice's Early Evergreen is about 10 days earlier, equal in quality and almost as large as Stowell's Evergreen; a most popular variety. Country Gentleman is entirely distinct; cob small, with deep, pearly white, pointed grains. Stowell's Evergreen, the standard main crop, is of the best quality; ears and foliage large; it is the best-known variety for the home and market-garden.

IF CORN IS WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART

Howling Mob. A Sweet Corn that produces, early in the season, a large ear possessing the paper whiteness and the sweet flavor of the late varieties. The stalks are strong, of vigorous growth—5 feet high—with abundant foliage, producing two good ears to the stalk. Ears measure 8 to 9 inches, with 12 to 14 rows of good-sized pearly white sugar-sweet grains. In size and quality Howling Mob resembles the later varieties; in earliness, the extra-early varieties, coming on but a week later than Mammoth White Cory. A great Corn for the home and market-garden. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8. Postage extra.

Kendel's Early Giant. Remarkably large in ear for a second-early sort and extensively grown in some localities for the market. The stalks are about 3½ feet high. The ears are about 8 to 9 inches long, 12-rowed. The grain is white, rather broad and shallow, and the quality is very good. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8.

Country Gentleman. (Shoe-Peg.) The exceptional quality and depth of grain make it one of the best eating varieties. Besides this, it remains tender and fit for use longer, perhaps, than any other sort. The stalk grows 6½ to 7 feet high; the ears are from 6 to 7 inches in length and are well filled at the ends. The eating qualities of this variety are very good, and the small cob allows room for full development of deep, sweet kernels. The stalks often bear two and three ears each. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8.

Early Minnesota. An early sort with 6-foot stalks bearing one or two ears. Ears 8 inches long, 8-rowed; kernels broad, sweet, tender. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8.

Rice's Early Evergreen. A variety possessing the good qualities of Stowell's Evergreen and maturing fully a week earlier—about August 1. Stalks about 7 feet high; ears 7 inches or over; kernels deep, narrow, tender, and very sweet. Stays in its prime a long time. A splendid home-garden or market type. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8.

Stowell's Evergreen. This is considered the standard late or main-crop variety throughout the country. Our strain of this is extra choice and we spare no efforts to constantly improve it. The stalks grow 7 to 8 feet high. Ears average 8 inches long, are well-filled with numerous rows of slim, deep kernels of good quality. The standard for canners. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8.

Pop-Corn

Queen's Golden. A smooth yellow variety that is very prolific and of excellent quality. The grains pop perfectly white and very large. Ears 6 inches long, well filled; kernels smooth, and a rich golden color; cob white. Usually bears two ears to a stalk. Pkt. 10 cts., 1/2 pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8.

Sweet Corns of Special Merit

Whipple’s Early (White) Sweet Corn

A new Corn as early as Cory and as large as Evergreen. The kernels are like Evergreen, deep and narrow. They are tender, very sweet and delicious. The ears are 7 to 8 inches long, with 16 to 20 rows of good-sized kernels. They look like Evergreen, they taste like Evergreen, yet they mature three weeks earlier, a few days later than Cory and a week ahead of Howling Mob. Pkt. 15 cts., ½ pt. 20 cts., pt. 30 cts., qt. 50 cts., 4 qts. $1.50, pk. $2.75, bus. $9.

Mammoth White Cory

THE EARLIEST SWEET CORN GROWN

One of the sweetest Corns grown. Our stock of this popular extra-early Sweet Corn has been bred for earliness, size, and sweetness, and we recommend it to all our customers who specialize in extra-early Sweet Corn. Usually produces two handsome ears on each stalk, 7 to 8 inches long, having 10 to 12 rows of broad, pearly white grains, tender and sweet, of the best table quality. Pkt. 10 cts., ½ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8. If wanted by parcel post, allow for postage. See 3d page cover.

Golden Bantam

THE EARLIEST AND SWEETEST YELLOW-GRAINED VARIETY

This variety is becoming each year more firmly fixed in popular favor because of its extremely early character and vigorous growth. It is actually the finest flavored of all Sweet Corns and is pronounced by thousands of planters the finest extra-early Sweet Corn ever grown. Golden Bantam is as distinct in flavor from that of the white varieties as in color, being almost literally “sweet as honey.” It is, without doubt, the best variety of Corn we know of. Having once tasted the flavor of Golden Bantam Corn, to the connoisseur the taste of other varieties becomes commonplace. Pkt. 10 cts., ½ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8. Allow for postage, if wanted by parcel post. See 3d page cover.

Bantam Evergreen

THE GREATEST SWEET CORN EVER INTRODUCED

Bantam Evergreen is a late introduction of the Golden Sweet Corn, a cross between Golden Bantam and Stowell’s Evergreen—and now running nearly true to type; equal to both parents in rich sweetness and tender quality. The cob is just the right size for eating. People who regard Golden Bantam as “a wee bit too small” and Stowell’s Evergreen as “a bit too large,” find in Bantam Evergreen the long-sought-for Sweet Corn of the right size, golden color, and superior quality. The kernels are plump, nearly as broad as Golden Bantam, and not quite so deep as Stowell’s Evergreen, cream-colored, tender, sweet, and delicious. Pkt. 10 cts., ½ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. $1.25, pk. $2.25, bus. $8. Postage extra. See 3d page cover.
Table Beets

Beets are so easy to grow you should plant at least a row or two in your garden. They may be cooked and sliced for salads; buttered beets are delicious; a few jars of pickled beets will be a treat in the winter. If you like greens you will appreciate Beets and swiss chard. Sow as early as the ground can be prepared. For fall and winter use make a later sowing. Sow 1 ounce to 50 feet of drill.

BOSTON CROSBY. A good selection from Crosby’s Egyptian with smaller tops and tap-roots, globular in shape, early, remarkably uniform, color black-red with deep purplish red flesh, almost free from lighter colored rings or zones. For the grower who objects to the lighter colored Crosby’s, Boston Crosby Beet is the best introduction of a marketable size Beet of this highest quality. Pkt. 10 cts., ½ oz. 15 cts., oz. 20 cts., ¼ lb. 50 cts., lb. $1.25. (See illustration below.)

Detroit Dark Red. Form globular, smooth roots, with small tops; skin blood-red; flesh dark red, tender and sweet. Deservedly a popular favorite for canning, because of its extra-deep dark red color. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1, 10 lbs. $7.50.

Mangel-Wurzel Stock Beets

Greatest milk-producing root grown
Sow in May and June, 5 to 6 pounds to an acre in rows 1½ to 2 feet apart, and thin to 8 inches between plants

The value of Mangels for stock-feeding is clearly seen in the improved health and condition of the animals, the increased flow and quality of milk from cows, and the saving in fodder. They yield enormously and can be grown at trifling cost. About one-fourth of the daily rations should be of roots. They are also excellent feed for poultry. Read 3d page cover.

LARGE SILVER SWISS CHARD. Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It is hardy and productive, with broad green leaves and large white midribs or chards of excellent quality; can be sown at different seasons of the year, giving successive greens. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1.

DO YOUR SEED BUYING EARLY, FOR A SEED STORE IN APRIL OR MAY IS LIKE A TOY STORE ON THE NIGHT BEFORE CHRISTMAS.
### Asparagus

**Washington Rustproof.** This new strain is the result of years of plant-breeding conducted by the Bureau of Plant Industry of the U.S. Department of Agriculture. It is a rust-resistant, vigorous, high-yielding strain of giant Asparagus, and by comparison with all other varieties which have been in standard use during recent years, the Washington strain stands in a class by itself. Pkt. 10 cts., oz. 45 cts., ¼ lb. $1.25, lb. $4.50.

### Carrots

#### TABLE VARIETIES

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<thead>
<tr>
<th>Variety</th>
<th>Pkt.</th>
<th>Oz.</th>
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<tr>
<td>Coreless</td>
<td>10 cts., 25 cts., $1.50</td>
<td>1 lb. $5.00</td>
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**Danvers Half-Long.** This strain is one of the best sorts for the family garden; grows 6 to 8 inches in heavy soil; roots dark orange in color. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1, 10 lbs. $8.

**Improved Long Orange.** Excellent for stock or table use; roots deep orange, 12 to 15 inches long, in rich soil. Pkt. 10 cts., oz. 15 cts., ¼ lb. 35 cts., lb. $1, 10 lbs. $8.

### Brussels Sprouts

**Carter’s Perfection.** A species of cabbage; cultivation is the same. A new variety of fine quality and compact growth. Pkt. 10 cts., oz. 25 cts., ¼ lb. $1, lb. $2.50.

### Corn Salad

**Large Green-Cabbage.** Liked as a substitute for lettuce. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. $1.50.

### Kohlrabi

**Turnip-Rooted Cabbage**

It is regrettable that this splendid vegetable is not more widely used. We would suggest that you give it a trial and, if pleased with it, recommend it to your friends. The edible part is the turnip which grows above the ground. Prepared and served like turnips. Two varieties, **White** and **Purple Vienna**. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. $2.50.

### Water Cress

#### Pkt. 10 cts., ¼ oz. 20 cts., oz. 30 cts., ¼ lb. $1.

### Eggplant

**Black Beauty.** The earliest large variety. Pkt. 10 cts., oz. 40 cts. ¼ lb. $1.40, lb. $5.50. Read 3d page cover.
Cabbage

New Early Copenhagen Market

The type is thoroughly fixed, the heads maturing all at the same time, this being a great consideration to market-gardeners, entailing less labor in harvesting the crop, and allows the ground to be cleared at the first cutting. The heads average about 8 pounds each in weight, are very solid, with small core and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield to the acre than that popular variety. The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are light green, rather small, saucer-shaped, and always tightly folded. The plants can be set closer than other varieties of similar size. Pkt. 10 cts., 1/2 oz. 20 cts., oz. 35 cts., 1/4 lb. $1, lb. $3.50, 10 lbs. $30.

New Extra-Early Golden Acre Cabbage

Golden Acre matures earlier than any other variety, heading a week earlier than Jersey Wakefield and ten to fifteen days earlier than Copenhagen Market. Matures in 80 days from planting of seed. See special description and illustration on page 4. Pkt. 25 cts., 1/2 oz. 75 cts., oz. $1.25, 1/4 lb. $4.50.

WELL-KNOWN STANDARD VARIETIES

Prices on Cabbage seed listed below, except where noted, pkt. 10 cts., oz. 25 cts., 1/4 lb. 75 cts., lb. $2.50

Burpee's All-Head Early. Flat heads; sure header.
Charleston Wakefield. Large pointed heads.
Danish Ballhead. Best winter sort, round head.
Danish Round Head. Very hard, short stem.
Early Flat Dutch. A good early variety.
Henderson's Early Summer. Standard variety.
Premium Late Flat Dutch. Flat head.

Chinese Cabbage (Wong-Bok)

A NEW VEGETABLE WHICH SHOULD BE GROWN IN EVERY GARDEN

This delicious vegetable is also known as “Celery Cabbage,” “Chinese Lettuce,” etc. It is a species of Cabbage with a fine, delicate flavor, resembling a stalk of celery more than a Cabbage head. It is as tender as head lettuce, with a mild and delicate flavor; excellent as a salad or cole-slaw, and if cooked quickly (being very tender) it is much better than Cabbage or turnips.

It is a cool-weather plant, being sensitive to extremely hot weather and can be grown to best advantage in early spring and fall. The plants should be transplanted when small, same as late Cabbage, allowing 18 to 20 inches between plants. You should try it this year. Pkt. 10 cts., oz. 30 cts., 1/4 lb. 90 cts.

Cauliflower, Henderson's

Early Snowball

This is undoubtedly the finest variety ever introduced; it is the earliest, and produces beautiful snow-white heads of the most delicious flavor. A splendid market variety. The seed we offer is pure and genuine, and sure to prove satisfactory. The culture of Cauliflower is very similar to that of cabbage. It is best to select new ground, as it does not succeed where other vegetables have been grown year after year. Pkt. 15 cts., 1/2 oz. 45 cts., 1 oz. 75 cts., oz. $2.

One ounce of Cauliflower or Cabbage Seed will make 3,000 plants.
Fordhook Emperor Celery

An acquisition of outstanding merit, and a Celery of unsurpassed quality, one that meets the exacting of the large and small grower for an extra good sort. A dependable cropper and good keeper, Fordhook Emperor is of true dwarf type, having a rich dark green foliage with slightly savored leaves. It is not as subject to insect ravishes and plant diseases as other varieties and therefore easier to grow. It is of the same high quality as Giant Pascal but, unlike that and other quality Celeries, is less likely to produce hollow stalks. The stalks are smooth, brittle, very thick, solid and of a decided nutty flavor, blanching white with a heart tinged yellow. Fordhook Emperor has supersedes most quality Celeries sold on the Williamsport market, and we join in recommending the variety to our customers. Pkt: 10 cts., ½oz. 35 cts., oz. 65 cts., ¼lb. $2, lb. $7.50.

Giant Pascal Celery

THE FINEST-FLAVORED CELERY GROWN

Giant Pascal is, without doubt, the best Celery for the home market. Has a fine, nutty flavor; is crisp, tender, and a good keeper. Unfortunately, this grand Celery requires careful attention during the growing season. It, as well as other Celery, must be sprayed early and often to control the Celery Beetle. This variety should not be transplanted to the field until the first of July. It is a winter Celery and not suited for summer or early fall use. The ground should be well prepared, fairly fertile and fertilized heavily with acid phosphate and potash. If the ground contains too much nitrogen, Celery will grow too rank and become hollow. Our stock of Giant Pascal is the best obtainable, high grade and pure bred, grown by the most careful Celery specialist in France. Our other varieties are equally well grown and pure bred. Pkt. 5 cts., oz. 30 cts., ¼lb. 75 cts., lb. $2.25.

Garrahan’s Easy-blanching. A superior strain Pkt. Oz. ½lb. Lb. of easy-blanching Celery... ... ... ... 00 25 00 50
Sanford’s Easy-blanching. A commercial strain of Easy-blanching Celery. ¼oz. 40 cts... ... 10 65 $2.00 7.50

Dwarf Golden Heart. An excellent variety... ... 10 35 75 2.25
Dwarf Golden Self-blanching. French-grown... ... 10 65 2 00
Improved White Plume. Early; silvery white... ... 10 35 75 2.25
New Rose. Best of all red varieties; fine keeper... ... 10 35 75 2.25
Winter Queen. Winter variety; very reliable... ... 10 35 75 2.25

ONE OUNCE OF CELERY SEED WILL PRODUCE 7,000 PLANTS

Cucumber

One ounce will plant 50 hills; two pounds will plant an acre

Davis Perfect. The long, even fruits are of fine form, with an intensely dark, rich green skin; has very few seeds; solid, white flesh, of superb quality for slicing. So handsome and

Regular are the fruits that they bring an extra price on market—often being taken for “hothouse-grown.”

Pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.25.

Early Fortune. The finest type of White Spine yet produced. Early, very productive and disease-resistant; fruits 8 inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance. Pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.25.

Snow’s Perfected Pickle. The most symmetrical, best formed and productive pickling sort; early, small and dark green. Pkt. 10c., oz. 15c., ¼lb. 45 cts., lb. $1.25.

Prices of the following varieties, pkt. 10 cts., oz. 15 cts., ¼lb. 45 cts., lb. $1.25.


Boston Pickling. One of the best for pickling.
Fordhook Pickling. Very prolific variety.
Early Cluster. Fruit small; light green.
Endive

One ounce will sow a row about 200 feet long

**Giant Fringed (Oyster Endive).** A strong-growing variety with a large white heart and broad leaves, the heads frequently measuring 15 inches in diameter. Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. $1.

**Broad-leaved Batavian.** Heads large, leaves broad and slightly wrinkled. Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. $1.


**White Curled.** For early use. Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. $1.

Spinach

One ounce will sow a row about 100 feet long

**Savoy-leaved, or Bloomsdale.** Leaves are very curled and crumpled. It is early and very hardy, being splendid for fall use. Pkt. 5 cts., oz. 10 cts., ¼ lb. 15 cts., lb. 50 cts.

**Victoria.** The leaves are very dark green and of the true savoy type. It winters over better than other varieties. Pkt. 5 cts., oz. 10 cts., ¼ lb. 15 cts., lb. 50 cts.

Hollow Crown Parsnip

Standard variety. A large cropper, sugary and popular for general cultivation; tapering roots, smooth and fine grained, excellent for winter use. Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. $1.

Parsley

**Champion Moss Curled.** The leaves are a uniform deep green color, very finely cut and so closely curled as to resemble bunches of moss; one of the most useful and decorative sorts. Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. $1.25.

Pumpkin

**Connecticut Field.** The popular field variety. Oz. 10 cts., ¼ lb. 30 cts., lb. 60 cts.

**King of the Mammoths.** The giant among Pumpkins. Oz. 20 cts., ¼ lb. 60 cts., lb. $1.75.

**Livingston’s Cushaw.** Mottled green and white-striped. Oz. 15 cts., ¼ lb. 40 cts., lb. $1.25.


**Winter Luxury, or Sugar Pie.** Round, medium in size, with a golden yellow skin closely netted like a netted muskmelon; of fine quality and an exceptionally good keeper. A superior pie Pumpkin. Pkt. 10 cts., oz. 15 cts., ¼ lb. 45 cts., lb. $1.25.

Salsify, or Oyster Plant

This plant is used as a substitute for oysters, and we like it fully as well as the oysters themselves. It is used either in soup or scalloped with best results. Before the ground freezes the roots should be dug and stored as you would other root crops. Light freezing greatly benefits the flavor.

**Mammoth Sandwich Island.** Pkt. 10 cts., ¼ oz. 15 cts., oz. 30 cts., ¼ lb. 75 cts., lb. $2.50.

Spray your Cucumber plants with Pyrox or Bordeaux Mixture and Arsenate of Lead as soon as they appear, then three or four times during growth. It kills the bugs and prevents blight.
May King and California Cream Butter Lettuce

Liberal packets, 10 cts. each

Lettuce

One ounce will produce 1,500 plants

Our Selected Stock of Big Boston. compact, large heading, forcing sort for coldframes. The leaves are broad, comparatively smooth but wavy at the edge, thin, very hard and crisp. In color they are bright light green, the head slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged with light yellow. It heads up under cold weather conditions better than any other variety. Our selected stock of this variety is uniform and true to type. No better stock can be procured at any price. Pkt. 10 cts., oz. 35 cts., ¼lb. $1.25, lb. $3.50.

Black-seeded Simpson. The most popular and earliest Lettuce for the home or market-garden. It does not form a head but a compact mass of leaves, tender, crisp, and of excellent quality; stands heat and outdoor forcing. Pkt. 10 cts., oz. 30 cts., ¼lb. $1, lb. $3.

Early Prizehead. This old standard variety is still the best of the large, thin-leaved, clustering sorts for the home-garden, but it is not a good kind to ship long distances, as the leaves are so tender that they are easily spoiled in handling. The leaves are very large, crisp, bright green, tinged with brownish red, and are exceedingly tender, crisp and sweet, forming a large, loose head. Pkt. 10 cts., oz. 30 cts., ¼lb. $1, lb. $3.

Grand Rapids Forcing. This variety is especially adapted to greenhouse and hotframe culture; it is of rapid, upright growth and may be planted close. Pkt. 10 cts., oz. 35 cts., ¼lb. $1.25, lb. $3.50.

California Cream Butter. Strictly cabbage-heading and very slow to seed. Head compact, firm and well blanched; color dark, rich, glossy green; quality excellent; very buttery, sweet and with thick, soft leaves of much substance. Pkt. 10 cts., oz. 30 cts., ¼lb. $1, lb. $3. (See illustration.)

May King. Heads extra large and solid; green outside, but heart clear yellow; very desirable. Pkt. 10 cts., oz. 35 cts., ¼lb. $1.25, lb. $3.50.

Crisp as Ice. A slightly elongated, mediumsized, compact-heading variety; leaves very broad, somewhat blistered and crumpled, and very thick and stiff; outer leaves variegated dark brown and green, the brown predominating; quality excellent. Pkt. 10 cts., oz. 35 cts., ¼lb. $1.25, lb. $3.50.

Hanson Improved. Extensively grown by market-gardeners, as it is always sure to make large, handsome heads of excellent quality; inner leaves white. Pkt. 10 cts., oz. 30 cts., ¼lb. $1, lb. $3.

Iceberg. Exceedingly crisp and tender, heads tightly folded and blanched to a beautiful white. Outer leaves crinkled and light green, growing closely up around the head. Pkt. 10 cts., oz. 35 cts., ¼lb. $1.25, lb. $3.50.

Paris White Cos, or Romaine. Blanches very nicely; upright grower. Pkt. 10 cts., oz. 35 cts., ¼lb. $1.25 lb. $3.50.
Extra-Early Osage Muskemelon

AN EXTREMELY EARLY HIGH-QUALITY MELON

A PROFITABLE VARIETY TO GROW FOR MARKET AND A DESIRABLE MELON FOR THE HOME GARDEN

The Extra-Early Osage Melon combines all the excellent qualities of its parent, the Osage or Miller's Cream, with real earliness, being a week to ten days earlier than the original Osage. In fact, with the exception of the Knight Melon, is about the earliest variety in our trial-grounds. It is but a trifle smaller in size than its parent, has deeper colored flesh, a smaller seed cavity, and is more heavily netted. A handsome melon and as good as it looks, as the many visitors to our Grass Lake, Michigan, Seed Farms during melon season will testify. One ounce will plant about 80 hills. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. $1.25.

Extra-Early Knight (Sweet Air). An extremely early medium-sized melon of the Acme type. Fruit oblong, showing the neck tendency of its parent, distinctly ribbed and closely netted; flesh fairly thick and very sweet, color medium green blending to light pink near the center. The earliest high-quality melon for the Far North and a good shipper. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. $1.25.


Hackensack, or Extra-Early Improved. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 45 cts., lb. $1.25.


Watermelon

One ounce will plant 50 hills

Tom Watson. Splendid, both for home-garden and shipping; shape long; color dark green; flesh bright red and very solid. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. $1.


Halbert Honey. Skin dark green; very sweet. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. $1.

Pepper

One ounce will produce 1,500 plants

HARRIS' EARLIEST. A Pepper particularly adapted to northern growing conditions. The heaviest yielding large Pepper in cultivation—as large as Chinese Giant and three weeks earlier. Pkt. 15 cts., 1/2 oz. 55 cts., oz. $1, 1/4 lb. $3.50.

PERFECTION PIMIENTO (The Sweet Salad Pepper). It is the mildest of all Peppers, deliciously sweet and free from all pungency. Pkt. 10 cts. oz. 50 cts., 1/4 lb. $1.50, lb. $5.

Ohio Crimson Giant. It is as large as Chinese Giant, and much earlier and more prolific. Pkt. 10 cts., oz. 75 cts., 1/4 lb. $2, lb. $7.

Chinese Giant. The largest and finest mild red variety. Pkt. 10 cts., oz. 75 cts., 1/4 lb. $2.

Large Bell, or Bull Nose. Large, mild, and thick-skinned. Pkt. 10 cts., oz. 50 cts., 1/4 lb. $1.50.


Mammoth Golden Queen. Pkt. 10 cts., oz. 60c.

Ruby King. Flesh is thick, sweet, and mild. Pkt. 10 cts., oz. 60 cts., 1/4 lb. $1.75, lb. $6.

Turnip

Pkt. 5 cts., oz. 10 cts., 1/4 lb. 20 cts., lb. 60 cts., except where noted

Purple-Top Strap-Leaf. Best-known variety.


White Egg. Pure white; egg-shaped; early or late.

White Globe. White, round, large cropper.

Extra-Early White Milan. Probably the earliest of the flat Turnips. Both skin and flesh are pure white; flavor is mild and sweet. Pkt. 10 cts., oz. 15 cts., 1/4 lb. 40 cts., lb. $1.25.

Amber Globe. Excellent for table. Flesh yellow, firm, and fine-grained. A good keeper and cropper.

Onion Seed

One ounce will plant 100 feet of drills; 5 to 6 pounds in drills for an acre. For sets, from 50 to 60 pounds should be sown to the acre, according to the richness of the soil.

Liberal packets, 10 cts. each

Yellow Globe Danvers, Our Finest Strain. This is the product of years of careful selection, and is the most perfect type of the Yellow Globe Danvers Onion which intelligent, painstaking care can produce. It is immeasurably superior to the average seed offered, not only in shape and color, but in productiveness. This, our special strain, is all grown from selected, hand-picked bulbs, none but those perfect in size and shape being set for seed, and the product will be just as perfect in all points. Oz. 25c., 2lb. 75 cts., lb. $2.25.

Yellow Globe Danvers. Undoubtedly the best known and most popular of all Onions; the earliest yellow variety: is entirely free from stiff necks. Globular in shape; has a small top. It is the most productive, producing as high as 1,000 bushels to the acre, and will average on good soil, with proper culture, 700 to 800 bushels. Oz. 25 cts., 2lb. 65 cts., lb. $2.

Prietaker. This variety excels every Onion now existing in beauty, size and productiveness, and equals the best in quality. The color is a bright straw, and it always grows to a uniform shape, which is nearly a perfect globe. Our seed is the choicest American-grown, and not imported Spanish King as sold by some dealers at lower prices under the name of Prietaker. Oz. 25 cts., 2lb. 75 cts., lb. $2.25.

Large Red Wethersfield. Onion-growers who prefer the red varieties will find our pedigree strain far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. It is of the finest form; skin deep purplish red; flesh purplish white. Oz. 25 cts., 2lb. 65 cts., lb. $2.

Philadelphia Yellow Dutch, or Strasburg. The sets of this variety grow round, plump and bright. Full-sized Onions are somewhat flattened; flesh pure white, mild-flavored and an excellent keeper; skin bright yellow. Oz. 25c., 2lb. 65c., lb. $2.

White Queen Pickling. A very good early-maturing pickling Onion. Pure paper-white; from 1 to 11/2 inches in diameter; of very mild and delicate flavor; fine for bunching for the early market; also for pickling. Oz. 25c., 2lb. 75c., lb. $2.25.

Southport Large Red Globe. Large and handsome, globe-shaped, and in color a purplish crimson. It is a good keeper and always realizes high prices. Oz. 25 cts., 2lb. 75 cts., lb. $2.25.

Southport White Globe. A large, globe-shaped Onion; firm, fine-grained, of mild flavor; keeps well. This is one of the handsomest Onions grown, of beautiful shape, clear, white skin, and commands the highest market price. Oz. 30 cts., 2lb. $1, lb. $2. (See illustration below.)

Southport Yellow Globe. Like the well-known White Globe except in color of skin; of large size. An excellent keeper; fine for market. Oz. 25 cts., 2lb. 65 cts., lb. $2.

White Portugal, or Silverskin. A large, flat, white Onion of mild and pleasant flavor; hard and fine-grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling. Oz. 30 cts., 2lb. $1, lb. $2.75.

Onion Sets

THE REASON FOR PLANTING ONION SETS

Our Globe Onion Sets will produce Onions much earlier than by sowing the seeds, which frequently permits the planter to sow another crop on the land the same year. For green or bunch Onions, sets will produce a crop in half the time it takes to raise them from seed. Plant Onion Sets and Tops near the surface in drills 12 inches apart and 4 inches in the rows. They require the highest culture to obtain the best results. Qt. 25 cts., bus. market price.
Radishes

One ounce will sow 100 feet of drill

The small, round, short-top Radishes of the red and white-tipped sorts are the quickest in maturing. Of the white varieties, Long Icicle is supplanting all other varieties because of its excellent, superior quality. French Breakfast is the ideal olive-shaped Radish. The summer varieties are the Long Chartier, White Strasburg and Lady Finger. The most popular of the winter varieties is the White Chinese (Celestial), producing large roots, clear white in color.

Radishes to be crisp and tender, must be grown quickly in rich, loose soil and gathered before reaching full size, as they soon become soft and pithy; this is especially so of the small, turnip-shaped varieties—the long varieties will “stand longer.” Seed should be sown thinly in drills when the trees are starting in leaf, and successive plantings made one week apart.

Prices, except noted, pkt. 10 cts., oz. 15 cts., 1/4 lb. 35 cts., lb. $1.

Scarlet Button (Non Plus Ultra). Excellent forcing and open ground Radish.
Long White Icicle. The finest white variety.
Sparkler White-tipped. The white extends further up on the Radish and on this account is more popular in some markets.
White Strasburg. One of the most popular summer sorts. Roots long, quite thick.

Vick’s Scarlet Globe. We have an exceptionally fine stock of this superb variety. It is one of the very earliest of the forcing Radishes and does equally well outside; roots are of fair size, globe-shaped and with a small top; always crisp and tender; color a bright scarlet.

French Breakfast. Pink and white, olive shaped.
Long Scarlet Short-Top. Most popular, early.
Long White Lady Finger. Fine for summer.
Long Chartier. Tender and crisp, best for summer.

Crimson Giant. Best Radish for hot-weather culture. Roots are 2 inches in diameter, hard and firm.
Long Black Spanish. For fall and winter.
Rose China Winter. For fall and winter use.
White Chinese, or Celestial. For fall and winter.
Philadelphia White Box. Beautiful, white, round.

Squashes

The Squashes are a very desirable addition to the garden—those who love a tempting, luscious dish will find the Summer Squashes indispensable. A deeper conviction of the importance of growing our own winter vegetables has become emphasized since home gardening played such an important part in the successful termination of the war. The Hubbards and other varieties of Winter Squashes are easily stored and very palatable when cooked, and make delicious pies when the thermometer hovers around zero.

Liberal packets, 10 cts. each

DELCIOUS. A fall-winter sort, top shaped, dark green but sometimes of a lighter shade, flesh orange, very dry and delicious. Oz. 20 cts., 1/4 lb. 50 cts., lb. $1.25.

Boston Marrow. Fine fall variety, flesh yellow and firm. Oz. 15 cts., 1/4 lb. 45 cts., lb. $1.25.


Golden Summer Crookneck. One of the earliest summer varieties. Oz. 15 cts., 1/4 lb. 45 cts., lb. $1.25.


Fordhook. Small, oblong, excellent for summer or winter; yellow; flesh very thick; extremely dry and sweet. Oz. 15 cts., 1/4 lb. 45 cts., lb. $1.25.

Mammoth Chili. The largest variety, attaining under high cultivation an enormous size. Oz. 15 cts., 1/4 lb. 45 cts., lb. $1.50.
Tomato

One ounce will produce 1,500 plants
Liberal packets, 10 cts. each

Earliana, Extra - Early. (Selected Stock.) Our special strain of this well-known early Tomato has been selected by an expert for earliness, making it possible for the grower to take advantage of the highest market. Oz. 35 cts., 1/4 lb. $1, lb. $3.50.

Chock's Early Jewel. Within 2 weeks as early as the famous Earliana, it is even a heavier cropper, with Tomatoes of larger size and sweeter flavor, while its more robust growth makes it a sure cropper. Oz. 35 cts., 1/4 lb. $1.

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John Baer. An early, productive, red Tomato on the order of Chock's Jewel. We have a splendid, uniform stock of this variety. Oz. 35 cts., 1/4 lb. $1.

Red Rock. A very fine selection of the Matchless type; medium early, round, smooth, and bright red; makes a good canning variety. Oz. 35 cts., 1/4 lb. $1.25, lb. $4.

New Stone. A great favorite with gardeners; the heaviest and most solid-fruited of the large Tomatoes of good quality. Oz. 35 cts., 1/4 lb. $1, lb. $3.50.

Dwarf Stone. As early and nearly double the size of Dwarf Champion. Oz. 40 cts., 1/4 lb. $1.25, lb. $4.

Crimson Cushion, or Beefsteak. Crimson; extra large. Oz. 60 cts., 1/4 lb. $1.75.

Ponderosa. Very large, solid and of good flavor; specimens have been grown to weigh 4 pounds; color bright red. Oz. 60 cts., 1/4 lb. $1.75, lb. $5.

Truckers' Favorite. The finest, large, purple-fruited sort. Oz. 35 cts., 1/4 lb. $1, lb. $3.50.

Bonny Best Early Tomatoes

This variety is a vigorous grower; enormously prolific. In shape it is slightly flattened but thicker through than most other Tomatoes. In color it is a beautiful scarlet-red, setting its fruit in clusters of five or more at close intervals. Makes a magnificent variety for slicing. A good early red-skinned variety for all purposes. Oz. 40 cts., 1/4 lb. $1.25, lb. $4.

Dwarf Champion. Distinct in foliage and habit of growth, being compact and upright; fruit smooth; purplish red. Oz. 35 cts., 1/4 lb. $1, lb. $3.50.

Golden Trophy, Pear-shaped Red and Pear-shaped Yellow, Red Cherry. Oz. 35 cts.
Spencer or Orchid-flowered Sweet Peas

The best of the old-fashioned or Grandiflora varieties are now quite overshadowed by this wonderful type, which are quite distinct, having large, round open flowers of extraordinary size, usually measuring 2 inches across, with wavy standards and widespread wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All the sorts offered below have been thoroughly tested and are just as easy to grow as the Grandiflora varieties.

Asta Ohn. Large, waved, lavender; suffused with pink.
Austin Frederick. A giant-flowered lavender.
Constance Oliver. Standard peach-blossom pink, wings bright rose; flowers very large, waved.
Constance Hinton. The largest and finest white. Long, strong stems.
Dobbies' Cream. The finest primrose-yellow.
Hawmark Pink. Rose-pink shaded salmon—a striking color.
George Herbert. Very large, waved; carmine-rose.
King Edward Spencer. Bright crimson-scarlet; the best of its color.
Margaret Atlee. The largest and finest rich pink Sweet Pea.
Picture. Flesh-pink, suffused apricot. Flowers of great size and very wavy.
Thomas Stevenson. Rich orange-scarlet; very large, waved flowers.
Wedgwood. A beautiful silvery blue.

Large pkt. 10 cts., oz. 25 cts., 1/4 lb. 85 cts.

Spencer or Orchid-Flowering Mixture

Blended from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades. The flowers, which are borne on long stems, are large and wavy. Free flowering. We are sure this mixture will give absolute satisfaction. Large pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., 1/4 lb. 60 cts., lb. $1.25.

Chaapel's Gilt-Edge Sweet Pea Mixture

Our customers usually prefer a mixture where all classes are represented, the lighter shades, including pink, white and lavender, being especially prominent. We secure this most satisfactory result by blending some of the choicest Grandiflora sorts with the Spencer varieties, embracing every desirable color and shade. No better Sweet Peas for general cultivation can be produced at any price. Large pkt. 10 cts., oz. 15 cts., 3 ozs. 35 cts., lb. $1.25.

Choice Mixed Colors

All bright colors, assorted in proper proportions to give splendid satisfaction. Pkt. 5 cts., oz. 10 cts., 1/4 lb. 25 cts., lb. $1.
ASTERS ARE EASY TO GROW AND BLOOM PROFUSELY

Chaapel’s Superb Asters

Special Long-branching Mixture

BRILLIANT FLOWERS IN GORGEOUS MASSES AND BEDS. BEAUTIFUL AS CUT-FLOWERS IN VASES

The Long-branching Asters are known wherever Asters are grown. The plants are large and vigorous, the stems long and strong, and the great fluffy flowers, as we now grow them, are double to the center. There are other Asters, exquisite in form and delicate in color; but the Long-branching Aster is still the leading Aster in all the flower markets in the country and still holds the first place in the garden of the amateur. Our Improved Strain has been secured after many years of careful selection. Seed that produces large, perfectly double flowers on long stems in profusion.
Pkt. 10 cts., 3 pkts. 25 cts., ¼oz. 50 cts., oz. $1.50.

We offer 5 distinct and beautiful colors of the Long-branching Asters at same prices as the above Special Mixture.

Shell-Pink
White
Lavender
Mixed

Pkt. 10 cts., 3 pkts. 25 cts., ¼oz. 50 cts.

Of all the flowers in the garden, none will give more genuine satisfaction than the Aster. The early sorts begin in midsummer and the late varieties carry the garden well into chrysanthemum time.

New Crego Aster

The twisted and curled petals give the flower the appearance of a huge, flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large, they are produced in abundance.

White Rose-Pink Purple
Shell-Pink Lavender Mixed

Pkt. 10 cts., 3 pkts. 25 cts., ¼oz. 50 cts.

Queen of the Market

Largely grown by commercial florists for cut-flowers and for early market. The plants have an open, spreading habit, and the large, double flowers have a loose and graceful appearance. Seed should be sown quite early in the house.

White Pink
Light Blue Mixed

Pkt. 10 cts., 3 pkts. 25 cts., ¼oz. 35 cts., oz. $1.25
Popular Flower Seeds
That Bloom the First Season

These are all easily grown and will bloom freely and give you a great variety of color and delightful fragrance throughout the summer season.

Except where noted, all varieties, pkt. 10 cts., 3 pkts. 25 cts.

**ALYSSUM.** One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

**White Carpet.** Dwarf, compact plants, densely covered with large, pure white flowers. Height, 4 inches. Pkt. 10 cts., ½oz. 15 cts., oz. 50 cts.

**Sweet.** The popular old-fashioned sort, the best for broad edges and vases; pure white. Height, 6 inches. Pkt. 5 cts., ½oz. 15 cts., oz. 25 cts.

**ANTIRRHINUM** (Snapdragon). A splendid plant for beds or borders; easy to grow.

**Tall, Mixed Colors.** Pkt. 10 cts., ½oz. 20 cts.


**BALSAM** (Lady's Slipper). An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliantly colored, double flowers in the greatest profusion; of easy culture. Choice mixed colors. Pkt. 10 cts., ½oz. 25 cts.

**CANDYTUFT,** **White Rocket.** Pkt. 10 cts., oz. 25c.

**Mixed Colors.** Pkt. 10 cts., oz. 25 cts.


**CALENDULA,** **Orange King and Mixed.** Pkt. 10 cts., ½oz. 15 cts.

**CORNFLOWER** (Centaurea). These are also known as Bachelor's Buttons, Blue Bottle, Ragged Sailor, Bluet and Kaiserblumen.

**Cyanus, Blue.** The favorite dark blue so much in demand for cutting. Pkt. 10c., ½oz. 30c.

**Mixed.** Blue, white, rose, etc. Pkt. 10c., oz. 25c.

**COSMOS, Extra-Early Mixed.** Seed sown in the open ground early will produce plants completely covered with fine flowers two months before the late-flowering kinds. While the flowers are not so large as the late sorts, they are of good size and will undoubtedly perfect their blooms in the most northerly states. Pkt. 10 cts., ¼oz. 25 cts., oz. 75 cts.

**Extra-Early Mammoth-flowing Cosmos, Mixed**
COSMOS, Mammoth-flowering, Mixed. The flowers of this improved Cosmos grow very large, often measuring 3 inches in diameter, and are of the most delicate colors, shading from pure white to deep red and purple. The plants grow from 3 to 6 feet high, and the flowers have long, graceful stems. In order to get them to flower early in the fall in this latitude the seed should be sown in pots or boxes in March and the plants set out in the open ground in May. Large pkt. 10 cts., 3/4 oz. 20 cts., oz. 50 cts.

CYPRESS VINE. A very graceful, annual climber, with feathery foliage and beautiful, star-like flowers. Mixed colors. Pkt. 10 cts.

CALIFORNIA POPPY (Eschscholtzia). An elegant hardy annual with fine-cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders.

New Hybrid, Mixed. This mixture has been saved from a number of new sorts of wonderful colorings, including old-gold, fire-red, cream, and many other rich and unusual tones. Pkt. 10 cts., 3/4 oz. 20 cts., 3/4 oz. 30 cts., oz. $1.

CARNATION, Marguerite. These are deservedly the most popular Carnations with the amateur as they begin flowering in a few weeks from time of sowing. Mixed. Pkt. 10 cts., 3/4 oz. 20 cts.

DIANTHUS, or PINKS. A most satisfactory class of flowers, easily raised from seed, and which are in constant bloom the entire season; fragrant.


GOURD, Ornamental. Pkt. 10 cts., oz. 20 cts.

HOLLYHOCK, Chater’s Superb Double Mixed.
One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers. Height, 6 to 7 feet. Pkt. 10 cts.

Single Mixed. Probably the most showy of the many good old-fashioned flowers. Pkt. 10 cts., 3/4 oz. 15 cts.

KOCHIA tricophylla (Summer Cypress, or Mexican Firebush). An easily grown annual which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color. Height, 2 to 3 feet. Pkt. 10 cts., oz. 15 cts.
POPULAR FLOWER SEEDS

LARKSPUR. Well-known annuals of great beauty and noted for the richness of their colors, particularly in the blue shades. Pkt. 10 cts., ¼ oz. 15 cts.

MOONFLOWER (Ipomoea noctiflora). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers. Pkt. 10 cts., 3 pkts. for 25 cts.

MARVEL OF PERU, Choice Mixed (Four-o’Clock). Bushy plants of easy culture, producing hundreds of flowers during the entire summer. Choice mixed colors. Height, 2 feet. Pkt. 10 cts., oz. 15 cts.

MORNUNG-GLORIES. One of the most popular annual climbers.


Japanese Imperial. Flowers of immense size; a great variety of colors. Pkt. 10 cts., ¼ oz. 15 cts.

MYOSOTIS (Forget-me-not). An everblooming variety, beginning in May and continuing till autumn. Large, clear blue flowers in pretty sprays. Pkt. 10 cts., 3 pkts. for 25 cts.

MARIGOLD, Eldorado. Popular free-blooming garden plants of the easiest possible culture. Flowers of immense size in all shades of yellow. Pkt. 10 cts., ¼ oz. 25 cts.

MIGNONETTE, Sweet-scented. Valuable on account of its fragrance; sow in succession during the summer. Pkt. 10 cts., oz. 15 cts.

NASTURTIUMS, Our Gilt-Edge Mixtures. Are especially rich in brilliant colors, large flowers and free-blooming qualities. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil.

MAMMOTH MIXED. Pkt. 15 cts., ¼ oz. 75 cts.


Phlox Drummondii. See page 28
POPULAR FLOWER SEEDS

CHAPEL'S or -

SWEET WILLIAM (Dianthus barbatus). This is one of the finest hardy garden plants; of easy culture. Mixed colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

SCARLET RUNNER BEAN. A rapid climber, 10 to 15 feet high, flowering profusely. Oz. 10c.

VERBENA. An excellent annual for beds and massing, and for a gorgeous display during the summer months it cannot be excelled.

Mammoth Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

WOOLFLOWER, Chinese (Celosia Childsii). This remarkable Celosia has plants 2 to 3 feet in height and very bushy, each branch terminating in an immense, roundish flowerhead of deep rich crimson, and having in addition numerous laterals with smaller heads of bloom, the whole forming an extremely ornamental object. None of the blooms fade in any way, until hit by frost.

Pkt 10 cts., 3 pkts. for 25 cts.

ZINNIAS (Youth and Old Age). The Zinnia is one of the most brilliant, showy and satisfactory of annuals, and has long been a general favorite.

Tall, Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Giant-flowering, Mixed. Our strain of this magnificent giant-flowered type is unsurpassed. It produces flowers of colossal size, specimens measuring from 5 to 6 inches across being not unusual. Plants are of extremely robust habit, attaining a height of about 3 feet and bearing on long strong stems numerous semi-globular, mostly very double flowers, all of the largest size.

Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Giant-flowering, Scarlet. Pkt. 10 cts., 3 pkts. for 25 cts., $\frac{1}{4}$ oz. 25 cts.

Wild Flower Garden

Choice Mixed Flower Seeds. A mixture of many varieties of beautiful, easy-growing flowers, producing a constant and varied bloom the whole season. Large pkt. 10 cts. oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Golden Ball. Pkt 10 cts., $\frac{1}{4}$ oz. 30 cts.

SALVIA (Scarlet Sage). This popular and showy bedding plant should be started either in the house from February to April, or in hotbeds. 

splendens. Tall-growing plants. Height, 3 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. $\$2.25$.

Bonfire (Clara Bedman). Compact, bushy plants, 2 feet high, producing erect spikes of brilliant scarlet flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 50c.

STRAWFLOWER, or Everlasting Flowers (Helichrysum). Fine for winter bouquets.

Choice Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Giant Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Fireball. Bright red. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Rose Carmine. Rich and glossy. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

SANDY PLANTS, plants, plants, growing in sandy soil and a sunny situation; flowers of the brightest colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

RANUNCULUS (Castor-Oil Bean). Very ornamental on lawns or as centerpieces in flowering beds, such as cannas, etc. Pkt. 10 cts., oz. 15 cts.

Helichrysum (Straw Flower)
DaHLiAS—One of Nature's Choicest Gifts

Chaapel's Selected Dahlias

We offer on this page a selection of the best Dahlias within their class at a moderate price. They are all of special merit and will be supplied in dormant, field-grown roots or in strong divisions of such roots of proper planting size.

It is not our wish or desire to offer novelties, and our customers, choosing from this list, can rest assured that they are choosing from a list of tested varieties.

Decorative Dahlias

The Decorative Dahlias are an intermediate form between the Show and Cactus types. Many beautiful varieties have been introduced, some with flat petals, others reflexed, incurved or curiously twisted; but nearly all are without formality or stiffness, and practically all of them are leaders as cut-flowers.

Earl Williams. An exceptionally attractive fancy or variegated variety, one of the best of this type. The flowers are of largest size, splendid deep formation, a brilliant crimson-scarlet color, each petal tipped with white. An early and free bloomer that continues in good shape to the end of the season. $2 each.

Judge Marean. A very large flower of perfect Decorative shape. The colors, changing as the flowers pass through different stages of development, are a combination of glowing salmon-pink, red, iridescent orange, yellow, and gold, all blending most harmoniously. An early and continuous bloomer on long, perfect stems. $1.50 each.

Paul Michael. One of the sensational large exhibition flowers that always attracts attention and which has twice been awarded the prize as the largest flower in California shows. The petals are quilled at base, curled and twisted; color pure gold, shaded orange-buff at center; very free flowering. $2 each.

Patrick O'Mara. This Dahlia, named in honor of one of America's noted horticulturists, has been one of the most prominent features at the shows of the American Dahlia Society, and has been awarded the Society's Gold Medal. It is of free-flowering habit. The flowers, supported on long stiff stems, are of good size, perfect form, and in color a rich chrome-yellow, with salmon-red suffusion. 75 cts. each.

Insulinde. A Hybrid Decorative whose flowers are borne on rigid, stiff stems and held in horizontal position like a zinnia, aster, or chrysanthemum, different from any other Dahlia. These flowers are large, 7 to 8 inches in diameter, with just sufficient broad, long curled and twisted petals to form a perfect and graceful flower of a beautiful golden ochre, with salmon-red suffusion, which deepens towards the center. $1.50 each.

Cactus Dahlias

The Cactus Dahlias come in many colors and petal formation. The petals are thin, sometimes straight, twisted, or curled, producing flowers that are magnificent and distinct.

Etandard de Lyon. Rich carmine-rose or royal purple. The flowers are distinct in shape from all others, with broad, curling, wavy petals which form a flower 6 inches in diameter and 4 inches deep, a large flower, yet without any stiffness or formality. 75 cts. each.

F. W. Fellowes. One of the very best Cactus varieties ever raised, with flowers of unusual size for the long narrow-petaled type of which this is one of the finest representatives. In color it is an intense coral-red with deeper suffusion at the center. No collection of Dahlias is complete without it. 75 cts. each.

Jean Chazot (Gay Paree). We consider this French introduction one of the very best all-around Hybrid Cactus varieties that has yet been produced. The habit of the plant is all that could be desired. A free upright grower, with long stiff, wiry stems that hold the flowers well above the foliage in such a manner as to display their full beauty. It is one of the most prolific to flower, coming into bloom early and continuing in good condition to the end of the season. In color it is a beautiful golden bronze, with just a faint suffusion of nasturtium-red that intensifies its brilliancy and adds to its charm. $1.50 each.

Kalif. A truly majestic flower, frequently measuring over 9 inches in diameter, of perfect Cactus form, in color a pure scarlet. The gigantic flowers produced very freely, are held erect on stiff stems, making it a most effective and useful variety for cutting as well as for garden decoration. 75 cts. each.

Meesterstick. This new Cactus from Holland is one of the most distinct and attractive varieties of this type. The flowers are held erect on long, stiff stems in such a manner as to display their full beauty, which is a rich glowing French purple with brilliant aniline-red suffusion, which is intensified by the citron-yellow base of the petals which give the flower a bicolored appearance that is quite novel. $1 each.

Pierrot. A unique and striking color, and of unusual grace, being composed of very long, narrow tubular petals, which are of a deep amber color, usually showing white tips, but even when it comes a self color without these tips it possesses an individual refinement different from all other sorts. 50 cts. each.

U. S. A. Probably no other Dahlia has met with such favor as this Hybrid Cactus—a pure deep orange, sparkling and glistening. These flowers are of large size, of good formation, on excellent stems. It is remarkably free-flowering, being early and continuing in good condition to the end of the season. A splendid Dahlia for all purposes. $1.50 each.

Double Show Dahlias

This is the old-fashioned densely double type which will always have many admirers. They are very free, early, and continuous bloomers and are splendid for cutting.

American Beauty. One of the very best of this type. Brilliant crimson-red flowers with French-purple suffusion—a rich glowing color—produced abundantly on long, stiff, wiry stems. 35 cts. each.

Dreer's White. Pure glistening white, large, ball-shaped flowers, with closely quilled petals. Unsurpassed by any other variety in freedom of flowering. 35 cts. each.

Dreer's Yellow. The best yellow Show Dahlia yet sent out. A good grower, early and profuse bloomer. In general form and make-up the flowers resemble Dreer's White, but larger. 35 cts. each.

Maud Adams. A very free-flowering white with delicate lavender suffusion. 35 cts. each.

The above set of 4 distinct varieties. $1.25
Chaapel's Select Gladioli

In this collection we offer the best of the rarer sorts, made up of the very best Gladioli only, the ones that are strong growers, free bloomers, and that give satisfaction under adverse growing conditions.

Our bulbs are grown in northern Michigan and are clean, and free from disease. The varieties offered on this page will be an ornament to any garden and at prices so reasonable that they should be planted in quantity.

BARON JOSEPH HULOT. Deep indigo-blue, slightly marked white at the base of the throat. 10 cts. each, $1 per doz., $8 per 100.

CATHERINA. Wonderful grayish light blue flowers, lower petals a little deeper blue with brownish red spot. A very attractive variety. 15 cts. each, $1.50 per doz., $10 per 100.

ELORA. An extremely fine, large, tall grower, with creamy white flowers, and a rich crimson throat. Whatever Gladioli are omitted, this one is too good to pass by. The flowers are magnificent and it is one of the first to bloom. 20 cts. each, $2 per doz.

EMPRESS OF INDIA. Something different—a distinct shade of deep purplish red; large flowers; strong grower; very striking. 15 cts. each, $1.50 per doz., $10 per 100.

FLORA. Beautiful, large, pure golden yellow flowers and lots of them. Strong grower. 15 cts. each, $1.50 per doz., $10 per 100.

GLORY OF THE PINKS (Roem Van Kennermerland). Very large deep pink, with yellowish throat. 15 cts. each, $1.50 per doz., $10 per 100.

ODIN. A little deeper salmon than Prince of Wales, with larger flowers and small deep red spot on lower petals. A very early, exquisite variety without which no Gladiolus collection is complete. 15 cts. each, $1.50 per doz., $10 per 100.

PINK PERFECTION. A lovely apple-blossom shade, true La France pink, with a few darker markings. A great flower on a tall spike, perfect in every detail. 10 cts. each, $1 per doz., $8 per 100.

PRINCE OF WALES. An early-flowering sort with fine spikes of large flowers of delicate apricot-pink, suffused salmon. 10 cts. each, $1 per doz., $8 per 100.

RED CANNA. A flower well named, as the beautiful, large, scarlet flowers resemble the flowers on the red canna. Exceptional good cut-flower on account of its very tall stems. 10 cts. each, $1 per doz., $8 per 100.

WHITE CITY. Spikes 5 to 6 feet tall, with very large, almost pure white flowers. A grand white for cut-flowers. 15 cts. each, $1.50 per doz., $10 per 100. (See illustration.)
NO FLOWER IS EASIER TO GROW THAN THE GLADIOLUS

The most attractive of all summer-flowering bulbs is the Gladiolus. Wonderful improvements have been made in recent years in the size and beauty of these flowers, and our mixture comprises only the best. Their cultivation is very simple, as they will thrive in any ordinary garden soil, but amply repay care and liberal feeding by handsome size and beauty. A succession of bloom may be had from July to October, by planting at intervals from April to June. The strongest bulbs should be kept for the latest planting. Plant 6 inches apart in beds or double rows and 3 inches deep. They are very effective when planted among roses, peonies, shrubbery, etc.

Chaapel's Gilt-Edge Mixture of Gladioli

This superb mixture is composed exclusively of high-grade varieties, including many new and rare kinds. It embraces the greatest possible range of color. This mixture is our pride and contains the best large-flowering sorts. 5 cts. each, 40 cts. per doz., $2.75 per 100.

11 Choice Gladioli

Adelaide de Luxembourg. A very fine light pink, white center with light yellow blotch. 5 cts. each, 60 cts. per doz., $4.50 per 100.

America. A beautiful flesh-pink, tinged with lavender. 5 cts. each, 60 cts. per doz., $4.50 per 100.

Schwaben. Soft pure yellow, little red stripe on lower petals. 5 cts. each, 60 cts. per doz., $4.50 per 100.

Halley. Delicate flesh-color with creamy blotch in lower petal; flowers very large. 5 cts. each, 60 cts. per doz., $4.50 per 100.

Le Maréchal Foch. This might briefly be described as an improved America, having the same soft flesh-pink color, but with much larger blooms and coming into flower two weeks earlier. 5 cts. each, 60 cts. per doz., $4.50 per 100.

Mrs. Francis King. A striking shade of light scarlet or flame-color; one of the most effective both in the border and when cut. 5 cts. each, 60 cts. per doz., $4.50 per 100.

Niagara. Soft primrose, faint lines of lilac in the throat, with purple stamens and pale carmine stigmas. 8c. each, 75c. per doz., $6 per 100.

Panama. Similar in type to America, but of a deeper shade of pure rose-pink. The flowers are large in size and well placed on tall, strong spikes. 5 cts. each, 60 cts. per doz.

Peace. Few varieties have become as popular as Peace. The general effect of the flower is white, with a pale lilac feathering on the interior petals. 8 cts. each, 75 cts. per doz.

War. Deep blood red, shaded crimson. One of the largest and finest of the red Gladioli. 10 cts. each, $1 per doz., $8 per 100.

Wilbrinck. It retains the earliness of Halley but has a delicate pink color. 5 cts. each, 60 cts. per doz.

If bulbs are wanted by parcel post add 10 cents extra for the first dozen and 1 cent extra for each additional dozen.
QUALITY FARM SEEDS

It has always been the policy of this store to select field seeds from the standpoint of quality and purity rather than price. These two items are always vitally considered before we offer field seeds to our customers. Sometimes, when looking over weed-infested fields, we wonder whether the real value of seeds does not lie in what they will not produce. Poor seeds are expensive at any price—it does not pay to plant them for they require the same labor in cultivation as good seeds and produce a much smaller crop.

Our Clover, Alsike and Timothy, our Scarified Sweet Clover, our Alfalfa, Red-Top, Kentucky Blue Grass and other small seeds are the most reliable that can be bought anywhere at any price. The Canada Field Peas, Soy Beans, Dwarf Essex Rape, Vetches, Oats, and other grains are all of the best varieties and of the highest quality.

If you care anything about the quality of the seed you sow, and are particular along this line, you will buy your seeds from us. Our seeds have that bright, clean-looking appearance, and take the highest possible purity and germination tests. We'll be glad to show you samples any day and have you make comparisons.

Ensilage Corn

For years we have been specializing on Seed Corn. We have given particular attention to our Ensilage Corn and we feel that we are distributing the varieties best suited for our locality. Whenever our own or others' tests show a promising variety, we find the northern locality best suited for the growing of this variety and contract with the most successful grower in that community—that is the outstanding reason why our Corn gives universal satisfaction. After we receive our seed from the grower, several germination tests are made and we can tell you the average percentage of germination. This is marked on the label of all Corn sent out by us.

Corn for the Crib

We believe the best varieties for crib Corn for this section are those that have developed within our own community. We do not advocate the planting of western-grown Seed Corn for cribbing purposes. Corn is one grain crop that must become acclimated before it does its best. It takes years of selection to acclimate Corn to a given section. We believe it is more profitable to the grower to improve our native varieties. With this principle in view, with the exception of the flint varieties, our Field Corn is native grown. We sell you only the best. All our Seed Corn is carefully selected, graded, and tested; you make no mistake in planting our seed.

About Prices of Field Seeds

The prices of clover and nearly all other farm seeds are so uncertain, due to weather and the unusual economic conditions, that it is impossible at this time to quote you prices with any degree of certainty, as the market is changing almost daily. Our prices are always based upon the day's market; we never hesitate to reduce our prices to meet market conditions, regardless of our personal losses. Therefore, in order to protect ourselves and give you the benefit of any reduction in prices, we invite inquiries and will gladly quote you the best prices obtainable.

If possible, come to the store, inspect our stocks personally and secure the benefit of prevailing market prices, making it more satisfactory for both of us. But if you can't come, write us.

Wishing you a prosperous season, we are, cordially yours,

CHAAPEL'S SEED STORE


**Sudan Grass**

Sow Sudan Grass after the soil has become warm, about corn-planting time. Sow 30 to 40 pounds to the acre, broadcast, about May 1. It may be cut in July, just before heading out. This gives time for a second growth to reach the stage where it can be used for pasturage. Lb. 15 cts., 10 lbs. $1.25.

**Sorghum, or Amber Cane**

Used principally as a summer fodder for cattle. Sow 5 to 6 lbs. per acre. Lb. 25 cts., 10 lbs. $1.50.

**Broom Corn**

Improved Evergreen. Best variety on account of color and quality of brush. Sow 8 to 10 lbs. per acre. Lb. 20 cts., 3 lbs. 55 cts.

**Kentucky Blue Grass**

This makes the best, sweetest, and most nutritious pasture for all stock. It is the first to start up in the spring and remains green until snow flies. It is very hardy and is uninjured by cold or dry weather, hot sun, or trampling of hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires about two years to get well started and for that reason it is often sown in mixture with other grasses. Lb. 40 cts., bus. (14 lbs.) $4.25.

**Millet**

Tennessee, or Golden. Produces a very fine quality of hay and makes a large seed-head. In good seasons it grows about 4 feet high. Sow 1 bushel (48 lbs.) broadcast to the acre, from April 10 to July 10. Lb. 15 cts., bus. $2.75.

**Orchard Grass**

It is well suited for shady places, such as orchards and groves. Lb. 35 cts., bus. (14 lbs.) $4.

**Six-Rowed Barley**

Is the earliest variety. Sow 2½ bushels per acre as early as ground can be worked. Bus. (48 lbs.) $2.75.

**Winter Rye**

Rosen. This new Russian Rye is said to be the best variety now grown. Sow 1½ bus. per acre. Bus. $2.

**Mammoth Russian Sunflower**

Highly valued as an excellent and cheap food for cattle and fowls. Lb. 20 cts., 10 lbs. $1.25, 100 lbs. $10.

**Buckwheat**

Japanese. Is much superior to the common Buckwheat. Prices on application.

**Silver Hull**

The grains are of a silvery gray color, making a white flour. Prices on application.

**Red Top (Solid Seed)**

The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for timothy and Kentucky blue grass. Good to sow with timothy and clover for meadow or pasture and is more permanent than either. Lb. 30 cts., bus. (14 lbs.) $3.50.

**Improved Dwarf Essex Rape**

**VALUABLE FEED FOR CATTLE, SHEEP, AND HOGS**

A forage plant of great merit, easily grown on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture at a season when it is most needed. Under ordinary favorable conditions Rape is ready for pasturing sheep or hogs in about six weeks from date of sowing, and on the average an acre will usually carry about ten hogs six to eight weeks.

As a catch crop after small grain or just before corn is laid by, it is the greatest feed that man could provide for; in fact, it will yield more green feed for pasturing purposes than could be raised from any other crop at anything approaching the same cost per acre. It is often sown broadcast, but will yield much better if drilled in rows 22 inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July.

**Dwarf Essex Rape** is not only valuable for pastures, but is most excellent for green manuring. There is no plant which will give so heavy a yield of forage at so small a cost as this.

Resolve now to employ Genuine Dwarf Essex Rape, as it is the right thing to do. Sow liberal quantities along with other grain. It will surprise you to find how clean it will keep your land, and what a quantity of green feed you have after the grain is harvested, which is the very time you want it. Sow about 6 pounds per acre if broadcasted, or 4 pounds if drilled.

Lb. 15 cts., 10 lbs. or more, 12 cts. per lb.
Clover and Timothy Seed

ABOUT THE QUALITY OF OUR CLOVER AND TIMOTHY SEED

A large and increasing proportion of the orders we receive for Timothy and Clover Seed are for our "Globe" and "Pine Tree" brands, because our customers have learned that the best seed is the most economical regardless of the cost. Seed cleaned for our Pine Tree and Globe brands must in every instance come up to a certain standard before it can be sold as such. It has always been our policy to sell goods as advertised, never substituting an inferior grade unless so advised. In this way we have built up our reputation, and our friends have learned that when they order "Pine Tree" and "Globe" brands, they receive them. All our tested farm seeds are sold under the provisions of the Pennsylvania Pure Seed Law. When you buy seeds outside of Pennsylvania you are protected by this Pure Seed Law.

CRIMSON, or SCARLET. An annual of strong, erect growth. Lb. 25 cts., bus. (60 lbs.) $10.

ALFALFA. Northwestern-grown Alfalfa produces from 3 to 7 tons of hay to the acre. It has as much protein as wheat-bran. Three hundred and sixty stalks have been grown from 1 seed. It does not exhaust the soil; it enriches the soil. It will grow 3 to 5 crops a year. Alfalfa in money value is worth 45 per cent more than other Clovers and 60 per cent more than Timothy. Ten milch cows can be fed on less than 2 acres by soiling Lb. 30 cts., bus. (60 lbs.) $15.50.

Timothy
As a crop for hay, Timothy is probably unsurpassed by any other grass. It should not take an intelligent farmer long to figure the wisdom of investigating his time and money in reliable seed. Lb. 15 cts., bus. (45 lbs.) $4.50.

Grimm Alfalfa

THE GENUINE CERTIFIED GRIMM

The U. S. Department of Agriculture report a great shortage in Red Clover for this season, both in the American and European growing sections. This shortage amounts to about one-half of the normal crop and, with practically no carry-over of this seed, is reflected in the price. Medium Red Clover of good quality should retail around $25 per bushel for the 1925 planting.

For the past four or five years, Red Clover has been an uncertain crop, and many farmers are turning to Alfalfa for a hay crop, with excellent results. Alfalfa as a hay crop has double the feeding value of other hays; it produces three to seven tons per acre and grows three to five crops per season. Its feeding value is equal to that of wheat bran. Alfalfa enriches the soil instead of exhausting it.

In the past, some farmers have not succeeded in getting and maintaining a stand of Alfalfa, which was due, we believe, to several reasons, such as a lack of lime in the soil, improperly prepared seed-bed, and the wrong kind of seed. With the increased knowledge we have obtained of and about this important crop during the past few years, these obstacles are, in a measure, overcome.

By sowing Grimm Alfalfa seed, the localities where Alfalfa can be successfully grown has been greatly increased. Our Grimm Alfalfa seed is produced in the northwestern states where the climate is much colder and the winter longer than in the eastern states. It is more hardy than the other strains of Alfalfa; it has a different root system and can be grown on shallower soil. The root system of the Grimm is of a spreading nature, more like the root system of our Red Clover. Due to the nature of the root-growth of Grimm Alfalfa, it has a better chance to come through the winter in good shape. Our stock of Grimm Alfalfa seed comes to us from the growers in sealed and certified bags and is guaranteed by the Farmers' Association to be the genuine strain of Grimm Alfalfa. Lb. 60 cts., bus. $30.

Medium Red Clover

MEDIUM RED CLOVER. It pays always to buy the best quality of Clover seed which can be obtained. Lb. 30 cts., bus. (60 lbs.), prices on application. Domestic-grown seed very scarce.

GUARANTEED MAMMOTH RED. Pea-vene or sapling Clover, a large rank-growing Clover producing an enormous yield. It is a valuable plant for our depleted, worn-out hill-tops. Our stock of this Clover is the genuine Mammoth.

ALSIKE, or SWEDISH. This is one of the hardest varieties known. It is perennial and does not winter-kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red and with Timothy. Lb. 30 cts., bus. (60 lbs.) $15.

If wanted by Parcel Post, add postage 5 cents for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Seamless 2-bushel bags, used in shipping, 50 cts. each.
To Grow Alfalfa Successfully

To thrive, Alfalfa requires a congenial environment. Wet soil must be drained; sour soil limed; poor soil enriched with stable manure, green manure, or commercial fertilizer and weedy soil cleaned by cultivation. A firm seed-bed, inoculation, and cutting at the proper time will help get and maintain a good stand.

Use good seed only. Take no chances on your Alfalfa seed. Insist upon having Northern-grown American seed. Much time and money has been spent in preparing ground for Alfalfa and then lost out by sowing poor seed. Southern-grown and imported Alfalfa seed is absolutely worthless for seeding in the North Atlantic States. Chaapel’s Alfalfa seed is the best obtainable northern-grown seed. When you plant it you take no chances. Our deep-rooted strain of Alfalfa comes from Montana where weather conditions are more severe than in Pennsylvania. Our Grimm or spreading root strain comes from the bleak, cold, “Bad Land district” of the Northwest, in sealed bags and certified to be the genuine Grimm Alfalfa.

Prepare a firm seed-bed. One of the greatest causes of failure in getting a stand of Alfalfa is sowing in a loose seed-bed. The soil dries out quickly and the little rootlets die for want of moisture. The ground must be packed firmly so that the plant-food and moisture below can reach the rootlets. Ground for Alfalfa must be disked, rolled, and worked down to a solid seed-bed with a fine mulch on top to retain moisture and should stand five weeks before seeding.

Plant on well-drained soil. Alfalfa will not grow on wet ground. Wet land must be drained; it thaws and freezes heaving the ground, breaking the tap root, killing the Alfalfa plant.

Nitrifying bacteria will not live in wet soil. Without the aid of this Alfalfa will not thrive.

Provide friable soil. If the ground lacks humus, supply it by applying stable manure or turning down clover sod or other green manure.

Inoculate with pure culture bacteria. You may be able to grow Alfalfa without artificial inoculation, but inoculation insures success. The Alfalfa nodules are composed of bacteria different from that on clovers or other legumes. A pure culture is safest, easiest, and best to use, it avoids the danger of introducing plant diseases and obnoxious weeds. A pure culture is the easiest because all you have to do is to add a little sweetened water to it, stir the seed in it, and spread it out to dry where the sun will not shine upon it. We sell and recommend “Nodule Bacter” for inoculating Alfalfa seed. For full description of “Nodule Bacter,” see page 42.

Lime the land. Alfalfa requires sweet soil; it will not thrive on sour soil. Apply lime in the most convenient form—at least one ton of Hydrated Lime per acre or its equivalent in other forms of lime—after plowing, harrowing it in. Two weeks must elapse between liming and seeding.

Time to seed. Alfalfa may be sown in spring or fall. The best months in Pennsylvania and adjoining states are April to September. Where severe winters are anticipated, spring seeding may be preferred.

Depth to cover seed. Cover Alfalfa seed one-half to one inch deep, depending upon the soil; on heavy soil seed shallow, on light soil deeper. Roll to pack the earth about the seed, packing aids germination by insuring sufficient moisture to soften the hard coat of Alfalfa seed. Sunlight dries out and kills the inoculating bacteria, therefore sow seed on a cloudy day and cover immediately. Covering also gives the young roots a chance to develop.

How much seed to use. To seed an acre use 20 to 25 pounds and seed both ways.

An easy way to get started. Many state colleges are recommending the seeding of Alfalfa when other clovers or timothy are sowed. A good mixture is 2 quarts Alfalfa, 1 quart Medium Red, and 1 quart Alsike Clover.

Nurse crop advisable. For spring sown Alfalfa use a nurse crop, it helps control the weeds. Oats or barley makes a good nurse crop, sow lightly. It is sometimes advisable to cut the nurse crop before it matures. Do not use a nurse crop for fall seeding.

Cut when new shoots start. When Alfalfa is ready to cut, it will show more or less bloom, but the thing to watch is the starting of the second growth. The time to cut is when the new shoots at the crown or base of the plant are about 11/2 to 2 inches high.

Set the mower high enough so as not to clip off the tops of these shoots. If cut earlier you lose growth on the first crop. If cut later, you are likely to cut the new shoots and thus retard the growth of the second crop. In either case, your Alfalfa patch is “fooling round doing nothing” for several days when it should be growing.

Be careful not to cut too late in the fall. Leave a good growth, 8 to 12 inches, for winter protection.
Soy Beans

Soy Beans can be grown in all parts of the country where dent corn succeeds and on a greater variety of soils than any other legumes. **All Soy Beans are very scarce. Prices subject to change.**

**For the Silo.** It has been found that Soy Beans, planted in with the silo corn at the rate of 15 to 18 pounds to the acre and put in the silo with the corn, make a very rich ensilage, far superior to corn alone. We believe this method is far better than planting the corn and Soy Beans separately when intended for the silo; as it insures an equal distribution, which cannot be obtained readily when they are planted separately and put in the silo alternately. Soy Beans may be grown for grain. Allow for postage.

**Medium-Early Green.** For the northern tier of Pennsylvania counties, where the practice of sowing Soy Beans with the silo corn is becoming popular, it is advisable to have a variety of Soy Beans that will give the greatest amount of foliage and almost-matured grain at silo-filling time. In variety tests, this heads the list. This plant grows upright, produces much foliage and is the heaviest producer of grain. Pk. $1.50, bus. $5.

**Wilson.** This variety in some ways excels all others as a forage crop. The stalks and branches are slender and we think probably it would make the most hay and a little the best quality of any variety. It matures in 125 days. Sow 40 pounds to the acre. Pk. $1.50, bus. $5.

**Elton or Chestnut.** An early Bean that matures about a week earlier than Medium-Early Green or Wilson. It is a desirable Bean for northern localities. It is a strong grower, a large seed producer and having an abundance of foliage, it is a desirable variety to sow in the ensilage corn in northern counties as it matures sufficiently for that purpose. It makes an excellent hay and hog pasture. Pk. $1.50, bus. $5.

**Perennial White Sweet Clover**

*(Melilotus Alba)*

**Sweet Clover** is a legume of immense size and rank growth. It has great value as a soil improver. It furnishes a palatable hay and makes excellent pasture. **Sweet Clover** will grow on almost any soil where proper amounts of lime have been applied. Its immense growth (8 to 10 feet), and its ability to gather nitrogen from the air and deposit it in bacterial nodules on the roots, together with the large amounts of humus it supplies to the soil when turned down, makes it an ideal crop to improve good soil and a splendid crop to build up poor land.

**Sweet Clover** makes a good grade of hay and it will produce a larger tonnage than any other legume crop; it averages two or more cuttings per year. Lime well for Sweet Clover, at least ½ton Hydrated Lime per acre, or its equivalent. Sow 25 pounds seed per acre. Lb. 25 cts., postpaid, bus. (60 lbs.) $11.
Pasture Mixture of Grasses

For new ground or inaccessible places, such as hillsides that are too steep to work, or back fields where it is desirable to have a permanent pasture, we know of no better nor more profitable use to put these fields than to sow them with our Pasture Mixture.

Chaapel's Pasture Mixture is a combination of hardy grasses that will last for years and assure you a constant successive growth of rich pasture from spring until fall. It is composed of such seed as Kentucky Blue Grass, Red Top, Peas, Fescue, Rye, and Meadow Grass.

White and Alsike Clover, Meadow Fescue, and Pacey Rye Grass  Sow 30 to 50 pounds per acre. Lb. 35 cts., 100 lbs. $30.

Sand or Winter Vetch
A Valuable Legume for Improving the Worn-out Soils

For forage and fertilizing purposes. It succeeds and produces good crops on poor, sandy soils as well as on good lands, growing to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. The root-growth makes quantities of nitrogen tubercles, thus giving it very valuable fertilizing properties. Grow your nitrogen. Sow thirty to forty pounds to the acre with one-half bushel rye, oats or barley. Lb. 25 cts., bus. $12. Price subject to change.

Canadian Field Peas and Oats

There is no crop grown on the farm as valuable for summer feeding as Canada Field Peas and Oats, and they are equally valuable in the silo or as hay.

Many of our best farmers know and understand this, but very many do not. It is used both as a green feed and as a fertilizer, and in both places deserves to occupy a very prominent position. As green feed sown with oats or barley early in the spring, it fills a place that no other plant which we have can occupy.

The amount of feed produced on an acre is very large. It comes before any other good nutritious feed suitable for hay or soiling. It is greedily eaten by practically all kinds of stock, and is as nourishing as can be desired.

For the Silo. Recent tests, reported by some of the agricultural agents, show that Canada Field Peas and Oats make a very desirable addition to our available crops for silo purposes. Coming on as they do at the time of the year when the silos are empty or partially so, they can be utilized to advantage for these purposes. We would earnestly urge our customers to use these Peas more liberally than many of them have been doing in the past, knowing that they will be very well pleased with the result.

These make a fodder and hay which double the production of milk. Pk. $1.50, bus. (60 lbs.) $4.25, bag (2 bus.) $8. Price for larger lots will be quoted by letter at any time.

TO GET BEST RESULTS
Sow in early spring, the earlier the better, about one or two bushels each per acre. Drill the Peas in first, about four (4) inches deep, sow the Oats in the usual manner. Oats should be drilled the opposite way the Peas were drilled for best results.

Ready for cutting about the latter end of June, when the Oats are in milk and the pods formed on the Peas. Nutritious and relished by all stock. Choice Northern Grown Seeds, acclimated and tested for germination. Will produce big crops and improve the land.

P. A. McGowan inspecting a field of Lycoming County-Grown Canada Field Peas and Oats
"As Ye Sow, So Shall Ye Reap"

SEED OATS

32 lbs. to the bushel. Sow 2½ bushels to the acre

What was true twenty centuries ago is true today—"like begets like" holds good up to a certain extent. This is more true when applied to the Oat than any other cereal. There is always that tendency to reversion or the "seed run out" as we hear it expressed. The heaviest and best of new varieties run out if kept on the one soil too long. To keep the Oat yield up to standard we must continually import from the Oat-growing sections new stock for planting. An Oat that runs from three to six pounds above the standard weight certainly is preferable to one that runs under weight two to four pounds—any farmer can appreciate the difference and realize the difference in yield and feeding-value. Plant good Oat seed.

Swedish Select

Extra-heavy Recleaned Seed

This Oats was introduced a few years ago by the U. S. Department of Agriculture and today is the most largely planted of all varieties in the northern central states. Briefly described, the Oat is pure white in color, the hull thin, the kernel large and plump, and the straw stiff and strong enough not to lodge. A remarkable root development makes Swedish Oats a good drought resister—a special feature on light soils. Season medium early and the earliest of the heavy yielding sorts. Especially suited to high land. Peck 40 cts., bus. (32 lbs.) $1.30, 10 bus. or more, $1.25 per bus.

After repeated tests, the following is said of this popular variety of Oats:

At the Wisconsin Experiment Station: "It has stood at the head of the list for several years."

Professor Moore of Wisconsin says: "The most satisfactory Oats of all."

HEAVY WEIGHT. The Michigan stock is a good yielder with plump grains. Reliable and reasonable in price. Bus. $1.

Improved White Russian

A Side Oats that is a dependable cropper and as near rustproof as any Oats can be. It withstands extremes of heat and cold and seldom fails to deliver a remunerative crop. White Russian is a distinct type of Side or Horse-Mane Oats of Russian origin. Pk. 50 cts., bus. $1.75.

Canadian Cluster

One of the heaviest yielding Oats we know of—yields 70 to 85 bushels per acre. It is a Canadian Oats that produces in clusters on one side of stem. A white Oat having good, long, stiff straw. Bus. $1.35, 10 bus. $1.25 per bus.

Liberty Huless

A new and entirely distinct Oats that comes to us from Dakota. It is entirely huless, a good yielder, having long stiff straw, and an ideal Oats for poultry and other live stock. Something new. Try it. Lb. 20 cts., 10 lbs. $1.75.

Improved Treatment for Oats Smut

Use one pint of Formalin (Formaldehyde 40 per cent) in 10 pints of water and with a spray pump direct a spray into each shovelful of grain as it is being shoveled over on a clean floor or canvas. This quantity, 11 pints, will treat 55 bushels at the rate of 1 pint to 5 bushels. Grain may be immediately sacked. ½ pt. 35 cts., pt. 50 cts.
Northern-Grown Seed Corn

MOST VARIETIES ARE LOCALLY GROWN, SELECTED BY HAND, AND GRADED
ALL OUR SEED CORN IS TESTED FOR VITALITY BEFORE YOU GET IT, AND THE GERMINATION MARKED ON THE LABEL

Plant 8 to 10 quarts to the acre in hills; sow 2½ to 3 bushels broadcast for fodder

CAUTION.—Test your Seed Corn. The early October frosts, together with the late season, produced an unsatisfactory condition in the Seed Corn situation. Seed Corn is in a critical condition. Our supply is short, and price of Corn offered in this catalogue is subject to market price at the time of sale.

QUENSHENAQUE YELLOW DENT. An early-maturing Yellow Dent, grown and bred on the hills of Lycoming County. A Corn of good size and a sure-cropper. This Corn has never failed to ripen properly in its native habitat on the hills, up the Quenshenaque Run. It is a beautiful Yellow Dent with just enough White-Cap blood in it to give it strong vitality and early maturity. It matures in 90 to 100 days; the stalks are 7 to 8 feet tall, and the ears 8 to 10 inches long. We feel safe in recommending this Corn to the growers on hill farms on account of its extreme earliness and strong vitality. Price on application.

GOLDEN SURE CROP. (Lycoming County-grown.) We are offering this year seed of this variety, acclimated and grown in Lycoming County, which we believe will give better satisfaction for grain purposes than that grown in Lancaster County. In type it differs from every other Corn on our list. It would take no prizes at a Corn show—it doesn’t conform to the standards that Corn judges like to see—doesn’t have the fancy, straight-row manner of growth. The ears are very long, not proportionately thick. It is of golden yellow appearance on the ear. When shelled, it has a sort of reddish yellow or speckled appearance. (Corn that shell red are good yielders for rough-and-ready farming.) You will usually find 14 to 20 rows of grains, all tending to grow curved rather than straight, and set close together, with very little waste space between them. Ears of Golden Sure Crop fill out especially well—from butt to tip. The grains are very hard and are not deep, but more square. There is not much cob, so that the proportion of shelled Corn to ear is very satisfactory. An especially good trait of this variety is that it produces a good ear on every stalk in the field—nubbins are very few. We strongly recommend Golden Sure Crop for use where other varieties of Corn have not shown up well—on soil of just average fertility, or even on poor ground, or where proper culture could not be given. This variety will give a very good account of itself under such conditions. Price on application.

WHITE-CAP YELLOW DENT. Acclimated and grown in Lycoming County, this Corn has never failed to mature properly; vigorous habit, large foliage, and a sure cropper. The ears are large—9 to 11 inches and 14 to 16-rowed—well filled out and showing practically no gloss whatever, thus demonstrating its well-bred propensities. The grains are large, beautiful lemon-yellow, and white-capped. Price on application.

LONGFELLOW FLINT. This for a long time has been the popular 8-rowed Yellow Flint Corn. It is a very productive variety; ears 12 to 14 inches long and matures where the Yellow Dent fails. Price on application.

WRITE FOR MARKET PRICES BEFORE ORDERING

In ordering Seed Corn by Parcel Post allow for postage and cost of bags; see third page of cover.

Owing to unsettled conditions prices of all Seed Corn are subject to change without notice.
ENSILAGE SEED CORN
Lancaster County Sure Crop

HOLDS FIRST PLACE IN THE ESTIMATION OF MANY LEADING FARMERS

Of late many have come to believe that considerable Corn, as well as stalk, should go into the silo—and that where length of season permits, the Corn grains should be well glazed before cutting. Farmers with this viewpoint are firm believers in Lancaster County Sure Crop as the very best Corn for this purpose. Farm Bureau Agents throughout Pennsylvania have become acquainted, through tests with the merits of this variety, with its nutritive value as compared to other silage Corns, and recommend it highly. This variety grows quite tall—is very leafy—develops ears early—withstands drought—will develop Corn well to the north. You will be pleased with Lancaster County Sure Crop as a silo-filling variety—rich in its protein content. Price on application.

Virginia-grown Eureka

It is the largest Corn we know of, growing from 14 to 18 feet high, on stalks 2 to 2 1/2 inches in diameter, and has a vast amount of foliage. If it is a question of tonnage on your farm, grow Eureka Ensilage Corn. It gives you a succulent, palatable, cheap feed the year around. The seed we offer is the genuine Eureka, grown in the Shenandoah Valley of Virginia, and will give one of the largest crops of Ensilage Corn you have ever had. Price on application.

Improved Golden Dent

VIRGINIA-GROWN

We offer this as the best Yellow Ensilage Corn we can find. The grower says: "We have been carefully growing and selecting this Corn for several years until now we have in it the most prolific and hardly yellow Corn to be had for the South. It is not a Flint variety, but being a moderately hard Corn, does not rot in the fields as do many varieties of yellow Corn. It is exceptionally early, maturing fully three weeks ahead of Eureka, or as early as Blue Ridge." Price on application.

Blue Ridge

A NEW VARIETY OF ENsilAGE CORN OF GREAT MERIT

Blue Ridge is at least three weeks earlier than its famous prototype, Eureka, with all its good qualities and none of its faults. It is a product of the Blue Ridge Mountains of Virginia, bred for earliness so as to give a glazed ear in this locality at harvest-time. It grows 12 to 14 feet high, on a thick, heavy stalk, well filled with leaves which retain their color well to the ground until harvested. The ears average 10 to 12 inches long; the grain is broad, thick and white, containing an unusual amount of sugar, making this variety the ideal Ensilage Corn, insuring an appetizing and good-keeping silage. (See illustration from an actual photograph, two-thirds natural size.) Price on application.

<table>
<thead>
<tr>
<th>Capacity of Silos</th>
<th>Silage for 200 Days</th>
<th>Average acreage required</th>
<th>Seed required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>Diameter</td>
<td>Tons capacity</td>
<td>No. of animals to be fed</td>
</tr>
<tr>
<td>24 feet</td>
<td>12 feet</td>
<td>54</td>
<td>15</td>
</tr>
<tr>
<td>28 feet</td>
<td>12 feet</td>
<td>64</td>
<td>15</td>
</tr>
<tr>
<td>28 feet</td>
<td>14 feet</td>
<td>86</td>
<td>15</td>
</tr>
<tr>
<td>30 feet</td>
<td>14 feet</td>
<td>92</td>
<td>20</td>
</tr>
<tr>
<td>32 feet</td>
<td>16 feet</td>
<td>120</td>
<td>20</td>
</tr>
<tr>
<td>34 feet</td>
<td>16 feet</td>
<td>128</td>
<td>20</td>
</tr>
<tr>
<td>35 feet</td>
<td>18 feet</td>
<td>162</td>
<td>25</td>
</tr>
<tr>
<td>36 feet</td>
<td>18 feet</td>
<td>172</td>
<td>25</td>
</tr>
</tbody>
</table>

Seed Corn costs less per acre than any seed you use. It is just simply good business sense to have only the very best. Why use "run-out" seed? It cuts both yield and quality.
Northern-Grown Seed Potatoes

GROWN ESPECIALLY FOR SEED

For many years we have made a specialty of supplying our trade with northern-grown Seed Potatoes, and have enjoyed a greatly increased trade from year to year. This we attribute to the fact that our stock is especially grown for seed, by experienced growers in the cold northeast and being pure and true to name, produces a much larger yield, and Potatoes of a much finer quality, than the home-grown and western stocks usually sold in the open market for seed purposes.

We begin shipping Seed Potatoes as early in the spring as weather conditions will permit, usually the latter part of March. However, we urge our customers to place their orders early, while our stock of all varieties is complete, as it frequently happens that we are unable to supply certain varieties late in the season. Owing to the perishable nature of Seed Potatoes the market is subject to radical changes, and it is impossible for us to guarantee prices; therefore, the prices given here are subject to change. Write for quantity prices.

Irish Cobbler

An early, white-skinned variety; very short, thick, inclining to round. This is yearly increasing in popularity for the early market. But few varieties, if any, combine earliness, size, and production in as great a degree. The crop is ready for market about ten days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra-early varieties nor greatly surpassed in yield by any of the main-crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. No other of the early varieties is as dependable as this, and is so certain to produce a crop. Pk. 75 cts., bus. $2.50.

PURE EARLY ROSE. The good old favorite; pure and true. Every farmer and gardener knows the good Early Rose Potato, and nothing need be said in its favor. Our seed is grown in New York state, and we can offer it as the purest and best that can be had. Pk. 75 cts., bus. $2.50.

Early Ohio. A few days earlier than the Early Rose, and similar in color and habit of growth; quality dry and mealy. Pk. 75 cts., bus. $2.50.

Stray Beauty. Extremely prolific and a full week in advance of Early Rose. Color a beautiful light red; size medium; growth very uniform. Shape, nearly round. The flesh is white; very mealy when cooked. Pk. 75 cts., bus. $2.50.

Burpee’s Extra Early. Of the finest quality and good size. Tuber oblong, white, or very pale brownish skin; few and shallow eyes. Pk. 75 cts., bus. $2.50.

Irish Cobbler Potatoes

Keystone Market Potato

As a commercial Potato, with its smooth, very white skin, free from scab, it brings attractive prices; as a shipper and long keeper, it is superb. The quality is all that can be desired, being mealy with a delightful flavor. When baked in the jacket it has that white flaky appearance so much desired, and when removed from the jacket it stands up like whipped cream. It is simply delicious, healthful, and wholesome. Being a medium-late variety, with its exceedingly good habits and with an individuality decidedly its own, it has kept in the fore ranks of popularity since its introduction. Pk. 75 cts., bus. $2.50.
We Are Headquarters for

Pulverized Sheep Manure

"A BAG EQUALS A LOAD"

Nature’s Fertilizer, Kiln-Dried and Pulverized.
Free from Weeds—It Makes All Plants Grow

This is probably the most extensively used of any animal manure by the florists and market-gardeners. The analysis shows it to be a perfectly balanced plant-food.

Pulverized Sheep Manure acts quickly, and is invaluable for all crops that require a quick stimulant at certain stages of development.

GET THE GENUINE SHEEP’S-HEAD BRAND—DO NOT BE FOOLED WITH ODORLESS SHEEP MANURE. IF YOU TAKE THE ODOR AWAY, YOU TAKE AWAY THE MOST VALUABLE PART—THE NITROGEN.

THE GENUINE SHEEP’S-HEAD PULVERIZED SHEEP MANURE IS A LIGHT BROWN COLOR. IT IS NOT BURNED BLACK LIKE INFERIOR GRADES. IF YOU CANNOT SMELL PULVERIZED SHEEP MANURE A MILE AWAY (FIGURATIVELY SPEAKING) IT IS NOT THE REAL ARTICLE.

It is prepared by a special drying, screening and grinding process which destroys every weed seed and eliminates every bit of worthless bedding and foreign matter. Only the pure fertilizer in most concentrated and effective form is packed in bags for convenient and economical use.

Lb. 10 cts., 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3, 500 lbs. $13, ton $45.
Special prices on car lots, f. o. b. factory, on request

Legume Inoculation

Helps Raise Better Crops

It is very important that legume crops should be soil-builders, not soil-robbers. Legumes without proper bacteria rob the soil of nitrogen, making it poorer, the same as other crops. Legumes supplied with strong active bacteria of the proper kind produce larger yields and also enrich the land.

These bacteria, when present in sufficient numbers, attach themselves to the roots of legumes, wherein they live and draw large quantities of nitrogen from the air. This nitrogen drawn from the air by the bacteria greatly aids the growth of the crop with which they are living and at the same time there is being deposited in the soil quantities of nitrogen to grow further good crops of any kind.

Since the importance of these bacteria is an established fact, it is most advisable to make sure crops are properly supplied. This can be done by putting Nodule-Bacter inoculation on the seed before planting.

Nodule-Bacter is easily and effectively used by anyone; no special implements or experience are needed. The cost is so little you cannot afford to take chances on money invested in seed and labor without inoculating.

Nodule-Bacter is prepared for the various legume crops as follows:

<table>
<thead>
<tr>
<th>Crop</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alfalfa</td>
<td>$0.40</td>
</tr>
<tr>
<td>Sweet Clover</td>
<td>$0.40</td>
</tr>
<tr>
<td>Red Clover</td>
<td>$0.40</td>
</tr>
<tr>
<td>Crimson Clover</td>
<td>$0.40</td>
</tr>
<tr>
<td>White Clover</td>
<td>$0.40</td>
</tr>
<tr>
<td>Alsike Clover</td>
<td>$0.40</td>
</tr>
<tr>
<td>Soy Beans</td>
<td>$0.40</td>
</tr>
<tr>
<td>Garden Beans</td>
<td>$0.40</td>
</tr>
<tr>
<td>Field Beans</td>
<td>$0.40</td>
</tr>
<tr>
<td>Vetches</td>
<td>$0.40</td>
</tr>
<tr>
<td>Garden Peas</td>
<td>$0.40</td>
</tr>
<tr>
<td>Canada Field Peas</td>
<td>$0.40</td>
</tr>
</tbody>
</table>

Garden Size package of a combination culture sufficient to inoculate two quarts of sweet peas, garden peas, or beans, 35 cts. (This size is not put up for other crops.)

Each legume crop must have the proper bacteria; therefore, when ordering be sure to give the names of crops to be inoculated.

Descriptive Circular Free Upon Request
Fertilizers and Thorough Cultivation Make a Good Garden

OUR SPECIAL GARDEN FERTILIZER

(Royster's Special Trucker 4-8-5)

Agricultural science has found a way to make soils productive. Soils, to be productive, must furnish a suitable and congenial home for the plant to be grown, a home where it can develop and thrive with the least amount of resistance. Given this sort of a home, and with the aid of Nature’s sunshine and rain, and the judicial use of plant-food, the growing of crops becomes a pleasure and a source of profit.

All growing plants require food. The ease with which this food is obtainable determines the development of the plant. For the garden where a diversified growing of plants is desirable, we know of no better form of plant-food than Our Special Garden Fertilizer. It contains the right amount and the right kind of plant-food for the growing of bumper crops of potatoes and vegetables. Containing 4% ammonia, 8% phosphoric acid and 5% potash.

**Lb. 10 cts., 3 lbs. 25 cts., 10 lbs. 65 cts., 25 lbs. $1.25, 50 lbs. $2, 100 lbs. $3.50, ton $50 (in 167-lb. bags)**

### THE TWO MAGIC PLANT GROWERS

**NITRATE OF SODA.** This is the most soluble and quickly available form of nitrogen or ammonia. It is especially valuable for cabbage, cauliflower, beets, carrots, onions, tomatoes, potatoes and similar crops, as well as for grass and grain. It is immediately available to the plants when applied. If your plants don’t grow well, try a little Nitrate on them—but don’t use too much. Lb. 10 cts., 2½ lbs. 25 cts., 5 lbs. 45 cts., 12 lbs. $1, 25 lbs. $1.50, 100 lbs. $4.75, 200 lbs. (original bag) $9. Nitrate of Soda can be sent by mail, in metal containers. Lb. 15 cts. (postpaid, 20 cts.), 4 lbs. 50 cts. (postpaid, 60 cts.).

**SULPHATE OF AMMONIA.** Is the most concentrated nitrogenous top-dressing fertilizer on the market. The guaranteed analysis is 25½% per cent ammonia. Superior to nitrate of soda in many ways. It is entirely soluble and is immediate in its action and will invigorate the grasses and shrubbery to a luxuriant and healthful growth. **Sulphate of Ammonia** is a chemical compound of high purity. It is odorless, clean, and entirely free from weed seeds. Apply at the rate of 100 to 200 pounds per acre (½ to ¾ lb. per 100 sq. ft.). Lb. 10 cts., 2½ lbs. 25 cts., 5 lbs. 45 cts., 12 lbs. $1, 25 lbs. $1.50, 100 lbs. $10

**BONE MEAL.** Pure ground bone. It is rich in nitrogen and phosphoric acid, the two principal plant-foods. Lasting in its effect; especially fine for rose and other blooming shrubs. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3, 500 lbs. $14, ton $55.

**CATTLE MANURE.** (Pulverized or Shredded.) A valuable fertilizer for the garden; carefully prepared by drying and screening. In 100-lb. bags only, 3% each, 500 lbs. $14, ton $48.

**LAND SALT.** 10 lbs. 25 cts., 25 lbs. 50 cts., 50 lbs. 85 cts., 100 lbs. $1.25, ton $20.

**HYDRATED LIME.** Slaked and pulverized, ready to apply to the soil. Hydrated (Powdered) Lime can be more uniformly distributed than other forms of Lime. Especially prepared for the lawn and garden. Bag (50 lbs.), delivered in the city, 75 cts., ton $14.

**ACID PHOSPHATE** (16 per cent). Apply 300 pounds per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. 100 lbs. $1.50, 167 lbs. (original bags) $2 (delivered in city $2.25); ton $22.

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**ROYSTER'S PENNSYLVANIA POTATO GUANO** (2-6-3). A garden and potato fertilizer for the market and home-garden containing 2 per cent ammonia, 6 per cent phosphoric acid, and 3 per cent potash, well balanced in the essential plant-foods for the production of bumper crops of vegetables and potatoes. Lb. 10 cts., 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3, ton $40.

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Armour's

**BIG CROP Fertilizers**

**BIG CROP (1-9-3).** 125 lbs. $2.25, ton $32.

**BIG CROP (2-8-5).** 125 lbs. $2.50, ton $36.
INSECTICIDES AND FUNGICIDE

WHAT PYROX IS and WHAT PYROX DOES

Pyrox is a powerful fungicide; it controls fungal diseases even some serious ones that other fungicides do not control. A strong poison insecticide, it kills chewing insects, even those which are hard to kill, like the hard-shelled potato beetle.

Over twenty years of practical farm use have proved Pyrox the most effective remedy against both serious fungal diseases and chewing insects. It contains the essential copper in proper quantity for sale use and in most active form for greatest fungicidal value. In Pyrox the poison insecticide is chemically blended with the copper fungicide, which increases the effectiveness of both.

It saves labor; it is easy to use—simply mix with cold water and spray.

It goes farther; it is so smooth and fine that the finest nozzle can be used without clogging. The resulting mist-like spray covers more surface.

It gives more thorough protection. It should be put on with fine nozzle, because when applied in the finest mist it covers more thoroughly every part of the leaf or fruit.

It gives more lasting protection; it sticks like paint and stays on for weeks. Even hard rains do not wash it off once it is thoroughly dry.

It helps to increase yields; the copper fungicide in Pyrox stimulates the leaves, makes them greener and more vigorous and helps to increase yields even when there is no disease.

Get ahead of the crows by treating seed corn with Pyrox

Lb. 50 cts., 5 lbs. $1.75, 10 lbs. $3, 25 lbs. $6, 100-lb. keg $18.50. Cannot ship by Parcel Post

SCALECIDE. The latest and best spray for San Jose scale, cottony maple scale, and pear psylla.

It is not poisonous, being simply a mechanical preparation of petroleum oil that instantly mixes with cold water and is immediately ready to apply. One gallon of Scalecide to 20 gallons of water sprayed on your trees and bushes, will kill every scale that it reaches without injury to tree or fruit if applied in late fall, winter, or early spring, while the foliage is off. Safe and easy to apply. The new 15-gallon drum contains enough Scalecide to spray the same number of trees as a 50-gallon barrel of concentrated Lime-Sulphur Solution. Qt. 75 cts., gal. $3, 5 gals. $6.25, 15-gal. drum $11.50, 50-gal. bbl. $38.

Para-Dichlorobenzene (Hooker's Paradise). A successful remedy for controlling the peach borer. Use 1 ounce to a tree. Lb. 50 cts., 5 lbs. $1.75, 10 lbs. $3, 25 lbs. $6.75, 50 lbs. $13, 100 lbs. $25.

Kayso. The Casein spreader. Makes spraying more economical; retards and prevents harmful chemical reaction. Lb. 25 cts., 10 lbs. $2.30, 100 lbs. $20.

Grafting Wax. ½lb. 25 cts., lb. 40 cts.

Paris Green. The strongest insect poison. ½lb. 20 cts., ½lb. 35 cts., lb. 65 cts., 5 lbs. $3.

Melrosine Rose-Bug Destroyer. A splendid insecticide against all pests. The general contact insecticide that kills rose-bugs and other insects. Trial Size 50 cts. Pt. $1, qt $1.75, ½gal. $3.25.


Sulphur, Powdered. Lb. 5 cts., 100 lbs. $2.75.

Nico-Flume Liquid. A highly refined solution of "Free Nicotine" for the control of aphids, thrips, etc., under glass. Used either as a spray or vaporizer in fumigating houses. 8 lbs. $15.


Tobacco Dust. For dusting only, excellent for lettuce and other plants, to destroy soft, chewing insects. Lb. 10 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 100 lbs. $3.75.

Whale or Fish-Oil Soap. An excellent summer spray when something stronger cannot be used. ¼lb. 15 cts., lb. 25 cts., 10 lbs. $2.50, 25 lbs. $4.50.

Weed and Ivy Killer. Used for killing weeds, ivy, grass, etc., in paths, gutters, roadsides, tennis courts, or wherever vegetation is not wanted. ½gal. 75 cts.

Rat-Nip. Kills rats every time. Tubes 35 cts. each.

"Black Leaf 40." A concentrated solution of nicotine sulphate; an excellent spray for black aphid and sucking insects of all kinds. Dilutes one part to 900 or 1,000 parts of water, according to treatment. Full directions on each package. Oz. 35 cts., ½lb. $1.25, 2 lbs. $3.50, 10 lbs. $13.50.

Formalin. (Formaldehyde, 40 per cent.) A valuable disinfectant for destroying germs that cause diseases in plants. ¼pt. 35 cts., pt. 50 cts.

Arsenate of Lead, Powdered. This form of Arsenate is exclusively used. It is instantly soluble in water and a pound of it goes almost twice as far as 2 pounds of paste Arsenate. One pound dilutes to 50 gallons of water. ½lb. 30 cts., lb. 50 cts., 5 lbs. $2.25, 10 lbs. $4.25.

 Slug-Shot. The standard remedy for currant worms, rose slugs, cabbage worms and almost any soft-shelled insects that infect the vegetable or flower-garden. Lb. carton 20 cts., 5 lbs. 60 cts., 10 lbs. $1.15.

Blue Stone (Copper Sulphate). Crystals. For making Bordeaux mixture; best-known remedy for blight. Lb. 15 cts., 10 lbs. $1.40, 100 lbs. $10.


Insecto. A dry powdered combination insecticide and fungicide for fruit trees and garden spraying. This material is a combination of dry powdered form of Arsenate of Lead and Bordeaux Mixture material. Lb. 75 cts., 5 lbs. $3.50.

Sulfocide. A summer spray for use against some fungous diseases of certain fruits, vegetables, and flowers. Qt. 75 cts.
Spray Pumps, Nozzles and Fixtures

Send for Special Pump Catalogue. We can save you money. We have a complete line of supplies, and can fill your wants promptly.

GOULD'S POMONA BARREL SPRAY PUMP. Large size. Bronze parts, agitators and 15 feet of hose, complete, $28.

GOULD'S FRUITAL BARREL PUMP. All bronze parts; complete, with 15 feet of hose, $19.

Spray Boom Attachments

For spraying potatoes, celery, etc. Can be attached to the rear of any wagon or cart having a barrel or power pump. Sprays 3 to 6 rows at a time, adjustable horizontally or perpendicularly with 1 or more nozzles to the row.

Spray Boom A. Adjustable, 4 rows. Made so that ends can be swung up, allowing passage through gates. Equipped with 4 nozzles, $14.

Red Head Glass Reservoir Hand Sprayer

Barrel 18 inches long, 2 inches in diameter

This is a reliable and popular Hand Sprayer, having a glass reservoir and self-lubricating plunger, qualities that make it a strictly reliable Sprayer for the home-garden and poultry-yard. The things which count are the volume of air and the evenness of the pressure. Most sprayers lose their efficiency on account of the leakage of a dry plunger leather. 85 cts.; postpaid, $1.

HAND SPRAYER. Tin reservoir, two sizes, 50c. and 65c. each. Postage extra.

No. 26-A. Continuous Hand Atomizer, Brass. $1.25; postpaid $1.40.
No. 26-C. Continuous Hand Atomizer, Tin. 85 cts.; postpaid $1.

The Auto Spray Compressed-Air Pump

Now used by all leading florists, gardeners, and fruit-growers, and almost indispensable in the poultry-house. It operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity, 40 pounds.

No. 1-D, Galvanized Iron. Equipped with hose and Auto-Pop, $6.50.
No. 131. Lowell Powder Blowers. 75 cts. each.

NON-KLOG JR. SPRAY NOZZLES. Angle or straight, 75 cts.

BAMBOO EXTENSION RODS. With connections. 6 or 9-ft. $3.50 each.

BRASS EXTENSION RODS. 2 feet long. 75 cts. A Complete Line of other Nozzles and Connections.

CYCLONE BROADCAST SEEDER. Simple in construction and easy of operation; has automatic regulator and cut-off, and performs its work perfectly. It is practical. Price, $2.50; postage 10c. extra.

ACME CORN PLANTER. Works in any soil; has flexible and adjustable iron drop; does not wear the brush; has iron seed-box and iron channel; foot made of polished steel. Well made, durable, reliable; gives universal satisfaction. Prices, $1.50 to $2.50 each.

ASPARAGUS or WEEDING KNIVES. For cutting Asparagus or Weeds. Made of good tool steel, highly polished, with spring temper. 20 inches long—with 1½-inch cutting face. Fitted with rubberoid handles. 75 cts. each (postpaid, 85 cts.).

DIBBLES. Iron Point, small, 50 cts.; Iron Point, large, 65 cts.; Brass Point, the most popular for truckers, 85 cts.; postpaid 10 cts. extra.

JUTE STRING. For tying up vegetable bunches, tomato plants, grapevines, etc. Lb. 40 cts., 5 lbs. $1.75. Prices subject to change.
BABY CHICKS

It's a lot easier to get your Chicks ready hatched than to bother with hatching—usually cheaper, too. Just the kind you want—just as many as you need—just when you need them. Take them out of a comfortable shipping-box and watch them start to grow!

We have Day-Old Chicks of the same sturdy utility stock that we had last season. We are not content to supply you Chicks only, but honestly aim to help you raise them successfully to maturity for eggs and meat by offering you the best of feeds and other supplies.

Price List—March 1 to May 15, 1925
For Later Chicks Ask for Special Prices

We guarantee 97 per cent of our Chicks to be alive on arrival. We pay delivery charges by Parcel Post to your office. Claims for losses must be signed by postal official at delivery office.

Send order with full remittance in bank check, postoffice money order, or draft. We cannot ship Chicks C. O. D.

Indicate when you want shipments made. We do not ship less than 25 Chicks of any one variety.

Place your chicks under a brooder with a temperature from 95 to 100 degrees. Remember for the first ten days heat to the baby chicks is as necessary as food.

Leghorns—Single Comb White, Brown, Black, Buff, and Rose Comb Brown... $4 25 $8 25 $16 00
Barred Rocks, White Rocks, Buff Rocks, Single Comb Rhode Island Reds, Rose Comb Rhode Island Reds, Anconas, Single Comb Black Minorcas, and Buff Orpingtons......................... 4 75 9 25 18 00
White Wyandottes, White Orpingtons, Silver-laced Wyandottes, Single Comb Hamburgs, and Rhode Island Whites... 5 25 10 25 20 00

The Truth About Baby Chicks

A reliable authority tells us that it costs an amateur or home breeder 25 cents or more for every live Chick hatched. Frequently these Chicks are low in vitality, coming from ordinary breeding stock, causing many losses and great disappointment.

How much better, quicker and cheaper to buy husky Chicks full of life and energy, hatched from "bred-to-lay," free range stock, all ready at one time to grow and develop profitable producers of eggs and meat.

Feed Baby Chicks for eight weeks on Conkey's Buttermilk Starting Feed with our Combined Regulator Grit. This will give you a wonderful start in securing that flock for next season's supply of eggs.
Poultry and Animal Foods

Our line of poultry foods includes everything necessary to the successful rearing of poultry—feed for the little chick, the growing fowl, and the laying hen.

We aim to handle only “the best” and to give our customers “value received for every dollar expended.” Back of these feeds is our own reputation and that of the responsible concerns who manufacture or assemble them.

Prices subject to change. If to be sent by parcel post, add for postage 5 cents for the first pound and 1 cent for each additional pound, within the First and Second Zones.

Conkey’s Buttermilk Starting Feed. This superior chick-mash was the first commercial poultry feed containing buttermilk—that is why we call it the original buttermilk starting feed. Conkey’s did not “just happen”—it is a scientifically balanced feed as clean and wholesome and as conscientiously prepared as “infant food.” Selected, plump grains, ground to proper fineness, are combined with other ingredients so as to make the feed readily digestible, palatable and nutritious. Taste it—smell it—that’s the way to judge a chick feed. Conkey’s carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, white diarrhea, “leg weakness,” etc. The buttermilk is Semi-Solid buttermilk, blended with the other ingredients by the original process in such a way as to preserve the appetizing, tonic, and other properties of the newly-churned product. Lb. 10 cts., 2 1/2 lbs. 20 cts., 5 lbs. 35 cts., 10 lbs. 65 cts., 25 lbs. $1.50, 100 lbs. $5.50.

Conkey’s Buttermilk Growing Mash. This differs materially in analysis and ingredients from Conkey’s Buttermilk Starting Feed, being balanced to continue the rapid growth begun by the Starting Feed. The Growing Mash is a richer feed, higher in protein and bone than the Starting Feed. It also contains a little more fiber. It also contains less corn, because corn is heating in summer and also fattening, whereas the developing bird requires muscle and bone-forming materials. 1 lb. 7 cts., 5 lbs. 30 cts., 10 lbs. 55 cts., 25 lbs. $1.25, 50 lbs. $2.10, 100 lbs. $4.

Buttermilk Laying Mash (Conkey’s). Contains dry buttermilk, a valuable feed for egg-production. No other Mash compares with Buttermilk—it is in a class by itself. Sold by us for years on its merits. Feed it dry and you will be more than pleased. Feed for eggs and get them. Lb. 5 cts., 10 lbs. 50 cts., 25 lbs. $1.10, 50 lbs. $2.50, 100 lbs. $3.75.

Chic-Grain (Chapel’s). Contains no grit to make weight, and not too much corn. It is made from pure, wholesome, screened, and cracked grains only. It is the highest grade of Chick Grain ever made, and worth all it costs. Feed in combination with Conkey’s Buttermilk Starting Feed and Chapel’s Regulator Grit. Lb. 8 cts., 2 1/2 lbs. 20 cts., 10 lbs. 55 cts., 25 lbs. $1.30, 50 lbs. $2.50, 100 lbs. $4.90.

Chick Grain (Conkey’s). Pure grains only. Made from pinhead oatmeal, cracked white and yellow corn, cracked wheat, cracked peas, Kaffir corn, Milo maize, millet, etc. Lb. 7 cts., 2 1/2 lbs. 15 cts., 5 lbs. 25 cts., 25 lbs. $1.10, 50 lbs. $2.10, 100 lbs. $4.

Growing Grain (Conkey’s). Composed of practically the same ingredients as Conkey’s Chick Grain, but is made coarser to meet the requirements of growing chicks until ready for the regular scratching feed. Lb. 6 cts., 5 lbs. 25 cts., 10 lbs. 45 cts., 25 lbs. $1, 100 lbs. $3.50.

Scratch Grain (Conkey’s). Made from pure grains only. Not a pound of waste to the ton. Balanced to produce eggs; properly sized and mixed. Lb. 5c. 5 lbs. 25 cts., 25 lbs. $1, 100 lbs. $3.25.

Bone, Fine and Coarse Cracked. Lb. 5 cts., 25 lbs. $1.25.

Bone Meal. For mashes. Lb. 6 cts., 25 lbs. $1.25.

Bran. Lb. 4c., 25 lbs. 60c., 50 lbs. $1.10, 100 lbs. $2.

Pigeon Feed (Conkey’s). For pigeons. Lb. 8 cts., 10 lbs. 60 cts., 100 lbs. $5.

Charcoal, Granulated, Fine and Coarse. Lb. 10 cts., 5 lbs. 35 cts., 25 lbs. $1.25, 50 lbs. $2.

Cut Clover. Excellent for mashes or as litter for little chicks. Lb. 6 cts., 5 lbs. 25 cts., 25 lbs. $1, 50 lbs. $2, 100 lbs. $3.50.

Chic-Chuck. A specially prepared fish-scrap. Lb. 6 cts., 100 lbs. $5.50.

Meat Scrap. Best quality. 45 to 55 per cent protein. Lb. 6 cts., 10 lbs. 60 cts., 100 lbs. $5.

Middlings. Lb. 5 cts., 25 lbs. 75 cts., 50 lbs. $1.50, 100 lbs. $2.50.

Oil-Meal (Old Process). For mixing in mashes and feeding to aid molting. Lb. 5 cts., 100 lbs. $3.25.

Oil-Meal (Pure ground Flax Meal). A special tonic feed for stock. Lb. 15 cts., 2 lbs. 25 cts.

Oyster Shells. Furnish lime to make egg-shells. 5 lbs. 10 cts., 100 lbs. $1.25.

Dairy and Table Salt. Lb. 2 cts., 100 lbs. $1.25.

Salt Brick, Edgerton’s Medicated, for horses, cattle, and hogs. Keep your stock from getting sick. They lick it—they like it—the more they eat, the better. This is one of the best-known tonics for all kinds of stock. Contains dairy salt, saltpetre, sulphur, copperas, nux vomica and a preparation of lime. 25 cts. each (by parcel post, 35c.), $2.75 per doz. (by parcel post, $3.20).

Stone Grit. Necessary teeth for poultry. 5 lbs. 10 cts., 100 lbs. $1.25.

Regulator Grit. A combination Grit necessary for little chicks and laying fowls containing all the necessary ingredients for the proper grinding and mastication of food. 2 lbs. 10 cts., 5 lbs. 25 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3.

Chapel’s Regulator—A Combination Grit Necessary for Little Chicks and Laying Fowls

Contains cracked bone for the building of bone and frame, charcoal for the sweetening of the crop and as an aid to digestion. Egg Shell Grit is the proper size for the proper mastication of food, together with other ingredients necessary for the proper grinding of food, body-building material, teeth, and tonic. A most valuable product for the proper raising of little chicks. Keep it before them all the time in a grit hopper or scatter in the litter. 2 lbs. 10 cts., 5 lbs. 25 cts., 25 lbs. $1, 50 lbs. $1.75, 100 lbs. $3. Postage extra.
Conkey's Poultry Remedies and Insecticides

Poultry cannot be profitable unless they are healthy. The importance of prevention by the use of a germicide, like Nox-i-cide, should not be underestimated. This line is complete. Postage extra, 5 cts.

Conkey's Poultry Book free

Pratts Poultry Remedies

Satisfaction guaranteed or money back.

Pratts Baby Chick Food

A scientifically prepared food that gives baby chicks the strongest kind of start. It's life insurance for baby chicks. 2½-lb. package, 25 cts.; 5¼-lb. package, 50 cts. If wanted by parcel post add 10 cts. for postage.

Pratts Poultry Remedies

Carried in stock.

Don Sung Makes Hens Lay

How to tell a hen from a rooster—feed them Don Sung and if they do not lay, they are roosters. Don Sung is Chinese for "egg-laying"; it puts pep into the flock; makes them healthy and vigorous; makes hens lay; gets the eggs in any weather. It is easily given in the feed and doesn't force or hurt the hen in any way. Don Sung is a real tonic. Try it—if it doesn't pay for itself and pay you a good profit besides, your money will be promptly refunded. Trial size (45 tablets), 50 cts. (postpaid, 55 cts.); large size (135 tablets), $1 (postpaid, $1.05). Special Size (about 800 tablets) $5, (postpaid, $5.08).

Clove's Dog Medicines

Mange Medicine...65 per bottle | Distemper Med...$1 25 per bottle
Diarrhea Medicine...65 " " | Fit Medicine.........65 " "
Vermifuge........65 " " | Cough Mixture........65 " "
Worm Capsules......65 " " | Eye Lotion...........65 " "
Liver Pills........65 " " | Tonic.................65 " "
Kenoil Soap........30 " " | Condition Pills.......65 " "

Free Book on Diseases of the Dog and How To Feed, on request

Spratt's Patent Dog and Puppy Biscuits

Meat Fibrine Puppy Biscuits. Cartons 15c., 35c., and 70c.

Large Round Dog Cakes in Bulk. lb. 13 cts., 2 lbs. 25 cts., 5 lbs. 60 cts., 100 lbs. $11. Postage extra.

Dog Book Free on Request
### Incubators and Brooders

**Buckeye Incubators**

This Incubator is absolutely guaranteed to hatch every hatchable egg. Anybody can hatch chickens with a "Buckeye." Approved by the National Board of Fire Underwriters. Buckeye Catalogue on request.

<table>
<thead>
<tr>
<th>Style</th>
<th>No. of Eggs</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 14</td>
<td>65</td>
<td>$16.50</td>
</tr>
<tr>
<td>No. 16</td>
<td>110</td>
<td>$27.50</td>
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<tr>
<td>No. 1</td>
<td>Standard</td>
<td>$37.00</td>
</tr>
<tr>
<td>No. 2</td>
<td>Standard</td>
<td>$44.50</td>
</tr>
<tr>
<td>No. 3</td>
<td>Standard</td>
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</table>

**The Buffalo Incubators**

The Buffalo Incubators are hot-air machines, fully guaranteed, and we can recommend them to our customers without reservation.

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 to 60</td>
<td>$20.00</td>
</tr>
<tr>
<td>110 to 120</td>
<td>30.00</td>
</tr>
<tr>
<td>220 to 240</td>
<td>40.00</td>
</tr>
<tr>
<td>340 to 360</td>
<td>50.00</td>
</tr>
</tbody>
</table>

Ask for descriptive circular.

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**Buckeye Coal-Burning "Colony" Brooders**

GROW THREE CHICKS WHERE ONE GREW BEFORE

Save one-half the expense and nine-tenths the trouble

Mothers like an old hen. They are designed right, built right, easy to handle and burn coal in a powerful cast-iron heater, with a self-feed. They cannot get too hot—a thermostat regulates the drafts. It has a curtain that allows fresh air without drafts.

<table>
<thead>
<tr>
<th>Style</th>
<th>No. of Chicks</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 18</td>
<td>500</td>
<td>$21.50</td>
</tr>
<tr>
<td>No. 19</td>
<td>1,000</td>
<td>$26.50</td>
</tr>
<tr>
<td>No. 25</td>
<td>1,200</td>
<td>$30.00</td>
</tr>
</tbody>
</table>

**Portable Brooders**

They Hover at the Curtain

That's why the chicks never crowd. The reflected radiation from the lamp, together with the direct radiation from the canopy overhead, produces those same ideal conditions that we find in the coal-burner. The chicks hover in circles—around the outside edges—and each individual chick selects the spot that is best suited to his comfort. Being warmest at the curtain there is no incentive for the chicks to seek the center, and consequently there is no inclination to "crowd" or "pile."

**Home Portable Brooder.** 50-chick size.........$5.50 (postpaid $6)
**Buckeye No. 20.** 19-inch diam., 60-chick size........$11.75
**Buckeye No. 21.** 22-inch diam., 100-chick size..........$15.50
**Buckeye No. 22.** 30-inch diam., 150-chick size.........$19.00

**The Putnam Home-Made Brooder**

Is Not For Sale

You must make it yourself. The Brooder Heater ONLY is sold. The price of the Heater is $4.75 postpaid. Every Brooder Heater is accompanied by EASILY FOLLOWED DIRECTIONS for building the Home-Made Brooder.

The materials used to make it are one shoe box and onesixth yard of oil cloth, at an approximate cost of 21 cents, making the complete outfit $4.96.

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"BUILD ONE NOW AND HAVE IT READY FOR YOUR CHICKS WHEN THEY COME"

Place your chicks under a brooder with a temperature from 95 to 100 degrees. RE-MEMBER for the first ten days heat to the BABY CHICKS is as necessary as FOOD.
**Poultry Requisites Bring Success**

**Eclipse Chick Feeder**
Most reliable; will not upset or waste food. Sliding top makes them easy to fill and keep clean. Will not rust. 10 openings. 25 cts. (postpaid 30 cts.); 20 openings, 50 cts. (postpaid 60 cts.).

**Round Chick Feeders**
The top fits snugly; yet can be easily taken apart for cleaning and filling. 6 feeder holes 15 cts. (postpaid 20 cts.); 12 feeder holes 25 cts. (postpaid 30 cts.).

**Star Chick Fountains**
Star shaped; will fit any Mason jar. We do not furnish jars. 10 cts. each. 3 for 25 cts. (postage extra 5 cts.).

**Tycos Incubator Thermometer**
Can be used with or without the stand. 75 cts. (postpaid 80 cts.).

**Tycos Certified Incubator Thermometer** $1 (postpaid $1.05).

**Tycos Incubator Hygrometer** $1.05 (postpaid $1.75).

**Brooder Thermometers** 60 cts. (postpaid 85 cts.).

**Sell Eggs By Mail**
To your city friends. Ship in aluminized METAL EGG CRATES

Indestructible; pays for itself in a few shipments; lasts for years; makes interchangeable shipping easy. Buy yours now and realize more money for your eggs. Your friends want them.

The Metal Edge Filler is a wonder. A new invention and cannot be beat; for safety Light in weight but strong.

**Drop Bottom Wall Fountains**
The pan, which forms the trough, is hinged at the back and fastened by a catch in front. The flat back allows the fountain to be firmly placed against the wall and the drop bottom enables the fount to be thoroughly cleaned and kept in a sanitary condition. 2-qt. size, $1.25; 3-gal., $1.60.

**Automatic Fountain**
An absolutely sanitary fountain made to fit any half-gallon, quart or pint Mason Jar. The pan on this fountain is hinged to wire that supports the jar. We do not furnish jars. 15c. (postpaid 20 cts.).

**Grit and Shell Box**
Chick size, 75c.; poultry size, $1.40.

**Poultry Punches**
25 and 50 cts.

**Celluloid Spiral Leg Bands**
Come in all colors, large and small sizes. Doz. 15 cts., 25 for 30 cts., 50 for 50 cts., 100 for 90 cts.

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**The Peerless Dry Food Hopper**
This device is new, a self-feeder with an unobstructed feed outlet; simple in construction, strong and serviceable. A great saver of feed, time and labor. It requires no attention except refilling when empty. Suspend the Hopper from roof of pen, using cord and pulley, or hook, as shown in cut; always high enough from floor of pen to compel the birds to exert themselves to reach the food. By this method of use it occupies no floor or wall space, and is inaccessible to rats or mice.

Has come in center which insures continuous movement of feed. 8-qt. size, $1.75; 16-qt. size, $2.25.

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**Oaks Dry Mash Hopper**
Does not clog, being wider at the bottom than at the top and having a wire screen that prevents clogging. It is made of heavy galvanized material and will last a lifetime. Chick size, 12-in. $1.75; 18-in. size, $2.25; 24-in. size, $2.75.

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**Oaks Dry Mash Hopper**

**Drop Bottom Wall Fountains**

**Automatic Fountain**

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**Grit and Shell Box**

**Poultry Punches**

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**Celluloid Spiral Leg Bands**

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**Parcel-Post Egg Mailing-Boxes**
BLATCHFORD'S CALF MEAL

The Complete Milk-Equal
Just the thing to raise or veal your calves right from birth.
Then sell your milk and get the benefit of the high creamery prices.

Blatchford's Pig Meal
From Pig-hood to Pork-age it gives big bone and solid flesh. Prevents loss of growth and vitality during the critical weaning period, and always makes the runts catch up.

Sold in 25, 50 and 100-lb. bags.
25 lbs. $1.50, 50 lbs. $2.90, 100 lbs. $5.50. Prices subject to change

KOW-KURE
If a cow is well—if her organs of production are doing their duty—she will yield well. Time was when the cow that became sluggish and seemed to be going backward was promptly sold to the butcher.
Thousands of cow owners have found that in most cases proper treatment will save them the difference between the price of a beef cow and a vigorous milch cow.
Most dairy cow ailments are simple if the source of the trouble is reached. If the organs of production or reproduction are not doing their duty, try Kow-Kure—the medicine for run-down cows. It has worked wonders in many herds, and is especially recommended for the prevention and cure of Abortion, Barrenness, Milk Fever, Scouring, Lost Appetite. Send for Booklet. Price, 65 cts. and $1.25.

CROCKS, JARS, AND FLOWER POTS
Stoneware Pottery is one of the most sanitary and economical ways to keep foods and liquids around the house and farm. Our line in crockery ware is complete. We carry in stock the Butter Jars up to 2-gallon size; the standard jars from 1 to 30-gallon sizes and the milk-pans up to 2-gallon size, and jugs from 1 to 5-gallon size.
BEST GRADE BERRY BASKETS
Made of Sweet Gum

Standard quart and pint-size Baskets for strawberries and other small fruits. Best quality. "Arrow Brand" Berry Baskets are superior to other makes. They are packed securely in crates of 1,000. Prices on request.

Apple and Potato Picking Baskets
Made of white oak, very durable, ¾ and 1-bus. sizes.

THE CUMMER FOLDING CRATES
For potatoes, apples, etc. Strongly made, will stand hard usage. Folding up when not in use, can be stored in small space. 1-bus. size 75 cts. each.

Peach and Tomato Baskets
Containers for marketing Peaches, Tomatoes, etc. Standard 16-quart size, made of the best materials. 10 cts. each, $8 per 100.

“Cripit” Peach Basket Carrier
A pressure of the hand attaches or detaches. Forms a bail and handle by which basket can be carried or hung to a tree. Grips tight. By its use two baskets can be carried easier than one in the old way. Baskets can be carried without dropping or injuring the contents. Will last a lifetime. Needed by every one who handles peach baskets for any purpose. A money-saver. 50 cts. each (by parcel post, postpaid, 60 cts.).

New White Oak Iron Hoop-Bound Casks or Kegs
FOR VINEGAR, CIDER, ETC.

Five and Ten-Gallon Kegs can be sent by Parcel Post
5-gal. kegs, $2.50; (by parcel post prepaid, $2.66).
10-gal. kegs, $3.75; (by parcel post prepaid, $4).
15-gal. kegs, $4.50; by express or freight only.

PRICES ON ALL WOODEN WARE SUBJECT TO CHANGE WITHOUT NOTICE

Ideal Fruit-Picking Bag
(UTTERBACK)
Made of heavy-weight duck and so arranged as to equalize the load on both shoulders. The openings are so arranged that both hands can be used in picking, and the draw-string is so placed that the fruit can be let out at the bottom in emptying the bag. The bag can be let down to the bottom of the box before opening the draw-string, thus not bruising the fruit. This is the best and handiest arrangement for picking fruit that has ever been offered. A trial will convince even the most skeptical. $2.25 each (by parcel post, postpaid, $2.40).
Bird Cages and Supplies

For the last two years we have been selling these cages at our store with excellent satisfaction, and, for the benefit of our out-of-town customers, offer here a few of the most desirable styles. Our patrons tell us that they are very beautiful, well made, and reasonable in price. The enameled cages are not to be compared with the common painted stock so often sold. For 50 cents extra we will pack them carefully and deliver them by parcel post direct to your door, together with 1 pound of our choice mixed Bird Seed (value 25 cts.).

All Bird Cages and Supplies are net cash with order.

**Brass Japanese Cage with Brass Guards and Zinc Drawer.**
2584-M. 9 5/8 x 9 5/8 inches. See illustration...$1.00

**Brass Dome Cage, with Wire Guards.**
2525. 10 1/4 inches diameter..........................$3.83
2526. 11 inches diameter............................. 4.60
2527. 11 3/4 inches diameter. See illustration... 5.37

**Enameled Ivory-white Dome Cage, Gold Trimmed Brass Guards.**
2225. 10 1/4 inches diameter..........................$4.43
2226. 11 inches diameter............................. 4.85
2227. 11 3/4 inches diameter.......................... 5.30

**Brass Japanese Lantern Cage, with Wire Guards.**
2535. 10 1/4 inches diameter..........................$4.43
2536. 11 inches diameter............................. 4.85
2537. 11 3/4 inches diameter. See illustration... 5.30

**Brass Cages, with Brass Guards, without Drawer.**
Bot 1372. 10 1/4 x 7 1/2 inches..........................$5.55
2573. 10 1/4 x 7 3/4 inches.......................... 6.25
2574. 11 3/4 x 8 3/4 inches.......................... 7.00
2575. 12 x 9 Inches................................. 7.85

**CAGE STANDS**

No. 27. Floor Stand. Polished brass, iron base with brass shell. Height 5 feet. $6.40.

No. 3. Floor Stand. Polished brass. Height 5 feet, 5 inches. $6.75.

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Bird Supplies

**Ant Eggs.** Genuine Premier. 10 cts.
**Bird Seed.** Pure Sicily Canary. Lb. 25 cts., 5 lbs. $1.
**Bird Manna.** For canary birds. 15 cts. each.
**Bird Bitters.** A health tonic for birds. 25 cts.
**Bird Eye-Water.** Bottle, 25 cts.
**Bird Gravel.** Red or Silver. Two sizes, 10 and 15 cts.
**Bird Teeth.** Makes birds sing. 15 cts.
**Bird Baths.** Opal, 2 sizes, 15 and 20 cts.
**Bird Bath-House.** No. 1, $1; No. 2, $1.25.
**Bird Song-Restorer** (Drahotas). Box, 25 cts.
**Bird Nesting Hair.** Box, 15 cts.
**Brass Wire Guard Cloth.** For cages, including fasteners. 35 cts. per ft.
**Cage Springs.** Brass, two sizes, 10 and 25 cts.
**Cage Springs.** Double Brass. 50 cts. each.
**Cuttle Bone.** For canaries. 5, 10, and 15 cts. each.

**Fish Food.** 10 cts.
**Hemp Seed.** For cage-birds. 1/2 lb. 10 cts., lb. 15 cts.
**Insect Powder Gun.** 10 cts. each.
**Mexican Salve.** Box, 25 cts.
**Mite Powder.** For canaries. Box, 25 cts.
**Moulted Pepper.** For canaries. Box, 25 cts.
**Nestling Food.** For canaries. 25 cts.
**Parrot Seed.** For parrots’ box. 15 cts.
**Rape, Sweet German.** For canaries. Lb. 15 cts.
**Round Covered Cup.** Opal. 25 cts. each.
**Seed and Water Cups.** Opal. Open or closed top. 15 cts.
**Seed and Water Cups.** Crystal. Open or closed top. 15 cts.
**Sunflower Seed.** For parrots. Lb. 20 cts., 5 lbs. 75c.
**Swinging Hooks.** Brass. 10-inch, 25 cts.; 12-inch, 35 cts.
**Wire Breeding-Nest.** 4-in. diameter. 25c. each.
DAIRY SUPPLIES

The dairy business provides a steady and unfailing source of income and is becoming more popular. As the population in the cities increases, the demand for dairy products becomes greater. Few, indeed, are the farmers in the East who have not felt this urge, and dairy farmers are gradually supplanting the straight, grain-producing ones.

With the advent of the silos, supplying, as they do, great milk-producing material during the winter months, the milk-flow can be regulated the season round. Today, cows are the most valuable asset on the farm. A good dairy herd means prosperity to the owner and progress to the community.

It is our desire to cater to the farmer's wants, to be of service to him in supplying his needs, and, as rapidly as we can, to provide additional departments to meet the farmer's needs. We have grown, and expect to continue to grow, with our community. Realizing the need of a place where the dairy farmer can procure all the requisites necessary to the dairy business, we have met this need by adding dairy supplies, commercial mixed dairy feeds, and mill feeds such as bran, middlings, chop, gluten, hominy, and such concentrated feeds as cotton seed and oil meals. We are able to furnish all the things necessary to the dairy farmer, which we are listing in our annual seed catalogue, and we ask the interested farmer to look over our offerings.

NEW YORK PATTERN MILK-CANS. Standard heavy weight shipping Cans. Umbrella top; malleable steel drop handles. 20-qt. size $4.50; 30-qt. size $5.25; 40-qt. size $5.75.

CLEVELAND PATTERN MILK-CANS. Same price, weight, and style as New York pattern, except that they have stationary upright malleable steel handles.

OHIO PATTERN MILK-CANS. Lighter weight than the above patterns with steel tube handles and umbrella tops. 20-qt. size $4; 30-qt. size $4.50; 40-qt. size $5.

Bottle-Caps

One lb. (500 caps) $0.35 (postpaid 41 cts.)
In boxes, 5,000 caps $2.75 (postpaid $2.92)
In bulk, bbl., 50,000 caps, printed $18.00

Bottle-Cases

Standard wood cases, made of hard wood, with strong steel rod partitions and cast-iron piling lugs.

Quart-size. Standard. Holds 12 quart bottles $1.75
Pint-size. Standard. Holds 20 pint bottles... 1.75
¼-pint size. Built up. Holds 20 ¼-pint bottles 2.25
Milk Bottles

The Lockport Milk Bottles, manufactured by the Thatcher Manufacturing Co., are made of the best material. They do not have that bluish cast which is found in inferior bottles, but are clear white, showing to advantage the quality of the milk. The patent seat in the Lockport bottles is a great improvement. It is the only bottle made that will not chip off when machines are used in cleaning. Prices subject to change.

Quarts, $9.75 per gross, $5
Pints, $7.75 per gross, $4
Packed in cases of 1/4 gross. F. O. B. Williamsport, Pa.
10 gross lots, 25 cts. less per gross.
25 gross lots, 50 cts. less per gross.
Name Plates on milk bottles, $2.50 for each size.
We are jobbers of Thatcher Milk Bottles. Orders shipped from factory average about $1 less per gross than above prices. We cannot ship less than 1/4 gross of each size.

Bottle-Brushes

Made of selected hair and spiral wound.
All Bottle and Milk-Can Brushes sent by Parcel Post, 10 cts. extra.
Hand Bottle-Brushes. 10-in. handle, flat top, 75 cts. each; pointed top, 65 cts. each.
Machine Bottle-Brushes. Short handle; flat top, 75 cts. each; pointed top, 65 cts. each.

Milk-Can Brushes

Jersey. Ox-fiber. 65 cts. each.
Gong. Ox-fiber. 60 cts. each.

Wyandotte Cleaner and Cleanser

A cleanser especially prepared for dairy purposes. It contains no grease, lye, caustic, acid, or preservatives. It makes no suds. It is pure and purifying. Wyandotte is used and recommended by every State Dairy School and Agricultural College in this country and Canada. Its use is universally endorsed by Dairy and Pure Food Inspectors, as well as Boards of Health. 5 lbs. 45¢., keg (80 lbs.) $5.29, barrel (280 lbs.) $15. A 5-lb. bag for trial, 55 cts. postpaid.

Perfection Bottle-Carriers

Made of plain annealed steel bands. Will carry quarts, pints, and half-pints.
6-bottle size. Pint or quart. $1.75 each.
8-bottle size. Pint or quart. $2 each.

Champion Milk Coolers

For aerating and cooling milk. Each
No. 2. 10 to 25-cow size. $10.00
No. 3. 25 to 50-cow size. 12.00
No. 4. 50 to 100-cow size. 15.00

B-K has over ten times the power of undiluted carbolic acid for killing germs of disease and the bacteria which cause decomposition and odors in milk containers and utensils. Odors are caused by bacteria. B-K removes the odor by destroying the cause. It leaves no odor of itself.
10-oz. We cannot ship by Parcel Post... $0.60
Quart. We cannot ship by Parcel Post... 1.25
Gallon. We cannot ship by Parcel Post... 3.00
WE WILL GET REPAIRS FOR YOU

FARM MACHINES

Planting and Seeding Machines
Hoosier Grain-Drills
Superior Grain-Drills
Pennsylvania Low Down
International Corn-Planters
Buckeye Corn-Planters
Alfalfa and Grass Drills
Lime-Sowers

Haying Machines
McCormick Mowers
Deering Mowers
McCormick Reapers
International Dump and Side Delivery Rakes
International Combination Side Rakes and Tedders
International Tedders
Keystone Hay-Loaders
Baling-Presses
Sweep-Rakes

Tillage Implements
International Riding, Walking and 1-Horse Cultivators
Buckeye Riding, Walking and 1-Horse Cultivators
Iron Age Cultivators
Planet Jr. Cultivators
Planet Jr. 12-Tooth Harrows
Spring-Tooth Harrows
Peg-Tooth Harrows
Disk Harrows
Culti-Packers
Land-Rollers

Binders and Threshers
McCormick Grain-Binders
Deering Grain-Binders
McCormick Reapers
McCormick Corn-Binders
Sterling Threshing-Machines
Messinger Threshing-Machines

We Supply Everything

SERVICE BY WM.
FOR ANY PIECE OF FARM MACHINERY MADE

AND REPAIRS

Plows and Plow-Shares
Wiard Riding-Plows
Wiard Walking-Plows
LeRoy Riding-Plows
LeRoy Walking-Plows
Tractor Plows
P. & O. Plows
Repairs and Shares for Wiard,
LeRoy, Oliver, South Bend,
Cambridge, Syracuse, John
Deere, P. & O. and Other
Makes of Plows

Dairy and Barn Equipment
Star Water-Cups
Star Litter-Carriers
Star Stalls and Stanchions
Primrose Cream Separators
Simples Cream Separators
Milking-Machines
International Ensilage-Cutters
Dick Ensilage-Cutters
Papac Ensilage-Cutters
International Feed-Grinders
Messinger Choppers
Barn-Ventilators

Other Farm Equipment
Weber Farm Wagons
Monarch Farm Trucks
Jager Concrete Mixers
International Gas Engines
International Tractors
Orr and Sembower Boilers
Orr and Sembower Steam En-
gines
Hamburg Storage Tanks
Goulds Well Pumps

in Farm Implements

E. (BILL) STROBLE
BEE-KEEPERS' SUPPLIES

You will find on this page just a few items to remind you that we carry a complete line of the A. I. Root goods, which we consider the best in the market in point of workmanship and material used. The best is always the cheapest; our goods are sure to please. Prompt and careful attention given to all orders, whether large or small, and mistakes promptly corrected. If you have not already received our complete illustrated Catalogue of Bee-keepers' Supplies send at once for it.

One-Story Standard Hive, with Metal Cover

This Hive is the one most universally used by the largest honey-producers on account of its light weight and the ease with which it may be moved from one location to another. It is furnished either in the eight or ten-frame size. We recommend the ten-frame size in preference to the eight-frame size for either comb or extracted honey production.

Hives in the flat are furnished with nails, tin rabbits, reversible bottomboard, metal cover, with inner cover, Hoffman frames, and complete directions for nailing. If supers are desired they should be selected and ordered extra.

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4¼ x 4¼ x 1¾ Beeway Section Super

This Section Super, 4¾ inches deep, is the one most commonly used. Furnished nailed with or without sections, and with or without inch foundation starters or full sheets. This Super may be used on any of our single or double-walled hives, tiered up one or more high. The ten-frame Super contains seven section-holders of four sections each, while the eight-frame contains six section-holders of four sections each.

<table>
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Airco Comb Foundation


Smokers

The latest improved model has anti-spark tube, which provides a safe force draft, a long-life, flexible hinge, and wire handle that is always cool. Furnished in three sizes. E462301, Junior Tin Smoker, with 2¼-inch fire-box, each 90c. E462301, Standard Tin Smoker, with 3¼-inch fire-box, each $1.15. E462101, Jumbo Tin Smoker, with 4-inch fire-box, each $1.40.

Alexander Bee-Veil

This is one of the most popular Veils made. Being made of screen wire, it is more durable as it will not catch or tear on any obstruction. It is worn without a hat and for this reason it is very cool in summer. The top and bottom are made of muslin. E205579, Alexander Bee-Veil, 90 cts.
Grow Your Own Vegetables
Cut down your living expenses. You'll be astonished how easy it is to save time, labor, and money, and get bigger and better crops when you use
Planet Jr. Garden Tools
ASK FOR CATALOGUE

Planet Jr. Farm and Garden Tools
Planet Jr. Tools are the most carefully designed and constructed, built of the finest materials, and are the most economical because they outlast others and do better work. Planet Jr. Catalogue, 72 pages. Nearly 200 illustrations. Free. Send postal.

No. 4 Planet Jr. Hill and Drill Seeder and Single-Wheel Hoe
Price, complete, $19
As a Seeder Only, $15
Holds 2 1/2 Quarts of Seed

Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers them, hoes and cultivates quickly and easily all through the season.

Planet Jr. No. 25 Combined Hill and Drill Seeder and Wheel Hoe
Price, $22.50
Holds 2 1/2 Quarts of Seed

A splendid combination for the family garden, onion-grower, or large gardener. Is a perfect Seeder, and combined Double and Single-Wheel Hoe. Unbreakable steel frame. Capacity, 2 acres a day.

Planet Jr. 12-Tooth Harrow and Cultivator No. 91
Complete, with Steel Wheel, $15
An invaluable tool in truck and strawberry patches and the market-garden. Leaves ground in finest condition without throwing dirt on plants. Has new steel wheel.

Planet Jr. No. 12 Double and Single-Wheel Hoe
Price, $11.50

A Single and Double-Wheel Hoe in one. Straddles crops till 20 inches high, then works between. The Plows open furrows and cover them. The Cultivator Teeth work deep or shallow. The Hoes are wonderful weed-killers. New 14-in. steel wheels, steel frames, arch, etc. Greatly improved.

No. 17 Planet Jr. Single-Wheel Hoe
Price, $8

The highest type of Single-Wheel Hoe made. Light, but strong, and can be used by man, woman or boy. Will do all the cultivation in your garden in the easiest, quickest, and best way. Indestructible steel frame. New 15-in. steel wheel. Call and let us show you the new models; they will please you.

The Barker Weeder, Mulcher and Cultivator
THREE MACHINES IN ONE

No. 6D, $9.25
No. 8 1/4D, $10.60
No. 10D, $11.75

The only garden implement that kills the weeds and makes a perfect soil mulch at one and the same operation.
HAVE A BETTER LAWN THIS YEAR

Chaapel's American Lawn Grass Seed

Recleaned and Tested Seed, weighing over 20 pounds to the bushel

Our Mixture can be absolutely relied upon as being made up of the finest qualities of Grass Seed obtainable, free from weed seeds, and of the very best and highest germinating qualities. Mixed especially of Grasses that do best in our soils.

We have sold this Mixture of Lawn Grasses for many years, and positively know that it is surpassed by none; it will stand wear and tear, forming a close, firm, green and lasting turf, retaining its velvety appearance to the last. One quart will sow a space 10 by 20 feet—200 square feet. Ask for our leaflet, "A Few Suggestions on Lawn Making." Qt. 30 cts., 2 qts. 55 cts., 4 qts. $1, pk. $1.75, bus. (20 lbs.) $6.

Chaapel's Clover Lawn Grass Seed

The increasing demand for a Lawn Seed containing a larger proportion of White Clover induced us to offer this Mixture, containing a most liberal quantity of best recleaned White Clover—it is especially suited for shaded locations and will thrive better under trying conditions than any other mixture. Sow one quart to 200 square feet (10 x 20 ft.). Pt. 20 cts., qt. 40 cts., 2 qts. 70 cts., 4 qts. $1.30, pk. $2.50, bus. (30 lbs.) $10, 100-lb. lots or over, 30 cts. per lb.

FANCY WHITE CLOVER. Fine for new or old lawns; easy to grow. Adding ¼ pound to 1 quart of our Lawn Grass Seed will make a very desirable mixture. ¼ lb. 20 cts., lb. 75 cts.

Shaded locations are usually sour, mossy, and impoverished. Lime will sweeten the soil; sheep manure, bone meal, and nitrate of soda will make the Grass grow luxuriantly even in shady places.

FEED YOUR LAWN—FERTILIZERS MAKE THE GRASS GROW

Not many people who use our Lawn Seeds know that we do our own mixing from our own formulas, using only selected varieties of Grasses of superior quality. It was while doing this mixing that we wished our customers could see this great pile of Seeds, so our Mr. Bacher "took its picture." We require several piles like this to supply our customers each season.
Suggestions About Ordering

Importance of Ordering Early. Before the rush season begins we can give
be complete. Being sold out of some varieties entails correspondence and delays, so
on receipt of this catalogue make out your order and mail it to us immediately.

MAKING OUT ORDERS. Be sure to use the
order sheet and follow the directions given.

SHALL WE SUBSTITUTE? We do not substitute unless instructed to do so, except in the case of
small quantities where we know the purchaser would prefer to have some other equally good or better
kind, rather than none at all.

Seeds by Parcel Post. We earnestly advise that all light shipments go by
parcel post whenever possible. We will pay postage
on all small seeds in packets, and in bulk up to 1/4 pound, anywhere in the United States.
We can send seeds in any quantity up to 70 pounds. Within the first and second
zones from Williamsport, add to your remittance for postage as follows: 1-pound
orders, 5 cents; for each additional pound, 1 cent; on Peas, Beans, and Corn,
10 cents for the first quart and 2 cents for each additional quart. For rates to other
zones, inquire of your postmaster. The necessary postage must be sent with the order.

Terms. Our prices are based upon cash sales. To avoid delay in filling your order,
please send remittance with the order, including postage for Parcel Post.
and cost of bags when necessary. Any overpay will be returned to you promptly.

HOW TO SEND MONEY. Money is most conveniently and safely sent in the form of a post office
money order, express money order, or check. We always accept personal checks as a convenience to our
customers, if they have money in the bank. Small amounts may be sent in postage stamps; it is not safe
to send silver.

YOU RUN NO RISK in sending cash with order. Our financial responsibility can be learned from
any bank, trust company, or merchant who subscribes to either of the Commercial Agency Reports.

TESTED SEEDS

It is only by painstaking methods that we can be sure of seed
of good germination. To protect our customers against seed of
poor quality, we test our seeds as soon as they arrive from our
growers in the Sho-Gro Seed Germinator illustrated at the right.
Seeds of good germination cannot be determined by their looks
but must pass through a germinating test requiring careful,
expert attention to assure accuracy.

"GUARANTEED SEEDS"

Upon being asked if he would guarantee his seeds to grow, an eminent
seedsman said, "Yes, if I may select the soil, plant them myself, and govern
the weather."

Seeds MUST be right, but it is just as necessary that the soil be suitable
and well prepared, that the planting be done properly and at the right time,
and that the weather be not too unfavorable.

BY TEST WE KNOW THAT THESE SEEDS ARE OF GOOD VITALITY
To you is given to select and prepare the soil and to give the proper care.
Providence alone governs the weather.

WE GUARANTEE OUR SEEDS to be of the very best quality and of strong
vitality, but cannot guarantee results or crops. If customers do not accept goods
on these conditions, the goods can be returned to us within ten days.

CHAPEL'S SEED STORE
CHAAPEL’S ALFALFA SEED

Northwestern-Grown Hardy—99.50% Pure

See description and price on page 34

Chaapel’s seeds are domestic-grown, of the highest quality, purity and germination

View of field producing Medium Red Clover Seed 99.50% pure for Chaapel’s Seed Store