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1892

SEEDS

FOR THE
GARDEN, FARM
& FIELD

ESTABLISHED 1845

DESCRIPTIVE CATALOGUE
No 14.

PLANT SEED
COMPANY.

ST. LOUIS,

812 & 814 N. FOURTH ST.

VEGETABLE
FIELD
FLOWER
SEEDS

If you want to find any Special
Vegetable, Flower, Field or Other
Seeds, etc., please look over the

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of this Catalogue.

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Plant Seed Company Publish the following Catalogues during the Year, which will be mailed free upon application.

Plant Seed Company's Illustrated and Descriptive Catalogue and Price List of Field, Grass, Vegetable, Flower and Tree Seeds, Seed Corn, Seed Grain, Seed Potatoes, Onion Sets, Garden Seed Drills, Cultivators, etc., is published January 1st, every year, and will be mailed free to all applicants.

Plant Seed Company's Descriptive Catalogue, in German, ready January 1st, and mailed free to all applicants.

Plant Seed Company's Wholesale Market Gardeners' Price List, containing special prices of Vegetable Seeds to Market Gardeners and large buyers of Seeds, ready January 1st, and mailed to Market Gardeners upon application.

Plant Seed Company's Price List of Dutch Bulbs, ready in September, and mailed free to all applicants.

PLANT SEED COMPANY,

Successors to PLANT BROTHERS, Established 1845.

Nos. 812 and 814 North Fourth Street.

St. Louis, Mo., Jan. 2, 1892.

TO THE PUBLIC:

In presenting our Annual Catalogue and Price List of selected Vegetable, Field, Farm and Flower Seed, Seed Potatoes, Onion Sets, Garden Tools, etc., for 1892, we beg to say that we greatly appreciate the very liberal support and confidence bestowed upon us.

For this we convey our warmest thanks and the assurance that, in the future as in the past, no pains or expense will be spared on our part to merit continued confidence and hope to receive obliging orders the coming season.

All our seeds have been grown with the greatest care from *Purest* and *Choicest* stocks known. We do not get them in our immediate vicinity, but grow some ourselves, and have others grown in localities in America and in Europe where long experience has demonstrated, that they can be produced to perfection. Most of the crops are cultivated and harvested under our personal supervision at the cost of a great deal of time and expense.

No confidence can be placed in the claim made by some parties, that all the seeds they offer are Northern grown or Eastern grown, or that they grow them on their own farm in one locality. The claim is absurd and misleading. We carefully test the vitality of our seeds before sending them out, and none are sold that we know are of poor or insufficient germination.

OUR WARRANTY.—While we know that all Seeds we sell and send out are only "*The Best*," it must be distinctly understood *that our Seeds are sold without any warranty, expressed or implied, and without any responsibility in respect to the crop. If our Seeds are not accepted on these terms they must be returned at once.*

When it is considered how many are the contingencies pending upon the success of any crop, the justice of the foregoing remarks will be appreciated.

SUGGESTIONS TO PURCHASERS.—READ CAREFULLY.

HOW TO ORDER.—With every Catalogue we always send an Order Sheet and printed envelope. This order blank will be found to be much more convenient than an ordinary sheet of paper, and by using the addressed envelope there will be no danger of your remittances being miscarried.

NAME AND ADDRESS.—We earnestly request our correspondents to be particular and give their NAME, POST-OFFICE ADDRESS, COUNTY AND STATE IN FULL, DISTINCTLY WRITTEN. We are often in receipt of orders from customers who not only forget to sign their names, but also their place of residence, thus causing a delay of weeks in the execution of their orders, and sometimes we find it impossible to trace them up at all.

SHIPPING DIRECTIONS.—We particularly request our patrons to give shipping directions. Where no particular mode of transportation is designated, we shall exercise our best judgment, and forward by express, freight or mail, as may seem to us most advisable.

REMITTANCE.—Parties ordering will please send the money at the time they send us their order; and if the money is sent with the order and received by us, we guarantee the safe arrival of all packages, but we cannot assume any responsibility for delay in transit. Money may be sent at our risk in the following manner: Post Office Order, Draft on St. Louis or New York, or by Express; remittances for small amounts may be made in Postage Stamps. In remitting, purchasers will be particular to send a sufficient amount to cover their orders. When only a part is remitted, goods will be sent only to the amount of remittance.

GOODS C. O. D.—No goods will be sent by us C. O. D., unless one-half the amount accompanies the order.

We respectfully solicit your orders, and thanking our many correspondents for past favors, both for orders received and for speaking so kindly of us to their friends, we await further favors, which shall receive our best care and prompt attention.

We remain, respectfully yours,

812 N. FOURTH STREET.

Plant Seed Company,

ST. LOUIS, MO.

SOME SELECTED STRAINS IN

VEGETABLES.

WARDWELL'S EARLY DWARF KIDNEY WAX BEAN.

This variety introduced four years ago, has more than exceeded the most sanguine expectations, and has given unbounded satisfaction wherever tried. Leading market gardeners are unanimous in saying it is the earliest, hardiest, most productive and salable yellow wax bean they ever grew. Quart, 25c.; peck, \$1.50; bush., 5.50.

PLANT'S EXTRA EARLY PEA.

This variety is entirely distinct and superior to any other Extra Early Pea. It is the earliest, maturing from forty to forty-five days from germination, it is the most productive, the pods are of a dark green color, of a full round shape and of strong texture, which especially fits it for shipping long distances. On average soil it will not exceed twenty inches in height. The pods fill up evenly, and frequently the entire crop can be gathered at one picking, which is very valuable to market gardeners. Per qt., 25c.; peck, \$1.50; bush., 5.00

HORSFORD'S MARKET GARDEN PEA.

A grand wrinkled variety, coming in between Little Gem and Advancer. The vines are two feet high, very regular in growth. It is a prolific bearer and yields abundantly. Pods, medium size, numerous and full with peas of a delicious sweet flavor. Quart, 25c.; peck, \$1.50; bushel, 5.00.

MITCHELL'S PERFECTED EARLIEST DARK RED TURNIP BEET.

The earliest Beet ever produced. It has the color and small top of the well-known Egyptian variety, which admirably fits it for growing under glass. Packet, 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00, postpaid.

NEW GRAND RAPIDS FORCING LETTUCE.

THE BEST CURLED SORT FOR FORCING.

This grand forcing variety has been raised in the vicinity of Grand Rapids for a number of years. It is the result of over ten years' selection from the Black Seeded Simpson, and the result is a lettuce far superior to its parent. It stands more neglect in the way of watering and ventilation, will grow more weight on the same ground and will stand longer after it has matured. It does not grow quite so rapidly as Black Seeded Simpson, but is superior in every other respect. It is of handsome appearance, a strong grower, very crisp and tender and not apt to rot and will keep from wilting longer while exposed for sale than any other sort. Per packet, 5c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid.

GIANT PERA CUCUMBER.

Grows very smooth and straight; free from spines, and retains its clear green color until nearly ripe. The green cucumbers are fit to eat at any stage, the flesh is entirely white, very clear, perfectly crisp, tender and brittle. A mature Giant Pera eighteen to twenty-two inches long will hardly give as much seed

as a small, short green cucumber. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 5c.; 1b., \$1.75; postpaid.

KOLB GEM WATER MELON.

This variety is more largely grown by Southern shippers than any other. The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor. All who have grown it agree in pronouncing it one of the *largest, most productive, best keeping and shipping melons*. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; 1b., 75c., postpaid.

GIANT PASCAL CELERY.

The latest and best variety of Celery. It is a selection from the Golden Self-Blanching, and adds to the general good qualities of its parent, superior keeping qualities. The stocks are very large, thick, solid, crisp and of a rich nutty flavor, free from any trace of bitterness; it blanches very easily and quickly and retains its freshness a long time after being marketed. The heart is golden yellow, very full and attractive in appearance. Pkt., 1c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; 1b., 4.50; postpaid.

JAPANESE PIE PUMPKIN.

This remarkable variety comes from Japan, and makes a valuable addition to our pie and cooking pumpkins. The flesh is *very thick*, nearly solid, the seed cavity being very small in one end of the pumpkin, unusually *fine grained*, *dry and sweet*, having much the same taste and appearance as sweet potatoes. The seeds are peculiarly marked and sculptured in Japanese characters. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb. 35c.; 1b., \$1.00, postpaid.

RADISHES.—P. S. Co.'s Forcing Strains.

For Description, see Page 21.

Early Scarlet Turnip—Per oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.; postpaid.**Early Scarlet Turnip, White Tipped—**Per oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.; postpaid.**Non Plus Ultra—Earliest Scarlet Turnip—**Per oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00; postpaid.**The Gem, Earliest Scarlet Turnip—White Tipped.**Per oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00; postpaid.**Philadelphia White Box—**Per oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00; postpaid.**Early Scarlet Globe—**Per oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.; postpaid.**Wood's Early Frame—**Per oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.; postpaid.**Market Gardener's Early Long Scarlet—**Per oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.; postpaid.**WHITE DELICACY SUMMER RADISH.**

This is a new, very early, semi-long, snow white variety, root quite smooth, crisp and tender. We recommend it to Market Gardeners for a trial. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25; postpaid.

TWO NEW TOMATOES.

(DESCRIPTION AS GIVEN BY THE ORIGINATORS.)

THE NEW STONE TOMATO.

The New Stone Tomato ripens for main crop; is *very large*, and is *bright scarlet* color; *very smooth*, with occasionally a specimen very slightly octagon shaped; *ripening evenly* to the stem without a crack; *exceedingly solid and firm* fleshed (as its name indicates); *is an excellent shipper*; quality the very best; *fine for canning*; a *good keeper*; without hard core; not subject to rot; its appearance on market remarkably attractive; a heavy variety; its vines and foliage rank and robust; heavily loaded with very uniform specimen of fruit. Per pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; postpaid.

NEW EARLY RUBY TOMATO.

A single plant of this new Tomato was first observed in a field of the "Perfection" variety, by its *being loaded with ripe fruit* while all the rest of the crop was yet green. We believe we are safe in saying that it is by far the *earliest* of all the *large-sized* Tomatoes which combine *good form, color, solidity*, and that it is certain to prove the *leading* market variety. The peculiar open habit of the plant is a distinctive feature of this variety, and is the reason why it is earlier than any other variety, the sun having a better chance to reach and ripen the fruit than in more upright and compact varieties. Per pkt., 10c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00; postpaid.

THE EARLIEST POTATO IN CULTIVATION.
EXTRA EARLY WALTON.

Reduced to Two-Thirds Natural Size.

(Originated by VAN ORNAM BROS. & CO., of Iowa, who have brought out some of our best sorts now in the market.)

Price per $\frac{1}{2}$ peck, \$1.00; peck, 1.75; $\frac{1}{4}$ bushel, 3.00; bushel, 5.50.

EARLINESS.

The **Extra Early Walton** grown side by side with such potatoes as Early Rose, Early Beauty of Hebron, Early Thorburn and others has proved itself fully two weeks earlier, while it is a week ahead of Early Ohio, Burpee's Extra Early and Van Ornam's Earliest, and far more productive than either of them.

HABIT OF GROWTH.

Tops medium to large, strong and robust; foliage thick and heavy, and of a deep dark green. Tubers grow very compactly in the hill and near the surface, but entirely underground, so that it does not sun scald; they resemble Early Rose in color; size large to very large, generally smooth and regular in shape, eyes plenty, even with the surface, giving the potato a handsome appearance; oblong-oval in shape; flesh pure white.

COOKING QUALITIES.

It has a rich, nutty flavor, very pleasant and smooth to the taste; cooks perfectly dry and mealy, breaking open like a snow ball, and is of the finest quality.

KEEPING QUALITIES.

In keeping and shipping qualities it cannot be excelled, keeping perfectly firm and sound until time for new potatoes, and retaining its fine table qualities to the last, a quality not often found in extra early potatoes.

TESTIMONIALS.

VAN ORNAM BROS. & CO.

DEAR SIR:—My Field Notes of the **Extra Early Walton** are as follows: A good cropper; size a fair average; shape good, oblong or rather flattish: color white; eye near the surface. Worth trying more extensively another season. These notes show that it is a variety far above the average.

J. J. H. GREGORY, Marblehead, Mass.

VAN ORNAM BROS. & CO.

GENTLEMEN:—The **Extra Early Walton** is without a peer in earliness, productiveness and hardiness. It grows entirely underground. Yield about 400 bushels to acre.

Respectfully, J. B. STEEN, Iowa.

☞ We have other testimonials of the same tenor which bear out the good qualities of this potato. We believe all that are interested in **Early** potatoes should try this new sort.

SEED POTATOES.

writing this, prices for Eating Potatoes are very low, but Choice Seed Potatoes are not so plentiful; we, however, have a fine stock of all the varieties we offer, which were especially grown for us, and we have made prices very reasonable, and will fill orders at prices given as long as our present stock will last. Special prices given in ten barrel lots and over. All orders subject to approval.

Potatoes will be shipped in favorable weather only. We commence shipping potatoes about the first week in March; if you want your potatoes shipped before that time, please state so in your order. We ship them in good condition, carefully packed; and, after receiving a receipt "in good order" for them, our responsibility ceases, and we will not be responsible for damage they may sustain during transit, from either cold or heat.

Our barrels, if sold at prices given here, never contain less than 2½ bushels potatoes each.

ON LATE ORDERS it will save time to state, in case supply of some kinds is exhausted, whether you wish us to return money or substitute other sorts of same value.

Terms: Cash with Order. Prices given include Packing. *Express or Freight charges always to be paid by the purchaser.* The Potato crop last season in most localities was enormous, and while we are

EARLY OHIO.

Now widely known and deservedly one of the most popular sorts. It has the advantage of being fit for use and sale even before fully ripe.

The quality of the Early Ohio is excellent and the yield enormous.

We have a splendid stock, grown, as are nearly all our potatoes, in the extreme North.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

OHIO JUNIOR.

This variety is almost identical with the Early Ohio in the form and marking of the tubers, habit of growth, etc. The tubers are oval oblong, round at the seed end, with full eyes, that are almost even with the surface. It is an excellent keeper, very productive, of fine quality. Our stock is true, but supply limited.

Per peck, 50c.; bush., \$1.50; bbl., 3.50.

CROWN JEWEL.

A self-seedling of the Early Ohio. It is a strikingly beautiful potato. Skin is white and smooth; eyes, shallow but strong; flesh, pure white and floury, cooking evenly throughout. The vines grow vigorously, the roots extend very deeply in the soil, resisting drought, and its keeping qualities are equal to the best. The potato is an immense yielder, and is two to three days earlier than the Early Ohio or Early Rose.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

PEARL OF SAVOY.

Very early and fine flavored. The tubers are oblong, fair, and of large size; flesh, beautiful pearl white, hardy, vigorous habit exempts it from disease. It is very productive, yielding from 300 to 400 bushels per acre under favorable conditions.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

The Charles Downing is an extra early potato, of most excellent quality, pure white in color, with a beautifully netted skin. The average yield was 375 bushels per acre.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

Early Sunrise—This is a very valuable early sort, having produced tubers fit for table use in less than fourteen weeks from planting. Tubers of uniformly good size; shape, oblong; flesh, solid and fine grained, with rosy tint. Cooks dry and mealy, even when first dug.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

New York Early Rose—Standard variety for earliness, quality and productiveness.

Per peck, 35c.; bush., \$1.00; bbl., 2.50.

Early Beauty of Hebron—An early rapid growing variety, earlier than the Early Rose, and excelling it from 25 to 40 per cent. in yield. Too well known to need description.

Per peck, 35c.; bush., \$1.00; bbl., 2.50.

The Snow Flake—The tubers are of a good, medium and uniform size; elongated oval, compressed exceedingly symmetrical and remarkably uniform. In quality, we do not hesitate to say that nothing can surpass this variety; its mealiness, its pure delicate flavor, and the evenness with which it cooks through, have never been eclipsed by any potato. Early and productive.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

SEED SWEET POTATOES.

These should Never be Shipped Except in Boxes or Barrels.

Grown, stored and handled especially for seed purposes. We have a full supply of the following named varieties in planting season:

Early Red Bermuda.	Red Nansemond.
Yellow Nansemond.	Southern Queen, White.

Price List ready March 10th.

Sweet Potatoes and Sweet Potato Plants. On account of the early publication of our Catalogue we cannot make prices. Prices of Seed Sweet Potatoes will be given on application about March 10, and of Sweet Potato Plants about April 15th.

EARLY PURITAN,

Of handsome oblong shape; skin and flesh pure white; cooks dry and floury, of excellent quality, and very productive. The vines are of vigorous, upright growth, and the potatoes mature as early as the Early Rose.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

Badger State—A large, oblong, white potato of excellent market shape and appearance. Late; a strong grower and good yielder; vines very strong, skin firm, making it a first-class shipper.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

Empire State—The best and most productive for main crop. The potatoes are oblong in shape, of large size, smooth and very handsome. It is rich and delicate in flavor, remarkably free from rot, is never hollow, and cooks evenly through without any coarseness. It yields large crops and is easily dug.

Per peck, 40c.; bush., \$1.25; bbl., 3.00.

Burbank's Seedling—This old standard is still quoted high in the market. Well known.

Per peck, 35c.; bush., \$1.00; bbl., 2.50.

White Star—Tubers are oblong, large and handsome; in yield it has proved remarkably prolific; flesh, pure white, very mealy, medium in season. It is a good variety for a general crop.

Per peck, 35c.; bush., \$1.00; bbl., 2.50.

Mammoth Pearl—Handsome in appearance, free from rot and never hollow; skin and flesh very white; oblong to round in shape; tubers large.

Per peck, 35c.; bush., \$1.00; bbl., 2.50.

Peerless—A well known productive variety.

Per peck, 35c.; bush., \$1.00; bbl., 2.50.

FOX'S POTATO BUG EXTERMINATOR.

The Best Machine for Applying Liquid Poison.

PRICE, 5.00.

ADDRESS OF INVENTOR.

I have succeeded at last in perfecting an apparatus for sprinkling the poisoned water on the vines. The great trouble was to throw a fine spray without filling up the small holes in the nozzle. I have overcome this by the use of a fine strainer inside the sprinkling nozzle. The flow continues while the fluid lasts. The spray, being almost as fine as a heavy mist, completely covers the plant.

Full Descriptions and Directions how to use will be sent with every Machine.

HUMPHREY'S CONCAVE POTATO KNIFE.

Price, postpaid, 30c. each; six for \$1.50; twelve for \$2.85.

With the Concave Potato Knife seed potatoes can be cut better, and \$2.00 to \$3.00 an acre saved in seed and time by its use. The blade is very thin, and just the right shape to divide the potatoes into one, two or three eye pieces—very rapidly without cracking the tuber or injuring the vitality of the germs as the punch cutters will do. We sell the Knife on its merits, and will refund the money to any one who is not satisfied. A circular is put up in each box with the Knife.

Vegetable Seeds that may be sown in each month from January to October.

JANUARY—Sow in Hot-bed.—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Early Lettuce, Italian Onions, Radish.

FEBRUARY—Sow in Hot-bed.—Early Beet, Broccoli, Early Cabbage, Forcing Carrot, Celery, Cucumber, Egg Plant, Early Lettuce, Parsley, Pepper, Italian Onions, Radish, Tomato.

MARCH—Sow in Hot-bed.—Early Beet, Early Cabbage, Forcing Carrot, Cauliflower, Celery, Cucumber, Egg Plant, Kohlrabi, Lettuce, Melon, Parsley, Peas, Pepper, Italian Onions, Radish, Tomato, Herbs.

Sow in Open Ground.—Beans, Beets, Cabbage, Cauliflower, Celery, Carrot, Cress, Leek, Lettuce, Onion, Parsnip, Peas, Potatoes, Radish, Spinach, Early Turnip.

APRIL—Sow in Hot-bed.—Cucumber, Egg Plant, Melon, Pepper, Tomato.

Sow in Open Ground.—Asparagus, Beans, Beets, Cabbage, Carrots, Cauliflower, Celery, Sweet Corn, Cucumber, Cress, Endive, Kale, Kohlrabi, Leek, Lettuce, Melons, Onion, Parsley, Parsnip, Peas, Potatoes, Radish, Rhubarb, Salsify, Spinach, Tomato, Early Turnip, Herbs.

MAY—Sow in Open Ground.—Artichoke, Asparagus, Lima Beans, Pole Beans, Bush Beans, Beets, Brussel

Sprouts, Cabbage, Carrot, Cauliflower, Celery, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Leek, Lettuce, Melon, Nasturtium, Okra, Onion, Parsley, Parsnip, Peas, Potatoes, Pumpkin, Radish, Rhubarb, Salsify, Spinach, Squash, Tomato, Turnip, Herbs.

JUNE—Sow in Open Ground.—Bush Beans, Lima Beans, Pole Beans, Beet, Carrot, Cabbage, Sweet Corn, Cress, Cucumber, Endive, Kale, Kohlrabi, Lettuce, Melon, Okra, Peas, Potatoes, Pumpkin, Radish, Salsify, Spinach, Squash, Turnip, Rutabaga.

JULY—Sow in Open Ground.—Bush Beans, Beet, Carrot, Sweet Corn, Corn Salad, Cress, Cucumber, Endive, Gherkin, Kale, Kohlrabi, Lettuce, Okra, Early Peas, Pumpkin, Radish, Spinach, Squash, Turnip, Rutabaga.

AUGUST—Sow in Open Ground.—Bush Beans, Corn Salad, Cucumber, Endive, Lettuce, Early Peas, Radish, Spinach, Turnip.

SEPTEMBER—Sow in Open Ground.—Cabbage for Cold Frames, Cauliflower for Cold Frames, Corn Salad, Cress, Kale, Lettuce, Mustard, Winter Radish, Spinach, Turnip.

OCTOBER—Sow in Open Ground.—Corn Salad, Cress, Kale, Lettuce, Mustard, Spinach.

Preparation and Management of a Hot Bed for Raising Plants.

We feel that we shall be materially aiding these who are their own gardeners, if we give a few simple directions on the subject of a hot bed, composed of stable manure, the most frequent and useful form in which it is to be found.

The preparation of the dung is a matter of great importance, and if the bed be expected to retain its usefulness for any length of time, it should be well worked previous to being used. If obtained fresh from the stable yard, and found to be too dry, it should be well watered and thrown lightly together to ferment; this will take place in the course of a few days, and three or four days afterwards it should be completely turned, well shaken and mixed, keeping the more littery portion to the interior of the heap; a second turning and watering may be necessary, although one will be generally found to be sufficient; when thus cleaned of its rankness the bed may be made.

The situation for this should be dry underneath, sheltered from the north as much as possible, and fully exposed to the sun; it should be built up from two feet six inches to four feet high, and wider by six inches every way than the frame to be placed upon it. The dung should be well

shaken and mixed while being put together, and firmly pressed by the feet. The frame should be kept close until the heat rises, and three or four inches of sifted sand or ashes should be placed upon the surface of the bed; in a few days it will be ready for use; but air should be given night and day while there is any danger from rank steam, and if the sand or ashes are drawn away from the side of the bed they should be replaced.

When the hot bed is used for seeds only, nothing further is necessary; they are to be sown in pots or pans, placed or plunged in the bed, the heat of which will soon cause them to germinate. As this will, after some time, decline, what are called linings should be added, that is, fresh, hot fermenting (but not rank) dung, applied about a foot in width all around the bed; this renews its strength, and will greatly aid its successful management.

A Cold Frame is formed by placing the ordinary hot bed frame upon a bed of light, rich soil, in some place in the garden where it will be protected from cold winds. They should both be shaded from the sun by mats during the middle of the day.

LIBERAL DISCOUNTS ON VEGETABLE SEEDS IN PACKETS.

To induce our patrons to form Clubs to purchase SEEDS in quantity, we offer the following LIBERAL DISCOUNTS on Vegetable Seeds in Packets:

Purchaser remitting \$1.00 may select Vegetable Seeds in Packets amounting to \$1.25							
"	"	2.00	"	"	"	"	2.50
"	"	3.00	"	"	"	"	3.75
"	"	4.00	"	"	"	"	5.00
"	"	5.00	"	"	"	"	6.25

We wish it distinctly understood that the discount allowed is for Vegetable Seeds in Papers only, and not for Collections of Seeds or Seeds by weight or measure.

P. S. CO.'S

VEGETABLE SEEDS

WITH
Direction for Cultivation.

PRICES

Our prices of Vegetable Seeds given here include Postage or Free Delivery, except of **Beans, Corn and Peas**; for cost of mailing those see remarks under their respective headings. If any of our customers desire to pay Express or Freight charges on Vegetable Seeds themselves, they are allowed when remitting to deduct at the rate of 10 cents per pound from prices given. **Terms, Cash with Order.**

ARTICHOKE.

Fr., *Artichaut*. Ger., *Artichoke*. Span., *Alcachofa*.

Drop the seeds early in spring, and transplant in the following spring to hills four feet apart, setting from one to three plants in a hill. The soil should be deep and rich.
Large Green Globe—The largest and best. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

ARTICHOKE ROOTS—For Planting.

See Field Seeds.

BROCCOLI.

Fr., *Brocoli*. Ger., *Spargelkohl*. Span., *Broculi*.

Sow early in spring, and transplant and cultivate the same as cabbage. The Broccoli is similar to the Cauliflower. They will produce heads in October and November.

White Cape—Early, with large, close head. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

Large Purple Cape—A good, early variety. Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

BRUSSELS SPROUTS.

Fr., *Chou de Bruxelles*. Ger., *Sprossen Kohl*.

Span., *Berza de Brusels*.

Sow early in spring, transplant and cultivate as cabbage. It grows about two feet high, bearing numerous small heads, which are in perfection for boiling in autumn.

Improved Roseberry—Very fine. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

ASPARAGUS—Seeds.

Fr., *Asperge*. Ger., *Spargel*. Span., *Esparragos*.

Sow in the fall or early in the spring, thinly in shallow drills, twelve to eighteen inches apart, covering seed about one inch deep. Hoe often, and keep free from weeds.

One ounce to fifty feet drill.

Palmetto—An improvement on Conover's, in that it yields a much heavier crop, fully as large and of much more even and regular size. It is fit for use nearly a week before the Conover's. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Conover's Colossal—The standard variety; very productive and of good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

ASPARAGUS—Roots.

A printed Essay, "How to Plant and Cultivate an Asparagus Bed," sent free with every order for Roots.

Conover's Colossal—Two-year-old roots. Per 100, \$1.00; 1,000, 8.00.

Palmetto—Two year old Roots, per 100, \$1.25; 1,000, \$10.00. Express charges always to be paid by the purchaser. If by mail, add at the rate of \$1.00 per hundred to prepay postage.

Express or Freight Charges on Beans, always to be paid by the purchaser. We sell $\frac{1}{2}$ peck at peck and $\frac{1}{2}$ bushel at bushel rates. If to be sent by mail, 15 cents per quart must be added to prepay postage.

BEANS, DWARF OR BUSH

French, *Haricots*
Nains. German,
Busch Bohnen.
Spanish, *Frijor-*

enano. 1 quart to 100 feet drill; 2 bushels to the acre in drills. Drop the Beans two or three inches apart, in rows standing eighteen inches to two feet apart. Hoe often, never when the vines are wet, or they will rust, drawing the earth slightly towards them. They require but six to eight weeks to make green pods and can be sown as late as August.

Price per Packet 7 cts., including Postage.

DWARF, GREEN PODDED SORTS.

Early Brown Mohawk—Early and hardy, large flat pods. Quart, 20c.; peck, \$1.25; bush., 4.50.

Early Long Yellow Six Weeks—Early, Beans, yellow, kidney shaped, pods large, flat, green. Quart, 20c.; peck, \$1.25; bush., 4.50.

Early Round Yellow Six Weeks—Beans, round, yellow; pods, green. Quart, 20c.; peck, \$1.25; bush., 4.50.

Improved Early Round Pod Red Speckled Valentine—A select strain of the popular Early Red Valentine. Ripening very uniformly, and producing enormously. Pods very tender and succulent. Quart, 25c.; peck, \$1.25; bush., 5.00.

Best of All—Very early, dwarf compact growing, with round, green, glossy pods; very popular in the South. Quart, 25c.; peck, \$1.25; bush., 4.50.

White Seeded Valentine—Early and prolific, the Bean being white, can be used as a Shell Bean. Quart, 25c.; peck, \$1.25; bush., 4.50.

Refugee, or Thousand to One—Hardy, yields abundantly. Quart, 20c.; peck, \$1.25; bush., 4.50.

DWARF WAX PODDED SORTS.

Wardwell's Kidney Wax—Extra early, hardy and productive. Pods, long, broad, flat and of a delicate, waxy yellow, entirely stringless and remarkably free from rust. Quart 25c.; peck, \$1.50; bush., 5.50.

Dwarf Golden Wax (Stringless)—An early stringless Bean; pod of golden wax color and excellent quality. Quart, 25c.; peck, \$1.50; bush., 5.50.

Dwarf Prolific German Black Wax (Stringless)—An improved strain of the old German Black Wax Bean. Pod, perfectly round, straight, long and an even rich color. Quart, 25c.; peck, \$1.50; bush., 5.50.

Dwarf Crystal White Wax (Stringless)—This is an early white seeded Wax Bean, very succulent and of high flavor. Quart, 25c.; peck, \$1.50; bush., 5.50.

Dwarf Red Flageolet Wax—Pods, very large, sometimes 10 to 12 inches in length, entirely stringless, very fleshy, exceedingly tender and succulent. Quart, 30c.; peck, \$1.75; bush., 6.50.

Yosemite Mammoth Wax—The largest pods of all the Wax sorts, often attaining a length of twelve to fourteen inches, thick, very fleshy, succulent, of a rich golden color, absolutely stringless, cooking tender and delicious; very productive. Packet, 10c.; pint, 35c.; quart, 60c.

Dwarf Golden Eyed Wax—Very early and a vigorous grower, yielding a great profusion of tender, large, flat, fleshy pods of a beautiful golden waxy appearance. Hardy and singularly free from blight and rust. Very valuable. Quart, 25c.; peck, \$1.50; bush., 5.50.

ENGLISH BEANS.

Drop early in spring, three inches apart, in drills two or three feet apart.

Early Long Pod—Good and productive. Quart, 25c.; peck, \$1.50; bush., 5.50.

Broad Windsor—Largest and best. Quart, 25c.; peck, \$1.50; bush., 5.50.

DWARF WHITE SHELL BEANS.

For Field Culture.

The following sorts are planted as field Beans and they are not sold in Packets. It takes one and one-half to two bushels to plant an acre.

Royal Dwarf White Kidney—Pods medium sized, variable in shape, dark green, coarse; beans large, kidney-shaped, slightly fattened, can be used green or dry. Quart, 20c.; peck, \$1.25; bush., 4.00.

Dwarf White Navy Beans—A standard sort for field culture. Seed white, nearly round. Very productive. Quart, 15c.; peck, \$1.00; bush., 3.00.

Boston Small Pea or Soup Bean—Very early, hardy and prolific. The ripened seed is white, small, round and handsome. The vine is a rank grower, with profuse foliage, and the pods grow mainly in clusters of four. Quart, 15c.; peck, \$1.00; bush., 3.50.

Prolific Tree Beans—Growing about twenty inches in height, branching out in all directions, bearing its pods so high that they do not touch the ground. They resemble the common Navy Beans, more rounded at the ends and very white, cooking in less time. Quart, 20c.; peck, \$1.25; bush., 4.00.

Express or Freight Charges on Beans always to be paid by the purchaser. We sell $\frac{1}{2}$ peck at peck and $\frac{1}{2}$ bushel at bushel rates. If to be sent by Mail, 15 cents per quart must be added to prepay postage.

NEW BUSH LIMA BEAN.

Packet, 10 cts.; Pint, 35 cts.; Quart, 50 cts.

This excellent bean has proven a grand success, and should be planted in every garden.

The True Bush Lima grows without the aid of stakes or poles, in compact bush form, from fifteen to eighteen inches high, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush beans. **The Bush Lima** is at least *two weeks earlier* than any of the climbing Limas, and produces a continuous crop from the time it comes into bearing until frost. A very small patch will keep a family supplied with this splendid vegetable throughout the season. The beans are of the size of the Sieva or Small Lima.

BEANS.--Pole or Running.

Fr., *Haricots a Rames*. Ger., *Stangenbohnen*. Span., *Judias*.

1 quart to 100 to 150 hills.

Less hardy than the Dwarfs, and are not usually planted so early. Plant in hills 3 feet apart, with a stake or pole to run up on.

Packet, 7 cts., postage included.

Early Dutch Case Knife Pole—Beans kidney-shaped, white, very prolific, with broad, long pods. Quart, 25c.; peck, \$1.50; bush., 5.50.

Horticultural Cranberry Pole—Beans, round, oval, speckled; a popular variety; equally serviceable in the green state or when shelled. Quart, 25c.; peck, \$1.50; bush., 5.50.

Scarlet Runner Pole—Very productive as a table variety, and also used for ornamental purposes, producing dazzling, scarlet flowers. Quart, 30c.; peck, \$1.75; bush., 6.50.

Southern Prolific Pole—Habit vigorous, prolific, bearing till frost; pods borne in clusters; succulent, delicious. Quart, 30c.; peck, \$1.75; bush., 6.50.

White Cornfield Pole—A well-known, popular variety, particularly in the West; Beans white, pods round and succulent; very productive. Quart, 30c.; peck, \$1.75; bush., 6.50.

Lazy Wives Pole Bean—Great favorite. The pods grow from four to six inches long, entirely stringless, and of a rich, buttery flavor when cooked. The pods remain green and retain their tender, rich, stringless flavor until nearly ripe. The Beans are white, and are unsurpassed as shell Beans for winter use. Quart, 50c.; peck, \$3.00; bush., 10.00.

Early Golden Cluster Wax Pole—The Early Golden Cluster begins to bear early in July, and continues until frost. Pods are six to eight inches long, borne in clusters of three to six and are of a beautiful golden yellow color, and the flavor is most delicious. It can be used either shelled or as a string bean. Quart, 50c.; peck, \$3.00; bush., 10.00.

German Black Wax Pole—Early; pods golden yellow; very succulent. Quart, 35c.; peck, \$2.00; bush., 7.00.

Giant Red Wax Pole—Pods long, thick and fleshy, of a pale, yellow color and waxy appearance. Quart, 50c.; peck, \$3.00; bush., 10.00.

Pole Lima.

Set the poles, if possible, before planting. They should not be put into the ground before May, or not until the ground is dry and warm, for if planted too early, the seed is apt to rot, and unless the eye is placed downward it may not come up at all. They are very tender and cannot bear the slightest frost.

Packet 7 cts., postage included.

Jersey Extra Early Lima—This variety is from 8 to 10 days earlier than any other Pole Lima Bean. The Vines are vigorous in growth, bearing profusely large broad pods in clusters of four. The Beans are nearly as large and fully as good as the Large Lima. Quart, 40c.; peck, \$2.75.

Large White Lima or Butter—Most universally grown both for market and private use. Quart, 35c.; peck, \$2.25; bush., 8.00.

Small Lima or Sieva—Early and hardy. Quart, 30c.; peck, \$2.00; bush., 7.00.

Dreer's Improved Lima—Very productive and of excellent quality; when green they are nearly as large as the Large Lima, thicker, sweeter, and more tender and nutritious, remaining green in the pod for a long time after maturing. Quart, 35c.; peck, \$2.25.

King of the Garden Lima—They are vigorous growers, setting their beans early at bottom of pole, producing continuously to the end of the season. They are very prolific, bearing their pods five to seven inches long, in clusters of four and five, with five to six beans in a pod. Quart, 40c.; peck, \$2.75.

Express or Freight charges on Peas always to be paid by the purchaser. We sell $\frac{1}{2}$ peck at peck and $\frac{1}{2}$ bushel at bushel rates. If to be sent by mail, 15 cents per quart must be added to prepay postage.

GARDEN PEAS.

worked, in a warm, dry situation, and covered about three inches. The ground must be manured the year previous, or the peas will be apt to grow too much to straw. The height to which all peas grow depends in great measure upon the richness of the soil and the wetness of the season. They are usually planted in double rows from three to four feet apart, and those requiring it, bushed, when about six inches high. They should be kept clean, and earthed up twice in their growth. In dry weather the peas should be soaked five or six hours before planting, and if the ground is very dry, they should be watered in the drills.

Price per Packet, including Postage, 7 cts. each.

EXTRA EARLY PEAS, MEDIUM HEIGHT.

Alaska, True—One of the earliest peas known; 90 per cent. of the pods can be gathered at the first picking. The dark green color of the pods makes it extremely desirable. Two feet high. Quart, 25c.; peck, \$1.50; bush., 5.00.

Rural New Yorker—Very robust and branching habit. It is one of the earliest, most hardy, most productive, and ripens uniformly. The pods are very large and contain from six to nine peas. Height of vine, 2 feet. Quart, 25c.; peck, \$1.50; bush., 5.00.

Laxton's Alpha—(Wrinkled)—A blue wrinkled marrow; very early, produces pods from the bottom to the top of the haulm well filled with peas, which are of the finest flavor; two feet high. Quart, 25c.; peck, \$1.50; bush., 5.00.

Improved Dan O'Rourke—A very popular market variety; pods well filled; two feet high. Quart, 20c.; peck, \$1.25; bush., 4.50.

Fr., *Pois. Ger., Erbse. Span., Guizante.* 1 quart to 80 feet drill; $1\frac{1}{2}$ to 2 bushels to the acre. The planting of an early crop of Garden Peas should be made in the spring, as soon as the ground can be

Plant's Extra Early—Illustration see last page of cover—bearing our name—is the most profitable Pea for market gardeners and truckers to grow; it is entirely distinct and superior to any other Extra Early Pea. It is the *earliest*, maturing from forty to forty-five days from germination, it is the *most productive*, the pods are of a dark green color, of a full round shape and of strong texture, which especially fits it for shipping long distances. On average soil it will not exceed twenty inches in height. The pods fill up evenly, and frequently the entire crop can be gathered at one picking, which is very valuable to the market gardener. While hundreds of market gardeners have pronounced this pea **unequalled in earliness, yield and regularity of growth**, and in every sense a perfect trucker's pea, yet at the same time we know of no other variety more popular or better adapted to private gardens. Quart, 25c.; peck, \$1.50; bush., 5.00.

Carter's First Crop—One of the earliest in cultivation, very productive, good flavor, two feet high. Quart, 25c.; peck, \$1.25; bush., 4.50.

EDIBLE PODDED, OR SUGAR PEAS.

Very Dwarf Sugar, New—This variety is unusually dwarf, being very similar in habit to the well-known American Wonder Pea. The pods are of unusual size for such a small growing sort, and are of exquisite, melting quality. Of recent years the demand has increased very much for Sugar Peas and we have no doubt that this little variety will be welcome, as it has a great advantage from the fact that it does not require brushing or stalking as other Sugar Peas do. Pkt., 15c.; pint, 45c.; quart, 75c.

Dwarf White Sugar—Tender and well flavored; two feet high. Quart, 45c.; peck, \$2.50.

Dwarf Gray Sugar—The most desirable of all edible peas; very early and prolific; pods broad, flat and crooked, and contains five or six peas; one foot high. Quart, 35c.; peck, \$2.00; bush., 7.00.

Tall Gray Sugar—Similar to the preceding, but five feet high. Quart, 35c.; peck, \$2.00; bush., \$7.00.

Express or Freight Charges on Peas always to be paid by the purchaser. We sell $\frac{1}{2}$ peck at peck and $\frac{1}{2}$ bushel at bushel rates. If to be sent by mail, 15 cents per quart must be added to prepay postage.

Price per Packet, 7 cts., postage included.

DWARF EXTRA EARLY PEAS.

(No Sticks Required.)

American Wonder—(Wrinkled)—This variety stands unrivaled in point of productiveness, flavor and quality, and is without exception, the Earliest Wrinkled Pea in cultivation. It is of dwarf and robust habit, growing from ten to twelve inches high, and produces a profusion of good sized and well filled pods of the finest flavor. Quart, 25c.; peck, \$1.50; bush., 5.50.

Plant's Earliest Dwarf or Tom Thumb—Very early and prolific, and very dwarf, growing only ten to twelve inches high. Quart, 25c.; peck, \$1.50; bush., 5.50.

Little Gem (Wrinkled)—A dwarf, prolific, green, wrinkled marrow; habit similar to the Tom Thumb; it has all the sugary flavor of the late Wrinkled Peas, besides being early; height one foot. Quart, 25c.; peck, \$1.50; bush., 5.50.

Carter's Premium Gem (Wrinkled)—A valuable extra early, dwarf Wrinkled Pea, robust in growth, with long pods; height one foot. Quart, 25c.; peck, \$1.50; bush., 5.50.

SECOND EARLY AND LATE PEAS.

P. S. Co.'s Second Early—This variety ripens about two weeks later than our Plant's Extra Early, just in time when peas are scarce and command a good price. It is a wrinkled variety; the vines are uniformly two feet high, and very even and regular in growth. It is a prolific bearer, and yields more per acre than any other variety. The pods, although of medium size, are numerous, and are literally packed with peas of a delicious sweet flavor. Quart, 25c.; peck, \$1.50; bush., 5.00.

Stratagem (Wrinkled)—One of the finest second early peas grown. The strong, sturdy haulm is literally covered with immense pods. Many of the pods measure nearly $5\frac{1}{2}$ inches in length, and contain as high as ten large, fine flavored, wrinkled peas of excellent quality, very sweet; two feet high. Quart, 30c.; peck, \$1.75; bush., 6.50.

Pride of the Market—Very productive; the pods are well filled with large and fine flavored peas; its robust constitution, enormous productiveness and superior appearance has made it a favorite of the public; two feet high. Quart, 30c.; peck, \$1.75; bush., 6.50.

Advancer (Wrinkled)—A green wrinkled marrow, of fine flavor; long pods, well filled; very prolific; two and one-half feet high. Quart, 25c.; peck, \$1.50; bush., 5.00.

Bliss' Ever-Bearing—The great value of this variety is found in its long continued bearing; pods three to four inches long, well filled. Peas very large, half an inch or over in diameter; unsurpassed in sweetness and flavor. Two feet high. Quart, 25c.; peck, \$1.50; bush., 5.00.

Horsford's Market Garden—A grand wrinkled variety, coming in between Little Gem and Advancer. The vines are two feet high, very regular in growth. It is a prolific bearer, and yields abundantly. Pods, medium size, numerous and full with peas of a delicious sweet flavor. Quart, 25c.; peck, \$1.50; bush., 5.00.

Bliss' Abundance—The chief characteristic of this pea is its remarkably strong, vigorous, branching habit and unusual productiveness, often sending out three or more branches; pods of fair size, well filled with peas of fine quality. For those wishing a pea of unusual productiveness and of good quality, they are in every way desirable. Twenty inches high. Quart, 20c.; peck, \$1.25; bush., 4.50.

Champion of England (Wrinkled)—One of the richest and best flavored peas grown; large, long pods; four to five feet high. Quart, 20c.; peck, \$1.25; bush., 4.00.

Early Frame or May—Pods round, hardy, prolific; two feet high. Quart 20c.; peck, \$1.25; bush., 4.00.

Blue Peter—A dwarf variety, dark green foliage, and of an exquisite flavor, with large, well filled pods; one foot high. Quart, 20c.; peck, \$1.25; bush., 4.50.

Large White Marrowfat—A favorite market sort; large, broad pods; well filled; five feet high. Quart, 15c.; peck, \$1.00; bush., \$3.00.

Black-Eyed Marrowfat—A well-known variety; large pods, well filled; hardy and productive; four feet high. Quart, 15c.; peck, \$1.00; bush., 3.00.

Field Peas—See Farm Seeds.

Express or Freight charges on Corn always to be paid by the purchaser. We sell $\frac{1}{2}$ peck at peck and $\frac{1}{2}$ bushel at bushel rates. If to be sent by Mail, 12 cents per quart must be added to prepay postage.

GARDEN CORN.

the hill. Plant at intervals of ten days from early spring to midsummer, which will insure a constant supply of Green Corn throughout the season.

Price per Packet 7 cts., postage included.

Gold Coin Evergreen Sweet—This variety is remarkably distinct and handsome in appearance. Its enormous productiveness is enough to place it in advance of any sort now grown; almost always yielding two, and frequently three, mammoth ears to the stalk. Quart, 20c.; peck, \$1.00; bush., 3.50.

Mammoth Sweet—A large, late variety; cob white, well filled and rich flavored. Quart, 15c.; peck, \$1.00; bush., 3.50.

SWEET CORN.

For Fodder—Nothing is better than a small patch of this corn sown broadcast. Owners of cattle acknowledge this to be the cheapest and best crop that can be grown for feeding the stock in the green state during the summer months, helping out the shortness of summer feed and keeping up a supply of milk. It is so very sweet and nutritious that cattle will eat every part of the stalk and leaves. Peck, 50c.; bush., \$1.50.

VARIETIES GIVEN BELOW ARE BEST FOR ROASTING EARS.

Extra Early Adams—The hardiest and earliest variety for table use, but not a sweet corn, white grain and short ear; stalks, three to four feet high. Quarts, 20c.; peck, \$1.25; bush., 4.00.

Adams Early White—An early market variety; ears good size, but rather short. Quart, 15c.; peck, \$1.00; bush., 3.50.

Early Bonanza Sweet—An extra early variety, with very large ears, white kernels; its table qualities are unequalled in rich, sugary flavor; white cob. Quart, 20c.; peck, \$1.00; bush., 3.50.

Early Cory Sweet—This is an improved Early Marblehead Sweet; it has a much larger ear than that variety, holding its size to the tip. It is also eight days earlier, and produces more marketable ears; very dwarf growth, setting its ears low down; kernel white, tinged with red. Quart, 20c.; peck, \$1.00; bush., 3.50.

Early Minnesota Sweet—An extra early variety; very productive and of excellent quality. Quart, 20c.; peck, \$1.00; bush., 3.50.

Crosby's Early Sweet—Early and a great favorite in the markets; rather small ears, but productive and of excellent quality. Quart, 20c.; peck, \$1.00; bush., 3.50.

Perry's Hybrid Sweet—This is a very early, twelve rowed variety, growing only four to five feet high, with ears as long as the Crosby, and set very low on the stalk; red cob, kernels white, large, sweet and very tender. Quart, 20c.; peck, \$1.00; bush., 3.50.

Hickox Improved Sweet—Of medium earliness, and is valuable alike in the market or family garden, or for canning, for which latter use large areas of it are grown. The ears are twelve-rowed; quality of the very best. Quart, 20c.; peck, \$1.00; bush., 3.50.

Egyptian Sweet—Late tall growing, of delicious flavor; very prolific. Quart, 15c.; peck, \$1.00; bush., 3.50.

Stowell's Evergreen Sweet—Hardy and productive; very tender and sugary, remaining a long time in a condition suitable for boiling. Quart, 15c.; peck, \$1.00; bush., 3.00.

POP CORN.

If wanted to be sent by mail, add 10 cents per pound to prepay postage.

Monarch White Rice Pop Corn—A superior quality of Pop Corn, very easily popped and very sweet, tender and white after being popped. It is very productive. Per lb., 15c.; 10 lbs., \$1.00.

Silver Lace Pop Corn—Or Pearl—This is an exceedingly handsome variety of smooth, white pop corn. It is a fine popper, and produces very heavily. Per lb., 15c.; 10 lbs., \$1.00.

Snow Ball Pop Corn—This fine large eared variety is a cross between White Rice and Pearl pop corn, and is a very meritorious variety. Per lb., 15c.; 10 lbs., \$1.00.

Queen's Golden Pop—This variety, the ears of which are from six to eight inches in length, is the largest and most productive of this class of corn. Kernels large, rich yellow color. Per lb., 15c.; 10 lbs., \$1.00.

Our Prices of Vegetable Seeds given here include Postage; if any of our Customers desire to pay Express or Freight charges upon arrival they are allowed to deduct at the rate of 10 cents per pound from prices given.

BEET.

French, *Betterave*. German, *Rothe Ruebe*. Spanish, *Betteraga*. 1 oz. to 50 feet drill. 4 to 5 pounds to the acre in drills. Beets require a deep, rich and mellow soil, and may be sown from early spring to commencement of summer. Drop about one inch deep, in drills twelve to eighteen inches apart. Thin to six and twelve inches., and hoe often until the tops cover the ground.

Price per Packet, 5 cents each.

Eclipse—An early variety, globe shaped, smooth, with firm, small top; very sweet; flesh fine, and dark blood color; very desirable for market gardeners. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

Egyptian Dark Red Turnip—The well-known favorite; extra early, and of a deep crimson color. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

Mitchell's Perfected Earliest Dark Red Turnip Beet—The earliest Beet ever produced. It has the color and small top of the well-known Egyptian variety, which admirably fits it for growing under glass. We recommend it to all who wish to plant the earliest and best Dark Red Short Top Turnip Beet, either under glass or in the open ground, for private use or market purposes. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

P. S. Co.'s Improved Early Blood Turnip—A selected type of the Early Blood Turnip, remarkable for perfect symmetry of shape, freedom from side or fibrous roots, and fine quality. It grows uniformly to a good, large size, flesh deepest blood red, fine grained, very sweet and tender. Valuable for table use, early, and also unsurpassed to keep over winter. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Early Blood Turnip—The old standard sort; tender and sweet; keeps well. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Dewey's Blood Red Turnip—Grows to a large size. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Flat Bassano—Tender, sweet and juicy. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Early Yellow Turnip—Flesh yellow and tender. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Long Smooth Blood Red—Tender and sweet, excellent for winter use. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Swiss Chard or Sea-Kale Beet—Cultivated for its leaves. The mid-rib is stewed and served as Asparagus. The other portion of the leaf being used as Spinach. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MANGEL WURTZEL AND SUGAR BEET.

Betterave Champetre. 4 to 5 lbs. are required for an acre. As all Mangels require a deep soil in order to grow well, plow and subsoil at least a foot to eighteen inches, and apply plenty of rich stable manure or P. S. Co.'s Universal Fertilizer at the rate of 600 to 800 pounds to the acre. Sow in April to June, in rows eighteen inches to two feet apart, and thin to eight inches in the rows. Young plants may be transplanted to fill up vacancies. As soon as frost occurs dig the crop.

Special Prices Given on Large Quantities.

Norbiton Giant or Red Mammoth Mangel Wurtzel—Enormous size and very productive. Oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 50c.

Red Globe Mangel Wurtzel—A large, globe-shaped variety; red, keeps well. Oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Long Yellow Mangel Wurtzel—Differing from the Long Red in color only. Oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Yellow Globe Mangel Wurtzel—Similar to the Red Globe, except in color; keeps well. Oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Golden Yellow Mammoth—This variety resembles the Red Mammoth, except in color; the flesh, leaf stalks and mid rib of the leaves are golden yellow. It is a heavy cropper, the root grows about half above ground, and, like that of other yellow-fleshed varieties, is very rich in saccharine matter. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

White Sugar Beet—Grown extensively for feeding stock; also for the extraction of sugar. Oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

Vilmorin's Improved Sugar Beet—A greatly improved variety of the preceding, very valuable as a sugar producing Beet. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

For Field Culture.
German, *Runkel-
ruebe*. French,

LEADING CABBAGES.

Early Jersey Wakefield.

Improved Brunswick.

Henderson's Early Summer.

All Season.

P. S. Co.'s Superior Premium, Late Flat Dutch.

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1886

CABBAGE.

planted early in the spring. It is customary also, for the early crop, to sow in hot beds during January and February, and in cold frames under glass in March, and for later crops, in the open ground through the month of May. For early crop of the late Cabbages, seed may be sown in the open ground, as early as the middle of April, and earlier in hot beds. For the fall and winter crop of late Cabbages, the seed should be sown in the month of June—indeed, almost to the end of the month will do. To produce fine Cabbages, the soil must be deep, rich and highly manured. The early varieties may be transplanted in rows, eighteen or twenty inches apart, and twelve to fifteen inches distance in the row. The late varieties should be set twenty or more inches apart, in rows two feet or more apart.

Price per Packet, Postpaid, 5 cts. each.

Early Jersey Wakefield—True American—The most popular and most valuable variety with market gardeners for early use, and is justly considered the best early Cabbage in cultivation, and sure to head. The heads are large sized, pyramidal in shape, having a blunted or round peak with small outside foliage. Select quality. Oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., 3.00.

Earliest of All—This variety gives great satisfaction. Very early and of fine quality, great beauty and vigor of growth. Slightly conical, very large, but not very solid. Oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., 3.00.

Henderson's Early Summer—The earliest large heading Cabbage; growth compact, so that it may be set as close as the smaller sorts. Heads large, flat or slightly rounded, handsome, and they keep longer without bursting than most of the early sorts. Valuable for both family and market. Select quality. Oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., 3.00.

All Season—True—A Sure Header—This excellent strain of early Drumhead Cabbage is as early and good as the Early Summer, and growing a third to half as large again. As the name indicates, it can be planted at all seasons, and makes both a splendid early and late variety. It forms a fine, large, hard head of superior quality, not bursting after heading. The heads are of great thickness, which makes it a capital sort to keep through the winter. Oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., 3.00.

Improved Brunswick Shortstemmed—Fottlers—The earliest and very best Drumhead yet offered; heads large, tender, solid and highly flavored. Very popular with St. Louis market gardeners. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Early Dwarf Flat Dutch—An excellent variety for summer use; flat compact, solid heads, of fine flavor. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Early Large French Oxheart—Heads close and firm; fine flavor and good quality; well known. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Winningstadt—An Old German variety; heads large, conical shaped, very tender and of good quality. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Drumhead, or Johnsdays Drumhead—Heads round, flat; one of the latest among the early sorts. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Large York—The old well known sort. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Fr., *Chou Pomme*. Ger., *Kopf-Kohl oder Kraut*. Span., *Berza de Repollo*. 1 oz. will produce about 2,000 plants. The early varieties, where the winters are mild, are frequently sown in seed beds in the autumn, protected during the winter and trans-

Plant Seed Company's Superior Premium Late Flat Dutch—This is a superior strain of the Premium Late Flat Dutch Cabbage. The Seed we offer has been grown from heads uniform in size, large and solid. It is a sure header, and those who buy it will find it to be one of the most satisfactory strains of the late Cabbage they have ever used. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

Premium Late Flat Dutch—The standard winter variety, low growth, heads large, bluish green, round, solid, broad and flat on top, and often tinted with red and brown; an excellent keeper. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Large Late American Drumhead—Excellent winter variety, with a broad, flat or round head, very compact and solid short stump, tender and good flavored, an excellent keeper. We recommend this variety to market gardeners and growers for shipping purposes. Select quality. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Filderkraut, or Pommeranian—Similar to, but larger, much more pointed, and heading up with fewer outside leaves than the Winningstadt, and highly esteemed for making kraut. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Marblehead Mammoth Drumhead—The largest variety in cultivation, heads growing to an enormous size, being compact and hard. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Stone-Mason Drumhead—A good fall and winter variety. Heads flat and solid. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Collards—A species of Cabbage, very popular in our Southern States. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

RED CABBAGES.

Early Blood or Dark Red Erfurt—Early, heads round and solid, fine color and excellent quality. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Red Dutch for Pickling—Medium size, very hard oblong heads; first quality. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

CABBAGE—Savoy.

Ger., *Wirsing*.—*Savoyerkoh*l.

Early Dwarf Ulm Savoy—A very early variety, with small, round solid heads. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Green Globe Savoy—Early, very tender and sweet. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

American Late Drumhead Savoy—Head large, round, compact; excellent for winter use. Select quality. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Red Dutch for Pickling.

Collards.

Savoy Cabbage.

CAULIFLOWER.

French, *Choufleur*. German, *Blumenkohl*. Spanish, *Coliflor*. 1 oz. will produce about 2,000 plants. The Cauliflower is esteemed as one of the most delicious vegetables. It requires the same treat-

ment and culture as the Cabbage, and with good seed of a pure strain, it is as easily grown. Sow the seed in a cold frame early in spring, or in a sheltered and well prepared seed bed, in the open ground, in a warm, sunny exposure; keep the plants sufficiently well thinned out to secure a vigorous and stocky growth, and when of the usual size of Cabbage plants, transplant them about two feet apart, in good, well-enriched soil, bearing in mind not to use ground where any of the Cabbage tribe grew the previous year. The best fertilizer is thoroughly rotted stable manure and bone dust.

Erfurt Earliest Dwarf Extra Selected—The best for forcing and open ground; the earliest and finest of all varieties. Scarcely a plant fails to produce a good head. It is of dwarf habit, compact growth, short outside leaves, and can be planted twenty inches apart each way. The best for early market and family use, and can be entirely relied upon, as the seed was grown with extra care by one of the most careful growers in Erfurt. A very shy Seeder on account of its compact solid heads. Packet, 40c.; oz., \$6.00; $\frac{1}{4}$ lb., 22.00.

Erfurt Early Dwarf Small-leaved—A favorite early market variety, for forcing or open ground; large, compact, solid, pure white heads of fine quality. Pkt., 25c.; oz., \$3.00; $\frac{1}{4}$ lb., 11.00.

Early Snowball—Highly esteemed by market gardeners for its earliness and reliability as a sure header; it grows on a robust stem, and produces magnificent white heads of fine quality. Pkt., 25c.; oz., \$3.00; $\frac{1}{4}$ lb., 11.00.

Early Paris—Head rather large, white and compact, stalk short. Pkt., 10c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

Lenormand's Short Stemmed—A very fine large, late variety of good quality. Pkt., 10c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

Early London—A well known variety, fine, white and compact heads. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50.

Italian Early Giant Autumnal—Extra fine sort, produces large, white heads, and comes to maturity early in autumn. Pkt., 10c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

Large Late Asiatic—A late, large, white compact variety. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50.

CARROT.

French, *Carrote*. German, *Möhre, oder Gelbe Rieben*. Spanish, *Zanahoria*. 1 oz. to 100 feet drill; 2 to 3 lbs. to the acre in drills. Sow during any of the spring months, in drills from twelve to fifteen inches apart, and thin to three or four inches in the drill. Requires deep, rich, mellow soil and thorough culture. Esteemed a most valuable root crop

for feeding cattle and horses. To keep them, they must be well dried and put in a place free from wet and frost, and should be often examined and overhauled if they should sweat.

Early Half Long Scarlet, Stump Rooted—An excellent variety for market gardeners; color, scarlet; good for shallow soils. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Rubicon Half Long—Very symmetrical in shape and of dark, orange color. It is earlier than the Danvers and about the same length; the leaves are one-third shorter, fewer and finer than this well-known sort. It grows without neck, the crown is hollow and it grows well under the ground, which prevents it from becoming sunburnt. Oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.25.

Price per Packet, Postage included, 5 cts. each.

Extra Early Forcing—The earliest variety in cultivation. Tops small, root round, two inches in diameter, with slender tap, reddish orange. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Extra Short Horn, Stump Rooted—A very early variety, excellent for table use; color, deep scarlet. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Oxheart, or Half Long Guerande—This is one of the most valuable, either for family use or market. It is an intermediate between the Half Long and Horn varieties, attaining a diameter three to four inches at the neck, and of most beautiful shape and color. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Early Scarlet Horn, Pointed Rooted—A fine variety, of medium size; color, deep scarlet; fine flavor. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Danvers Half Long Orange—One of the most productive, and good for field culture. Tops medium, dark colored; roots large, but short, tapering abruptly at the point, very uniform and handsome; flesh, deep orange, with yellow center, sweet and tender.

Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Improved Long Orange—A well known standard sort; roots long, thickest near the crown, tapering regularly to a point; color, deep orange; suitable for the table and main field crop. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Altringham—Fine red; mild and good flavored; good for Stock and Horses. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Large White Belgian—Grows one-third out of the ground; roots pure white; green above ground, with small tops. Valuable for Horses and Stock. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CELERY.

high, six to eight inches apart in each trench. Keep them shaded until started, and gradually earth them up as they grow. Set them from May to July.

Price per Packet, 5 cts. each, Postpaid.

White Plume—Self-blanching; the stalk and portions of the inner leaves and heart are *naturally white*; needs very little banking up to blanch; crisp, solid and of a nutty flavor, while its white feather-like foliage places it ahead of all others as a table ornament. Our seed can be relied upon as the "True White Plume." Oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

Paris Golden Self-blanching—A fine solid variety on the style of the White Plume, except that it is golden yellow where the Plume is white, and contrasts well with that sort. It is as self-blanching as any; yet neither it nor any other kind can reach perfection without some artificial method of blanching. True seed. Oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

Golden Heart Dwarf—Very fine; when blanching the heart is of a waxy, golden yellow, rendering it a most showy and striking variety for either market or private use. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

White Half Dwarf—The leading variety for market gardeners. When blanching it is of a yellowish-white, entirely solid and of nutty flavor. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Boston Market—A favorite variety; remarkable for its tender, crisp and succulent stems and its peculiar mild flavor. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Kalamazoo Broadribbed—Very distinct and handsome, of a beautiful cream-white color throughout, attains a very large size, of quick growth, stiff and close habit, is remarkably solid, crisp eating and fine flavored. Oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., 3.00.

Perfection Heartwell—The best flavored and best keeper of the white sorts. No gardener who wishes celery for winter use should fail to plant this variety, as there is no other sort which equals it for storing, and few which approach it in quality or beauty. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Silver Giant White Solid—Large, round, crisp and solid, the old well-known variety. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Incomparable Dwarf Crimson—Dwarf habit; exceedingly solid, of fine, dark crimson color. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

CRESS.

Fr., *Cresson*. Ger., *Garten Kresse*. Span., *Mastruco*.

The peppergrass sow early in spring, in shallow drills, and every two or three weeks for a succession; cut often, as it will continue to grow. The winter cress can be sown early in spring or in autumn, in drills one foot apart, and thinned out to about three inches in the drill. The Water Cress must be sown on the margin of a stream of running water, or in a very moist location, in which it will grow without care.

Curled or Peppergrass—Common and well-known. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Broadleaved Winter—A variety, with large fleshy leaves. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

True Water Cress—Leaves tender and highly flavored. Pkt., 10c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.25; lb., 4.00.

CARDON.

Fr., *Cardon*. Ger., *Kardon*. Span., *Cardo*.

Cardoon is grown for the mid-rib of the leaf, which requires to be blanched. Sow early in spring, where the plants are to remain, in drills three feet apart, and thin out the young plants to a foot apart in the drills.

Large Spanish—Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Celeriac—Erfurt Improved Turnip Rooted—A variety of celery, having turnip-shaped roots, which are cooked and sliced and used in vinegar, making a most excellent salad. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Celeriac—Apple-shaped—A great improvement over the old variety, having small foliage, large tubers, almost round in shape and smooth. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

CORN SALAD OR FETTICUS.

Fr., *Mache*. Ger., *Rabinschen*, *Feldsalat*. Span., *Canonigos*. 1 oz. will sow fifteen square feet. Sow five to six pounds to the acre.

Sow early in fall or first of the spring, in shallow drills, about twelve inches apart. Cover lightly, and if very dry, occasionally water. To protect through the winter, cover with straw or light evergreen bush. It is used as salad, and is esteemed very highly on account of its very early appearance in the spring.

Large Leaved—The best variety cultivated. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

CHICKORY.

Fr., *Chicoree*. Ger., *Chicorienwurtzel*.

Large Rooted or Coffee—Sown in drills, the roots become well developed. When they are dried, roasted or ground, they become the Chicory of commerce, and are used in adulterating coffee.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Wild Chicory—The leaves are used for salads. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

DANDELION.

Fr., *Pisse-en-lit*. Ger., *Loewen Zahn*. Span., *Amargon*.

The Dandelion is cultivated for spring greens, or for blanching for salad. The seed should be sown in May or June, in drills half an inch deep and twelve inches apart. The plants will be ready for use the following spring.

Large Leaved—Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

CUCUMBER.

from frosts and during cold storms. Form low, flat hills six feet apart each way, of rich soil, by mixing in a quantity of thoroughly decomposed manure, stirring the soil to a depth of sixteen inches or more; or open shallow trenches the same distance apart and mix with the bottom earth a quantity of similar manure and replace the surface soil. Scatter on each hill fifteen or twenty seeds, or one every inch along the rows, and cover one inch deep, pressing the soil firmly over them. When the plants are well established, thin to three plants to each hill. In gathering, pick all the fruit before it begins to ripen, as the vines will cease setting fruit as soon as any seed commences to mature.

Price per Packet, 5cts. each.

London Long Green—The old standard sort; one foot long; flesh greenish white, firm, crisp. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Extra Long Green Turkey—A distinct variety; growing about eighteen inches long; flesh firm and crisp. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Giant Pera—Grow very smooth and straight; free from spines, and retains its clear green color until nearly ripe. The green cucumbers are fit to eat at any stage, the flesh is entirely white, very clear, perfectly crisp, tender and brittle. A mature Giant Pera eighteen to twenty-two inches long will hardly give as much seed as a small, short green cucumber. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

West India Gherkin—Oval shaped, prickly; for pickling only. Oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Fr., *Concombre*. Ger., *Gurke*. Span., *Cohombro*. 1 oz. to 60 drills; 2 to 3 pounds to the acre, in hills. The plants are tender and planting should be delayed until settled warm weather, or ample facilities are provided for protecting them

P. S. Co's Early White Spine—Select Strain—One of the finest strains of White Spine in cultivation. The fruit is of good size, eight to nine inches long, straight, well formed and handsome, full at both ends, skin deep green, holding color until mature; a good bearer, and the best for forcing, table use or pickling. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Extra Long White Spine—Very fine shape for market; grows 10 to 12 inches. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Russian—The earliest in cultivation; small hardy and prolific. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Green Cluster—Early, short and prickly; bears mostly in clusters. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Extra Early Green Prolific—Ten days earlier than the Green Prolific; an excellent early strain of this valuable variety, very desirable for pickling. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Frame or Short Green—Early sort for table and pickling; of medium size, straight and handsome. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Boston Pickling—An early, short variety, of good form and very productive, one of the best for pickling. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Westerfield's Chicago Pickle—This variety combines all the qualities desired by those who raise cucumbers for commercial pickles. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Jersey Pickle or Long Green Prickly—A very excellent and prolific variety, sometimes growing from ten to twelve inches long; rather pointed at both ends, dark green, firm and crisp. It is excellent for the table, and makes a hard, brittle pickle. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

FRAME SORTS FOR FORCING.

The forcing varieties are of fine quality and of wonderful size, often two and one-half feet in length, but they require a hot bed to help them along, until the weather is warm.

General Grant—Green; twenty to twenty-five inches long. Pkt., 15c.

Giant of Arnstadt—Green; one of the finest, twenty inches long. Pkt., 15c.

Glory of Erfurt—Snow white; twenty to twenty-four inches long. Pkt., 15c.

Swan Neck—Green; twenty-six to thirty inches long. Pkt., 15c.

EGG PLANT.

Fr., *Aubergine*. Ger., *Eierfrucht*. Span., *Berengena*. 1 oz. will produce about

1,000 plants. Sow in hot-beds very early in the Spring, and transplant to two or three feet apart, in very rich, warm ground. Hoe often, and hill up gradually till they blossom. For want of hot-beds, sow the seed in window-pots early in the Spring or later, in a warm, light, sheltered place.

Early Long Purple—Earliest and most productive; fruit long, dark rich purple, and of fine quality. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.

New York Improved Large Oval Purple—The best variety in cultivation, being early, a sure cropper and of fine quality. Plants large, vigorous, with light green leaves; fruit very large, oval, deep purple; flesh white, tender and of superior quality. Pkt., 10c.; oz., 50c.; lb., \$1.75.

Black Pekin—Fruit globular, almost black, skin smooth; flesh white, fine grained and highly flavored. Pkt., 10c.; oz., 40c.; lb., \$1.50.

LETTUCE.

and transplant on a well-prepared bed in some sheltered place in April. For successional crops, sow in beds of well pulverized soil in March, and at intervals of about two weeks. The Hardy Green Winter and Brown Dutch varieties may be sown in September, in a dry sheltered situation, and if protected by a loose covering of straw and evergreen boughs, will stand the winter well.

Price per Packet, 5 cts. each.

HEAD VARIETIES.

P. S. Co's Early White Cabbage or Butter Salad.—This is our leading and standard sort; heads large, solid close and well formed, very tender, crisp and of excellent flavor, and always free from bitterness. Desirable for forcing and for out of doors. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

St. Louis Market.—A large white cabbage variety, equally valuable for forcing or out of doors; very slow to run to seed; solid heading sort. Wherever tried has given perfect satisfaction. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Golden Buttercup.—An improved Golden Yellow Stonehead, it is an excellent forcing variety, but is equally suitable for summer use, forming solid heads of bright citron-colored foliage, crisp, tender and delicate in flavor. Used extensively by market gardeners. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

All the Year Round, or Black Seeded Butter.—A hardy, crisp-eating and compact growing Cabbage Lettuce, with medium size close heads of a dark green color; an excellent Lettuce all the year round. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Tennisball, or Boston Market.—Forms a close, hard head, with a few outer leaves; a favorite forcing variety. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Royal Summer Cabbage or Drumhead Lettuce.—Excellent for summer; color light yellow, leaves uniform, head well formed, good size, close and a little flattened. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

P. S. Co.'s Standwell.—This lettuce will stand longer than any other known variety before running to seed. The heads are very large, firm and solid, yet extremely tender and delicious in flavor. Its heat and drought resisting properties are greater than those of any other lettuce. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Yellow Seeded Butter Lettuce.—Like the Standwell, this withstands summer heat well, and remains in head long before running to seed. It is a very distinct sort, making a large, dense yellow head, very crisp and tender, and excellent in flavor. Its beautiful yellow heart gives it a very handsome appearance. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Hanson.—Heads very large, solid, tender, crisp and of fine flavor. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large India.—Withstands summer heat better than most kinds; forms an immense solid head. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Paris Green Cos or Romaine.—Grows upright, with long, narrow and dark green leaves; excellent quality. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Paris White Cos or Romaine.—Similar to the above, with leaves of a lighter color; requires tying up to blanch. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

CURLED VARIETIES.

Black-Seeded Simpson.—Like the Curled Simpson, this variety does not properly form a head, but it is lighter in color, the leaves nearly attaining *double* the size of the Curled Simpson; it is well suited for forcing and it is one of the best for market gardeners. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Early Curled Simpson.—Very early; an excellent sort for forcing. An improvement on the Curled Silesia. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Boston Curled.—A variety of great beauty and of very superior quality. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

WINTER VARIETIES.

Hardy Green Winter.—One of the very best winter varieties; very hardy, and forms a solid head. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Brown Dutch Winter.—A very hardy sort, medium size, fine flavor. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

ENDIVE.—LETTUCE.

Fr., *Chicoree Endive*. Ger., *Endivien*. Span., *Endivia*.

1 oz. will sow about 50 feet square.

Sow in July and August, in shallow drills, twelve to fifteen inches apart, and thin to one foot in the drills; when fully grown, tie over the outer leaves of a few plants every week or ten days to blanch. Draw a little earth to the base of the plants. An open situation with rich, mellow soil, is most suitable. Price per Packet, 5 cts. each.

Green Curled.—Leaves curled; dark green, crisp and tender; early blanching. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

White Curled.—Self-blanching; very fine flavored and tender. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Green Broad Leaved—Escarolle.—Leaves broad, light green and plain. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

White Broad Leaved—Escarolle.—Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Dwarf German Greens—Very hardy, leaves curled, highly flavored and of excellent quality; extensively grown as winter greens. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Tall Green Curled Scotch—A popular variety, very

KALE OR BORECOLE.

Fr., *Chou-vert*. Ger., *Blaetter Kohl*.

Kohl. Span., *Breton*. 1 oz. will produce about 2,000 plants. The Kales make excellent greens for winter and spring use. The Tall and Dwarf Green Curled are sown about the end of spring, and then transplanted and cultivated like cabbage. The Dwarf German Greens are hardy, and for spring use are sown as late as September in drills a foot apart, with slight protection stand the winter, and are improved rather than injured by frost.

hardy, and much improved by frost. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Dwarf Green Curled Erfurt—A sort of special excellence, being a very fine curled variety of yellowish green color, growing very close to the ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

KOHLRABI.

Fr., *Chou Rave*. Ger., *Kohlrabi*. Span., *Cal de Nabo*. 1 oz. will produce about 2,000 plants.

Kohlrabi is in form not unlike a Globe-shaped Turnip. While young, the flesh is tender and delicate, possessing the combined flavor of the Cabbage and Turnip. Cultivation same as directed for cabbage, taking care to set the plants no deeper than they stood in the seed bed, and in hoeing, not to heap much earth about them.

The quality of our Kohlrabi Seed cannot be surpassed.

Price per Packet, 5 cts. each.

Earliest White Erfurt—An excellent forcing variety, also good for open ground. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Earliest White Vienna—The earliest and best for forcing; very tender; excellent for table use. Above ground. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Earliest Purple Vienna—Differs from the Early White Vienna only in color, which is of a bluish-purple. Above ground. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Large Green or White—Good open ground sort; stands long without becoming stringy. Above ground. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Large London Flag—Broad leaves growing on both sides; of strong and vigorous growth, hardy. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

LEEK.

Fr., *Poireau*. Ger., *Lauch-Porree*. Span., *Puerro*. 1 oz. will sow 100 feet drill. A hardy

species of Onion, sown in drills or broadcast. When six inches high, transplant into rows a foot apart, setting the plants four or five inches deep and about six inches apart in the row. Used mostly in soups and stews.

Price per Packet, 5 cts. each.

Large Musselburgh or Scotch Champion—Leaves broad and tall, spread like a fan; hardy and of excellent quality. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

MUSHROOM SPAWN.

Fr., *Blanc de Champignon*.

Ger., *Champignonbrut*.

Span., *Seta o Huevas de Hongos*. Mushrooms may be cultivated much easier than is generally supposed. They may be grown in a cellar or shed, or in beds prepared in the open air, in the same manner as hot beds. Full directions for culture are furnished with each order for spawn. Per lb., 20c.; 10 lb., \$1.75. If by mail, add 10c. per pound to prepay postage.

MARTYNIA, FOR PICKLES.

A hardy, annual plant, the seed pods, if picked when small and tender, make excellent pickles. Sow in May, in the open ground, about three feet each way, where the plants are to remain; leave but one plant in a hill, or the seeds may be sown in a hot-bed, and afterwards transplanted.

Martynia Proboscidea—Pkt., 5c.; oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

MUSTARD.

Fr., *Moutarde*. Ger., *Senf*. Span., *Mostaza*.

1 oz. to about 60 feet of drill; 10 pounds to sow one acre. For Salad and Greens, sow broadcast early in spring.

Yellow or White London—Best for salad. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Brown or Black—More pungent than the white. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Chinese Curled—Leaves twice the size of the White, stems more succulent, of deeper green, flavor pleasantly sweet and pungent. Oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

MUSHROOM.

NASTURTIUM OR INDIAN CRESS.

Fr., *Capucine*. Ger., *Indianische Kresse*. Span., *Maranuela*.

Sow early in spring, in drills one inch deep, and train the plants on brush, strings or trellis work. The flowers and young leaves are used as a salad, and the green seeds for pickling. The flowers are very ornamental.

Tall Yellow—Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

MUSK MELON.

plants to the hill. When the plants have four or five rough leaves, pinch off the end of the main shoot, which will hasten the lateral branches and strengthen the growth of the vines, and the fruit will come to maturity earlier. When the stem will cleave from the fruit they have arrived at perfection.

Price per Packet, 5 cents each.

Hackensack—Attains a large size, is round in shape, flattened at the ends; is of most delicious flavor, and wonderfully productive. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb. 80c.

Early Hackensack—This valuable variety is ready for market fully ten days ahead of the well-known Hackensack, which it much resembles in shape and quality. The melons are of good size, weighing from five to ten pounds each. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb. \$1.00

Early White Japan—Very early, medium size; skin, cream white; flesh, thick, pale green, very sweet and delicious. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Nutmeg—Fruit, oval, good size, thickly netted; flesh, light green, rich, sweet, melting and highly perfumed; one of the finest. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Montreal Market—The fruit is nearly round, slightly flattened at the ends, deeply ribbed, skin green and netted. They grow to a very large, uniform size, averaging from fifteen to twenty pounds in weight. The flesh is green, very thick, and of good flavor for so large a melon. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb. 80c.

Champion Market—The melons are almost a perfect globe in shape and densely netted. They are very uniform in size, averaging about six pounds each. The flesh is thick, light green in color, and of rich, sweet flavor. The vines are very vigorous, remarkably healthy, and very productive. The melons mature early and all ripen up finely. It is an excellent shipper and a most popular variety for market. Oz., 10c.; $\frac{1}{4}$ lb. 80c.; lb., \$1.00

French, *Canteloupe-Melon*. German, *Zuckermelone*. Spanish, *Melon Muscatel*. 1 ounce will plant 60 hills; 2 to 3 pounds in hills for an acre. Late in the Spring drop a dozen seeds in hills, five or six feet apart; and when out of danger from insects, thin to three or four

New Giant—This is indeed a Giant amongst the Musk Melons. They are round in shape and of a light green color, turning cream-yellow when ripe. Skin is smooth with little netting. Flesh is a deep salmon color, thick and fine grained, no stringiness whatever, very sweet and luscious. Not a sport to be found in a field of them. The seeds alone pronounce this variety a novelty, as they resemble those of a summer squash more than a melon. A distinct variety. Per pkt., 10c.; oz., 30c.

The Osage—Egg shaped. The skin is very thin, of dark-green color, and slightly netted. The flesh is of a salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. The seed cavity is very small. All lovers and shippers of fine melons should plant the Osage. Oz., 10c.; $\frac{1}{4}$ lb., 80c. lb., \$1.00

Miller Cream Nutmeg—The flesh is of a rich salmon color, very thick, sweet and melting in quality. The rind is very thin, slightly sutured and finely netted. They average about the size of the Golden Gem, but of handsomer shape and appearance. Vines grow strong and are very productive, covering the ground with fruit. They retain their bright, fresh appearance, and remain solid several days after being pulled. Oz., 10c.; $\frac{1}{4}$ lb., 80c.; lb., \$1.00.

Emerald Gem—This most excellent new Musk Melon originated in Michigan. It is of superior flavor and quality; the skin is an Emerald green color and is quite smooth; they ripen early and produce well, being about the size of our Golden Gem; the flesh is light red or salmon, very thick, juicy and luscious in flavor. Oz., 10c.; $\frac{1}{4}$ lb. 25c.; lb., 80c.

Golden Netted Gem—One of the earliest, globular in shape, very uniform in size and weight, weighing from 1 $\frac{1}{4}$ to 1 $\frac{1}{2}$ lbs. each; flesh light green, and of a very fine flavor. Exceedingly productive, and will keep well for nearly a week after picking. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Green Citron—Handsome, medium size, netted; flesh, thick, green, melting, very sweet, highly flavored. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Skilman's Fine Netted—Very early; small, rough netted; flesh, green, very thick, firm and delicious. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Acmé or Baltimore Canteloupe—The most popular variety in Baltimore, where it originated a few years since, and pronounced by prominent melon growers the finest shipping musk melon in cultivation. Oz., 10c.; $\frac{1}{4}$ lb. 25c.; lb., 80c.

Bay View Canteloupe—The largest, most prolific, best flavored and finest Canteloupe in cultivation. It can be picked quite green, will ripen up finely, and carry safely for a long distance; flesh, green, sweet and spicy. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

Improved Yellow Canteloupe—An oval variety, good sized; skin, yellow, marbled with green; flesh, salmon-colored, sweet, highly perfumed, and of good flavor; early and productive. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

OKRA OR GUMBO.

more apart. Highly esteemed and cultivated for its green seed pods, which are used in soups or stewed. Gather while young and tender, and for winter use slice into rings and dry on strings or otherwise.

Price per packet, 5 cents each.

Long Green or Long White—Long ribbed pods. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Improved Dwarf Green—Early and very productive; smooth pods. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

White Velvet—The pods of this variety are round and smooth, and are produced in the greatest abundance. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Fr., *Gombo*. Ger., *Essbarer Hibiscus*.

Span., *Quimbombo*. 1 oz. to about 80

hills. Sow about middle of spring, in

drills, and thin the plants to a foot or

more apart. Highly esteemed and cultivated for its green seed pods, which are used in soups or stewed.

Gather while young and tender, and for winter use slice into rings and dry on strings or otherwise.

WATER MELON.

inch deep, and thin to three best plants. Hoe often, and cut off the extreme ends of the most luxurious shoots.

Price per Packet 5 cts. each.

Mammoth Iron-Clad—Grows to a very large uniform size, frequently weighing eighty pounds and over. They are enormous yielders, flesh bright red, solid, and of excellent flavor. The rind is extremely tough and hard, hence the name, *Iron-Clad*—rendering them valuable for shipping. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Seminole—This watermelon is extra early, enormously productive, extra large and of most delicious flavor. It is of two distinct colors, gray and light green. Melons of both colors are exactly the same in size, shape, color of seed, flavor, etc., and pronounced by competent judges as exactly the same melon in every respect. Melons of both colors are found on the same vine. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Scaly Bark—The skin is dark green, quite smooth and has a peculiar scaly appearance. It is unusually productive, the average weight of the melon being forty to fifty pounds. The flesh is light crimson, solid, tender and of exquisite flavor. The rind, though quite thin, is remarkably tough. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Peerless—The best melon for general use, particularly at the north. Vine vigorous, hardy, productive; fruit medium, oval, finely mottled, light and dark green, somewhat in stripes; rind thin; flesh bright scarlet, solid to the center, crisp, nutty and sweet.

Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Iceing or Ice Rind—This has become exceedingly popular wherever grown; oblong in shape, rind dark green, white seeded, of good size and very prolific; flesh dark red, melting and of fine flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Ice Cream—(White Seeded); medium size; skin pale green, flesh solid, scarlet, crisp and delicious. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Pride of Georgia—This variety is striped light and dark green in color, oval in shape, an excellent shipping variety of large size. Flesh bright red, very crisp and sweet. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

The Volga—A Russian Melon of excellent quality, perfectly globe shape, very productive, weighing 12 to 15 pounds, flesh is bright crimson and in crispness and flavor is unsurpassed; the seeds are very small and few in number. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Southern Rattlesnake or Gipsy—Fruit oblong, skin light green, beautifully striped, thin rind; flesh deep scarlet, solid and deliciously sweet. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

French, *Melon d'eau*. German, *Wassermelone*. Spanish, *Sandia*. 1 oz. to 40 hills; 4 to 5 pounds in hills to an acre. Drop, middle of spring, in hills six to eight feet apart, six to ten seeds, one gradually hill up, and after the fruit appears,

Kolb Gem—This variety is more largely grown by Southern shippers than any other. The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor. All who have grown it agree in pronouncing it one of the largest, most productive, best keeping and shipping melons. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Cuban Queen—The largest and one of the best grown, often weighing 50 and sometimes 70 pounds; an excellent keeper; skin beautifully striped dark and light green. The flesh is red, solid, delicate in flavor and very sweet. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

The Boss—This is one of the first among the earliest; an excellent shipper, very productive and of delicious flavor. In shape it is oblong and of nearly the same diameter throughout its entire length. Color very dark; flesh deep scarlet; rich in sugar, delicious melting flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Phinney's Early—Very early; flesh bright red, sweet, tender and well flavored. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Black Spanish—Earliest; round, skin dark green, flesh red, rich sugary flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Mountain Sweet—A large oval variety; flesh scarlet and quite solid; very sweet and delicious. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Mountain Sprout—Fruit of large size, long oval shaped; flesh red, of excellent quality. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Orange—The rind separates from the flesh when fully ripe; flesh red, tender and sweet. Oz., 10c.; $\frac{1}{4}$ lb., 30c. lb., \$1.00.

Citron—Flesh white and solid; used only for preserves. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Florida Favorite—This variety is very early and one of the finest table melons extant; oblong in shape, and growing to very large size; rind dark with light green stripes; flesh light crimson, very crisp and deliciously sweet; seed rather small and of a light creamy white color. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

ONION.

French, *Oignon*. German, *Zwiebel*. Spanish, *Cebolla*. 1 oz. to 100 feet of drill, 4 to 5 pounds to the acre. The Onion thrives best in a rather deep, rich, loamy soil, and unlike most vegetables, succeeds well when cultivated on the same ground for successive years. As early in the spring as the ground is in working order, commence operations by leveling the ground with a rake, and tread it firmly; sow thinly in drills about a quarter of an inch deep and a foot apart, cover with fine soil, and press down with the back of a spade or a light roller. If grown to make large Onions, thin plants gradually so that they stand two to three inches apart. Keep the ground free from weeds by frequently hoeing, taking care not to stir the soil too deeply.

🌱 Gardeners in the South, as well as in the Middle and Western States, can grow full-sized Onions the first year from our black seed; for this purpose 4 to 5 pounds of seed per acre are required. To raise small sets 30 to 40 pounds of seed are required per acre, and for this purpose the best varieties are the Yellow Danvers, Yellow Strassburg, Early Red and White Silver-skin.

A printed Essay on the Cultivation of Onions will be sent by mail upon the receipt of twenty-five cents.

Special Prices given for Quantities of 10 Pounds and over. Per Packet, 5 cts. each.

Extra Early Red—Smaller and more flat-shaped than the Large Red; color deep red; close grained and heavy. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Wethersfield Large Red—The old standard sort; best for main crop. Large size, deep red, thick, approaching to round shape, fine grained, pleasant flavored and very productive. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Large Red Globe—A variety maturing as early as the flat sort. It is globe shaped; skin deep red; flesh mild and tender. Very handsome in appearance. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Danvers Yellow—This fine variety is a thick, flat, heavy, straw-colored Onion, mild flavored, and yields most abundantly; ripens early, and keeps equal to the best. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Danvers Yellow Globe—Distinct in form, being nearly globular; of a beautiful silver yellow color; mild flavor and good keeper. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Yellow Dutch, or Strassburg—Flat shaped, excellent flavored. The best variety for yellow sets. Oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Giant Yellow Globe—Grows to an enormous size, globular formed, fine yellow color, good flavor, an excellent keeper, and remains sound until June. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

White Portagal, or Silver-Skinned—A mild pleasant onion, which grows to a fair size and handsome shape; good for summer use; also excellent for pickling, and the best variety to grow white sets. Oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

Large White Globe—True globe-shaped, enormous yield; grows to a large size, of mild flavor, and a good keeper. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

NEW EXTRA EARLY PEARL ONION.

This is the earliest and the best of all the white varieties. It grows to an enormous size and shape, of pearly white color, the outer skin having a most showy, waxy appearance, flesh of a pure snow white, and flavor so mild that it can be eaten like an apple. It grows with wonderful rapidity, reaching a fine, large size the first season from seed. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., 3.50.

El Paso or Large Mexican—This variety grows to an enormous size, often weighing from two to three pounds. Skin and flesh white, flavor very mild. Oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

ITALIAN ONIONS.

duce a splendid crop early in the year. They are of mild flavor, and much liked by all who have grown them.

Price per Packet, 5 cts. each.

Red Giant Rocca
—A splendid large Onion of globular shape, light brown skin, and of delicate flavor. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Yellow Giant Rocca
—This variety is as large as the Red Rocca, which it resembles in every respect except that the skin is of a beautiful rich, yellow color. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Neapolitan Marzajola—A beautiful white-skinned variety; a good keeper. In the South the seed can be sown in the autumn, and large onions produced in March. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

This is the largest of the Tripoli sorts, the average diameter of the bulbs being $6\frac{1}{2}$ to 7 inches, thus giving a circumference of about twenty inches. We have imported seed of this truly mammoth variety direct from the originator in Italy. It is of attractive shape, with a silvery white skin, and flesh of a most agreeable mild flavor. Oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

Giant White Tripoli—Grows to an enormous size, especially in the South. White skin, flat and of mild flavor. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

White Queen—An early variety; white, small and of fine flavor. Size of Onion about two inches in diameter. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

White Barletta—This variety is at least three weeks earlier than the Queen; skin white; flesh very mild in flavor and snowy white. The bulbs are one and a quarter inches in diameter; beautifully rounded and flattened at the top. Oz., 30c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

ONION SETS.

account of the early publication of this Catalogue, we cannot guarantee prices given, but to avoid unnecessary delay and writing, we will fill orders sent, and will give as many as the money sent will pay for. If Onion Sets are wanted to be sent by mail, 10 cents per quart or pound must be added to prepay postage.

1 quart to 20—40 feet of drill; 8 to 12 bushels, depending on size, to set an acre in drills. *Express or Freight charges always to be paid by the purchaser.* We have no other Onion Sets than those named below. On

Button Onions.

Onion Sets from Seed.

Potato Onion Sets.

Bottom Onions, or Onion Sets, are produced by sowing the seed thickly late in the spring, in beds or drills, and about the end of July, or whenever the tops die down, the little bulbs or sets are gathered and kept spread thinly in a dry, airy loft, and reset in the spring to make large Onions.

Yellow Bottom Sets—Quart, 25c.; peck, \$1.25; bush., 4.50.

White Bottom Sets—Quart, 25c.; peck, \$1.25; bush., 4.50.

Red Top, or Button Onions, planted early in the spring in shallow twelve-inch drills, about four inches apart, slightly covered, and will produce large Onions maturing much earlier than from the seed. If the large Onions are planted again in the spring they will produce a number of small bulbs, growing on the top of the stalk. Weight, twenty-eight pounds per bushel. Pound, 25c.; peck, \$1.25; bush., 4.50.

Potato Onions should be planted in March or April. Select the large bulbs, place them ten inches apart, with the crown of the bulbs just below the surface of the ground. They are also in some localities planted in the fall. Quart, 20c.; peck, \$1.25; bush., 4.50.

Garlic (Knoblauch)—Plant in April or May, one inch deep, in drills fourteen inches apart, and from five to six inches apart in the rows. Pound, 20c.; 10 lbs., \$1.75.

Wild Top, or Winter Onions—These Onion Sets look like Top Onions. They are planted in September, and are used for early spring Onions, for eating green. They do not produce an onion, but top sets of silberts only. Ready for shipment in September. Price upon application.

PARSLEY.

Plain Parsley—Leaves dark green, plain, longer than the Curled and better flavored for seasoning. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Curled or Double—Leaves yellowish green, very beautifully curled; used for a garnish for the table. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Moss Curled or Myatt's Garnishing—The leaves are very finely curled and moss like; a good variety. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Hamburg or Turnip Rooted—A fleshy-rooted kind; the roots are used for flavoring soups, etc. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

PARSNIP.

Fr. *Persil*. Ger., *Petersilie*. Span., *Perigil*. 1 oz. will sow 150 feet drill. Sow early in spring, after soaking the seed a few hours in warm water, in rows one foot apart. Used for garnishing and for seasoning. Remove some plants to light cellar to have some green through winter.

Price per Packet, 5 cts.

Long Smooth White—Long, white, smooth, no side roots; tender and excellently flavored. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Large Sugar or Hollow Crown—The best variety in cultivation; roots long, white, smooth tender, sugary, excellent flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

PEPPER.

Fr. *Piment*. Ger., *Spanischer Pfeffer*. Span., *Pimiento*. 1 oz. will produce about 1,500 plants.

Sow early in hot-bed, or in open ground about the middle of spring. Transplant when three inches high, to one foot apart, in drills twenty inches apart, and earth up a little in hoeing, which can be continued until the plants are in full blossom. Price per Packet, 5 cts. Postpaid.

Ruby King—The peppers of the Ruby King attain a very large size. Ordinarily they grow $4\frac{1}{2}$ to 6 inches long, by $3\frac{1}{2}$ to 4 inches thick. When ripe they are of a beautiful bright, ruby red color, and are always remarkably mild and pleasant to the taste. Oz., 35c.; $\frac{1}{4}$ lb., \$1.25.

Large Bell or Bull Nose—A very large sort, of square form, tapering to a point; mild, thick and hard; suitable for filling with Cabbage, etc., and for a mixed pickle. Less pungent than most other sorts, and one of the earliest varieties. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Sweet Mountain—Similar to the Bell, but larger; much used for stuffed pickles. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Squash or Tomato Shaped—Fruit more or less ribbed. Color, red; flesh, thick, mild and pleasant to the taste. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Golden Dawn—Color, bright, golden yellow; very brilliant and handsome; entirely exempt from fierce flavor, seeds and pulp may be chewed without detecting the slightest smart taste. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Long Red Cayenne—Long, red, hot and pungent; dwarf growth. Oz., 25c.; $\frac{1}{4}$ lb., 35c.

Cherry Red—Red, round, very hot, and a great bearer. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Cherry Yellow—Resembling the above, except in color, which is bright yellow. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Chili—In growth like the Cayenne, but smaller and later; used for pepper sauce. Oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

Celestial—Very showy. The Peppers, when young, are delicate creamy-yellow, and ripen to a vivid scarlet. They are about two inches long and of clear, sharp flavor. Oz., 35c.

PUMPKIN.

Fr., *Courge*. Ger., *Kuerbiss*. Span., *Calabaza*. 1 pound will plant about 300 hills; 3 to 5 pounds to the acre in hills. When warm weather has come, drop in hills ten to twelve feet apart. They occupy too much room for the garden, and should be cultured as a field crop.

Price per Packet, 5 cts. each.

Tennessee Sweet Potato Pumpkin—Grows to a medium size, pear shaped, a little ribbed, color, creamy white, sometimes lightly striped with green; flesh, thick, creamy white, remarkably fine grained, dry and brittle, and of most excellent flavor. True. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Nantucket Sugar or Negro—An old, well known variety, used most exclusively in making the celebrated Yankee Pumpkin Pies. The skin is very dark green, almost black, flesh thick and of a rich orange yellow. They weigh from twelve to fifteen pounds and keep well until summer. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Cushaw (Crooked-Neck)—Solid flesh, fine and sweet, keeps well. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Large Cheese—Flat shaped; flesh yellow, fine grained and sweet. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 60c.

Mammoth Tours—Grows to an immense size, often weighing over one hundred pounds. Oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Kentucky Field—Large, round, a little ribbed, soft shell; salmon color; productive, and best for stock feeding. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Connecticut Field—A large, yellow variety, hard shell; excellent for field culture. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

RADISHES.

The Gem.

Philadelphia White Box.

Dark Red Round Erfurt.

Early Scarlet Turnip.

Scarlet Turnip.
(White Tipped.)

Long Scarlet.

Non-Plus Ultra. Earliest Scarlet Turnip Radish.

White Lady Finger.

Wood's Frame.

Early Scarlet Globe.

Chartier.

RADISH.

French, *Radis*. German, *Radies*—*Rettig*. Spanish, *Rabanos*. 1 oz. to about 100 feet of drill; 8 to 10 pounds for an acre. The soil for Radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use sow on gentle hot-beds in February, and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession, as long as they may be wanted. The Turnip-Rooted and the Olive-Shaped are the best for sowing in the summer. The winter varieties should be sown in August, and lifted before severe frost and stored in the cellar.

Special Prices for Large Quantities. Price per Packet, 5 cts. each.

Early Turnip Shaped Varieties.

Non Plus Ultra—Earliest Scarlet Turnip—This is unquestionably the earliest forcing Radish extant. It grows very rapidly, and is fit for use within three weeks from the time of sowing; very short top, flesh tender and of delicate flavor. Oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

The Gem—Extra Early Scarlet Turnip, White Tipped—In earliness it surpasses the Early Scarlet Turnip White Tipped, and is admirably adapted for forcing under glass, on account of the small size of foliage. The white tip is sharply delineated, and gives a fine appearance to the bunches ready for marketing. Oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Philadelphia White Box—An early white turnip Radish, with remarkably short top, rapid growth, perfect turnip shape, extra fine quality, and showing no disposition whatever to become pithy with age, but on the contrary remains juicy and solid long after fully grown. Oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

Earliest Erfurt Dark Red Round, or Deep Scarlet Turnip—Its shape is of the best type of the round sorts; color of skin a very dark red; white flesh, with small tap root. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Scarlet Turnip—A small round, red turnip-shaped radish, with a small top and of very quick growth; mild and crisp when young. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Scarlet Turnip, White Tipped—Very early; color bright scarlet, tipped with white; an excellent market variety; fine for forcing. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early White Turnip—White Turnip shaped; excellent flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Yellow Turnip—Early; round, golden yellow; good quality. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Scarlet Globe—This splendid Radish is one of the quickest growing and handsomest extra early Radishes in cultivation. Market gardeners and amateurs grow this Radish largely. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Summer Sorts.

St. Louis White Summer Turnip.

—This valuable variety is now the most popular Summer Radish grown. It is of handsome tapering shape, pure white and almost transparent, tender and of pungent taste. Oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

White Summer Turnip—Turnip shaped, white skin and flesh. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Long White Summer or Naples—Excellent for summer. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Golden Yellow Globe Shaped, or Yellow Summer Turnip—An excellent summer sort; best to stand the heat; can be sown late; a general favorite with market gardeners; large, oblong, russet color. Select quality. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Chartier, or Long Rose, White Tipped—Exceedingly handsome and attractive, being of a deep crimson color at the top, and blending off to almost white at the bottom; very tender. A good summer variety. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

French, *Radis*. German, *Radies*—*Rettig*. Spanish, *Rabanos*. 1 oz. to about 100 feet of drill; 8 to 10 pounds for an acre. The soil for Radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For

Early Long Varieties.

Early Short-Top Long Scarlet—The standard sort grown for private Gardens and for market. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Market Gardeners' Early Long Scarlet Short Top—An excellent strain and improved variety of the above. It is fully six days earlier, has a shorter and more compact top. In shape it is somewhat shorter and thicker. In color the upper portion is of an unusually deep brilliant red, which gradually shades to a deep, waxy pink towards the tip. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Early Long White Lady Finger—This is unquestionably the finest early long White radish in cultivation. Shape handsome; color beautiful snow white. It is of very rapid growth, and its flesh is remarkably crisp, brittle and tender. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Wood's Early Frame—In shape between Olive and Long; excellent for forcing; very early. A favorite with market gardeners. Color scarlet, fine flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Half-Long Deep Scarlet—This variety is very popular. They are of rapid growth, with deep, rich, scarlet skin, white flesh, very tender and crisp. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Olive-Shaped Varieties.

French Breakfast or Early Scarlet, Olive Shaped, White Tipped—A quick growing variety for early forcing; oblong shape; color scarlet, tipped with white; very crisp and tender. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early Scarlet Olive Shaped—Very early; of a lively rose color. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Early White Olive Shaped—Same as above, except in color. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Fall and Winter Sorts.

Long Black Spanish or Fall—Hardest and best for winter use. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Round Black Spanish or Fall—Grows to a large size, quite solid. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Long White Spanish or Fall—Very large size and firm texture. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Round White Munich or Fall—An excellent white winter sort; very fine and long keeping. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

California White Mammoth—Eight to twelve inches long, and about two and a half inches thick; flesh white, solid and tender. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Rose Colored China Winter—Very popular with market gardeners. Form conical, very smooth; bright rose color; large size, firm and tender; flesh of fine flavor. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

White China Winter—Similar to the above except in color. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

ST. LOUIS WHITE SUMMER RADISH.

SPINACH.

Fr., *Epinard*. Ger., *Spinat*. Span., *Espinaca*. 1 oz. will sow 60 feet of drill; 10 to 12 pounds in drills for an acre. This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during the winter, which prevents it from being cut with the frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks, from April to August. Spinach is best developed and most tender and succulent when grown in rich soil.

Special prices given on large quantities.

Price per Packet, 5 cts. each.

RAPE—For Greens.

Fr., *Colza*. Ger., *Raps*. Span., *Col*.

Sow early in the Spring, in drills or broadcast, and also in September, to stand in open ground over winter, with but slight protection; affording abundance of fine greens very early in Spring; in some localities it is largely cultivated for its seed, which is fed extensively to birds. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

HORSE RADISH SETS.

For Planting.

Ger., *Meerrettig*.

The best horse radish is produced from small pieces of root; these are to be set small end down, so that the top will be two inches below the surface. The soil should be very rich and well cultivated. It is hardy, and may be left in the ground until Spring before digging. We frequently receive orders for seed of this vegetable, but we can supply roots only.

Strong Roots—Price per dozen, 15c.; per 100, 90c.; per 1000, \$7.00. If wanted to be sent by mail, add at the rate of 25 cents per 100 to prepay postage.

SEA KALE.

Fr., *Crambe Maritime*. Ger., *Meerkohl*. Span., *Breton de Mar*.

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep, in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart.

Sea Kale—Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

RHUBARB.

Fr., *Rhubarbe*. Ger., *Rhabarber*. Span., *Ruibarro-Bastardo*. 1 oz. will produce about 600 plants.

Sow in drills, one foot apart, early in spring. In the fall or next spring, transplant to three feet apart. Do not pluck the stalks until the third year, and do not let the plant exhaust itself by ever running to seed. Stalks used for pies, tarts, etc.

Early Tobolsk—Earliest; fine flavor, very red color; a good variety. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Myatt's Victoria—Very large, rich flavor, and in high estimation. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

RHUBARB ROOTS.

Rhubarb Roots may be planted early in Spring or Fall, setting the roots three feet apart each way; if planted in Spring on ground well prepared, a full crop may be gathered the succeeding season. It requires but little labor; once planted it will remain in bearing condition for three or four years, only requiring a top dressing of manure dug in Spring or Fall. Choice Selected Plants, with three to four eyes, per dozen, \$1.50. Twelve good roots weigh about 10 to 12 pounds. If wanted to be sent by mail, add \$1.25 per dozen or 15 cents a piece to prepay postage.

SALSIFY OR OYSTER PLANT.

Fr., *Salsifis*. Gr., *Haferwurz*. Span., *Ostra Vegetal*.

Sow early in the spring, in drills fourteen inches apart, and thin to two inches apart. Cultivate same as Carrots or Parsnips. It assimilates closely to the taste and flavor of the oyster, when boiled, mashed and fried in butter. Gather what may be wanted for the winter, and let the balance stand in the ground for next spring's use.

Price per Packet, 5c. each.

Salsify or Oyster Plant—Long, white, tapering root. Oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Salsify, "Mammoth Sandwich Island"—This variety originated in the Sandwich Islands, and grown here. It is of enormous size, being at least twice as large as the ordinary sort; it is very tender and delicious, and resembles a good sized parsnip.

Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Scorzonera or Black Oyster Plant—Root black before cooking. Oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

SQUASH.

thinned to three plants in a hill. The hills should be highly manured, and prepared in a similar manner as those for cucumbers.

Price per Packet, 5 cts. each.

Bush Scallop.

Pine Apple.

Early White Bush Scallop, or White Patty-Pan—Light Cream Color; large, flat, scalloped-shaped; grows to a large size. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Yellow Bush Scallop, or Yellow Patty-Pan—Orange-yellow color; flat, scalloped shape; smooth rind. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

White Pine Apple—Very peculiar and distinctive in shape. The blossom end of the Squash is smooth and rounded, the stem end blunt and serrated. The color of the skin is a pure, creamy white. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Perfect Gem—Small, flattened, slightly ribbed; of a creamy white color; flesh fine grained, dry, sweet and of good flavor; sets its fruit near the root; very productive. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Bush, Summer Crookneck—Very productive; small, crooknecked; with watery excrescences; color, yellow; shell very hard when ripe. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Essex Hybrid—A new, medium late sort, one of the richest flavored, finest grained and sweetest of all the squashes, an excellent keeper, very early and of quick growth. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

American Turban, or Turk's Cap—Form and color resembles a Turkish Turban, hence the name; flesh orange-yellow, thick, fine grained and well flavored. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Hubbard—The leading Squash for fall and winter use; good in any climate; hard skinned; splendid keeper, flesh dark yellow, fine grained, very dry, sweet and rich.

Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

The Early Prolific Marrow—There is no variety for fall and winter that can compete with it in earliness and productiveness, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Large Winter Crookneck—Neck long and solid; dry, sweet and rich flavored; a good keeper. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Boston Marrow—One of the very best for fall and winter; form ovate; pointed; rind thin, bright orange; flesh deep orange; finely grained and excellent flavor. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Marblehead—A very good winter Squash; similar to the Hubbard, but flesh of a light, salmon color; a very good keeper. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Pike's Peak or Sibley—This Squash combines with fine grain, exquisite flavor and wonderful productiveness. The flesh is solid, thick and rich colored. The shell is hard and flinty, making it a good shipper. Oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Mammoth—This is the largest variety known, and in rich soil often grows to the weight of 150 to 200 pounds. Oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

TOBACCO SEED.

All the species of Tobacco are annual plants, and can be grown in more or less perfection wherever there is a summer. In the short, hot, dry summers of the North, the plant attains a smaller size than in the long, warm, moist summers of the South, though the quality and flavor is thought to be better. The seed should be sown very early in the spring, and as early as possible after the danger of frost is over. When the plants are about six inches high, transplant into rows six feet apart each way, and cultivate thoroughly with plow and hoe.

Price per Packet, 5 cents each.

Connecticut Seed Leaf—This variety is a staple crop. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Yellow Prior—A good variety for bright, yellow grades. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Big Oronoko—A favorite Virginia variety. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Gold Leaf—A cross between the Yellow Prior and Oronoko; good either for wrappers or fillers. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

White Burley—A western variety which produces one of the most fashionable types for manufacturing and cutting. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Missouri Broad Leaf—A well-known standard sort. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Havana—Commands a high price for cigar stock. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

TOMATO.

undertake to produce an early crop. For early use sow in February or March, in boxes or pots, and place near a window or in a hot bed. When about two inches high, prick them out singly in small pots, and nurse carefully in frames, and when the danger of frost is past, plant them out in a sheltered situation, where they may have the full influence of the sun. To hasten the maturity of the first fruit which sets, pinch off the extremities of the tops and all the secondary shoots which afterwards appear above the flowers.

Price per Packet, 5 cts. each.

Dwarf Champion—This is one of the most distinct and valuable Tomatoes of recent introduction. The foliage has a peculiar corrugated appearance, and is of a very dark green color. It is very early and wonderfully prolific. The fruit is of a glossy, dark purplish red, of medium size, perfectly round and smooth, and contains so few seeds that it is really more "meaty" than many Tomatoes twice the size. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Turner Hybrid or Mikado—This variety is a rank grower, with thick stalks and enormously productive. The fruit is extra large in size, round, smooth, very thick through and remarkably solid. The skin is thin but tough. Color is a deep brilliant red, but its hybrid origin is shown in the fact that occasionally some fruits are of a lighter color. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

The Volunteer—Large size, averaging six to ten ounces; round, very smooth and perfect in form; color, bright red. No core, very early. Enormously productive, ripening well to the stem. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Mayflower—This is the earliest large Tomato we know and of splendid shape, perfectly smooth, of a bright red color, and ripens uniformly up to the stem. The flesh is solid, free from seeds, and of a pure, rich flavor; in productiveness it is unexcelled. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Livingston's Beauty—This highly esteemed variety grows in clusters of four or five large fruits (on a strong vine), retaining its large size very late in the season. It ripens with the Acme or Perfection, which are as early as any good varieties. It is free from rot, and for shipping and early market it cannot be excelled, on account of its solidity, toughness of skin, and especially on account of its color, as it can be picked quite green, and will look well and ripen up nicely, while all strictly red varieties have a yellowish shade until quite ripe. It is a perfect beauty. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Livingston's Favorite—One of the largest, perfect shaped Tomatoes in cultivation; smoother than the Paragon, darker red than the Perfection, ripens evenly and as early as any good variety; holding its size to the end of the season; very prolific; bears shipping long distances. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Livingston's Perfection—Very large and very early; color blood red; perfectly smooth; has few seeds, is a good shipper and excellent for canning. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Acme—One of the earliest and handsomest; very productive; fruit of medium size; form perfect, round, very smooth; color dark purplish red; bears continually until frost; delicious in flavor, no core; a splendid market and canning variety. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Ignotum—This is one of the earliest and finest market Tomatoes grown. Very large, smooth and regular and extraordinarily solid, while the seed cavities are the smallest of any Tomato. It only averages one-half as many seeds as the ordinary sorts. It is also very productive and uniform, the last pickings being scarcely inferior to the best of the season. It is of a very handsome, deep red color, ripens perfectly up to the stem, and remarkably free from cracking and rotting. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Paragon—An excellent variety. In color it is of a bright, glossy crimson, while in all other respects it is similar to the Acme. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

The Trophy—Well-known; large, shining red; smooth; solid; very prolific and fine flavored. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

The Queen—Specially recommended for canning, and which is grown around Baltimore for this purpose; fruit somewhat resembles the Trophy in appearance. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Large Round Yellow (Golden Trophy)—Firm yellow flesh, with a clear, semi-transparent, yellow skin. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Yellow Pear-shaped—A good pickling sort; fruit handsome and solid. Oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Yellow Plum—Shape uniformly oval and perfectly smooth; color, lemon yellow; used for preserves. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Red Cherry—A small, round, red Tomato of the shape and size of a cherry; fine for pickling and preserves. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

Yellow Cherry—In form and shape same as above; color bright yellow. Oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

TURNIP.

French, *Navet*. German, *Weisse Rueben*. Spanish, *Nabo Coman*. 1 oz. to 150 feet drill; $\frac{1}{2}$ pounds to sow one acre. For spring crop, sow the Early Munich or the Ex. E. Milan or the Flat Dutch as early as the seed can be got into the ground, in fourteen inch drills, and thin to five or six inches. For the fall and main crop, sow from the middle of July to the middle of September, in drills, as directed for the spring sowing. In the field, turnips are more generally sown broadcast, though much the largest crops are obtained by drill culture. Land newly cleaned and burned over, and old pasture ground plowed two or three times during the summer, and well manured with thoroughly rotted manure or guano and ashes at the time of sowing, will produce the clearest and sweetest turnips. The sowing should always be done just before a rain, if possible, for the escape from the fly; and the success of the crop, in a great measure, depends upon quick germination, and a rapid and free growth at first.

Special Prices given on Large Quantities. Price per Packet, 5 cts. each.

Red, or Purple Top Strap-Leaved—The well known popular variety, either for family or market use; large size, white, purple above ground; flesh fine grained and rich buttery flavored. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large Red Top White Globe—One of the best varieties grown, of large size and very rapid growth; globe-shaped bulbs, with red or purple top; fine quality. Very handsome and attractive for market. Keeps well. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large White Globe—A very large, globe-shaped variety; one the best varieties for stock. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large Yellow Globe—Large, handsome, globular shape; very valuable for table use or stock. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

White Egg—A quick growing fall Turnip; should be sown in August; oval or egg-shaped; flesh very firm and fine grained; flavor mild and sweet. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Long White or Cow Horn—Flesh white, fine grained and sweet; used mostly for stock feeding. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Early Purple Top Munich—A German variety, remarkably handsome; very early, with a bright, purplish, red top, and a fine mouse-tail root; very distinct and valuable. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 65c.

Extra Early Purple Top Milan—This new strap-leaved variety is fully a week earlier than the Munich, which has heretofore been considered the very earliest. It is of medium size and flat shape; pure, white flesh, of excellent flavor; very small top and a good keeper. True. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Early Flat Dutch, or White Top Strap-Leaved—Standard variety, good marketable size, pure white, small top, with but few strap-shaped leaves. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Teltow, or Small Berlin—Very small, spindle-shaped roots; the rind has a peculiar flavor, and should not be taken off when used; esteemed for flavoring soups. Oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Sweet German—This variety partakes largely of the nature of the Rutabaga, and should be sown a month earlier than the flat turnips. The flesh is white, hard, firm and sweet, good for winter and spring use. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Seventop, or Turnip Winter Greens—Sow in September, to stand all winter, producing early in the spring an abundance of fine greens; the roots are worthless. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

RUTABAGA—SWEDISH TURNIP.

Ger., *Steckrueben*. Fr., *Chou Rutabaga*.

The Rutabaga, Swedish or Russian Turnip is extensively grown for a farm crop. The roots are close-grained, very hard, and will endure a considerable degree of cold without injury. The roots are best preserved in a pit or cellar during the winter. Sow from the 20th of June to the end of July, in drills two feet apart, and thin out to eight inches.

American Yellow-Purple Top—Very hardy and productive; flesh yellow, solid, sweet and fine flavored; equally good for stock or table use. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Skirving's Yellow-Purple Top—Flesh yellow, of solid texture; a very popular variety. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large White French—Flesh firm, white and solid; has a very rich and sweet flavor. Oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

SEEDS FOR SWEET HERBS. Etc., Etc.

Aromatic Herbs are those which possess medicinal as well as culinary properties, and should be found in every garden. They impart a pleasant, spicy odor, and are quite savory to the taste. To secure the herbs for use, cut them on a sunny day, and spread thinly in the shade to dry.

	Pkt.	Oz.
Anise (Ger., <i>Anis</i>).....	5	15
Balm (Ger., <i>Melisse</i>).....	5	35
Basil Sweet (Ger., <i>Basilicum</i>).....	5	25
Bene	5	15
Borage (Ger., <i>Gurkenkraut</i>).....	5	15
Caraway (Ger., <i>Kuennel</i>).....	5	10
Chervil (Ger., <i>Kerbel</i>).....	5	15
Coriander (Ger., <i>Koriander</i>).....	5	15
Dill (Ger., <i>Dill</i>).....	5	15
Fennel (Ger., <i>Fenchel</i>).....	5	15
Hoarhound	5	35
Lavender (Ger., <i>Spiklavendel</i>).....	5	25

	Pkt.	Oz.
Marjoram, Sweet (Ger., <i>Majoran</i>).....	5	25
Pimpernell (Ger., <i>Pimpernelle</i>).....	5	25
Rosemary (Ger., <i>Rosmarin</i>).....	5	35
Rue (Ger., <i>Raude</i>).....	5	20
Sage (Ger., <i>Salbei</i>).....	5	20
Saffron (Ger., <i>Safran</i>).....	5	15
Summer Savory (Ger., <i>Bohnenkraut</i>).....	5	25
Garden Sorrel (Ger., <i>Sauerampfer</i>).....	5	25
Sweet Thyme (Ger., <i>Thymian</i>).....	5	30
Tarragon (Ger., <i>Estragon</i>).....	25	—
Wormwood (Ger., <i>Wermuth</i>).....	5	50
Woodroof (Ger., <i>Asperula odorata</i>).....	10	75

PLANT SEED Co.'s

Select List of Flower Seeds.

We do not offer so large a list as many of our fellow-seedsmen, but our assortment contains the **best** and **choicest**, which are of **real value** and deserve to be cultivated, and which are best adapted for the Middle, Western and Southern States.

For the convenience of our customers, we have divided the different varieties into classes, viz: **ANNUALS, BIENNIALS, EVERLASTING FLOWERS, ORNAMENTAL CLIMBERS, ORNAMENTAL GRASSES, PERENNIALS** and **SEEDS FOR GREENHOUSE PLANTS**, and have arranged them alphabetically in botanical order (except in cases where they are better known by our American names), so that with a little care in examining this List no one will be guided wrong, but can select just the kind of seeds he needs, for any particular purpose.

Full directions of cultivation is printed on each paper.

~~13~~ We put up our Flower Seeds in papers in advance, and as a rule *we do not sell half papers*.

All Flower Seeds sent free by mail on receipt of price.

In ordering Flower Seeds it is only necessary to mention the number.

LIBERAL DISCOUNTS ON SEEDS IN PACKETS.

To induce our patrons to form Clubs to purchase **SEEDS** in quantity, we will offer the following **LIBERAL DISCOUNTS** on Flower Seeds in Packets:

Purchaser remitting \$1.00 may select Flower Seeds in Papers amounting to \$1.25	
" " 2.00 " " " " " "	2.50
" " 3.00 " " " " " "	3.75
" " 4.00 " " " " " "	5.00
" " 5.00 " " " " " "	6.25

The discount allowed is for Flower Seeds in Packets only, and not for Collections of Flower Seeds or Flower Seeds by weight.

ANNUALS AND BIENNIALS.

ANNUALS. Plants known as annuals are raised from the seeds, perfect their flowers, mature their seed the same season, and then perish; they are divided as follows: Hardy, half-hardy and tender. Hardy annuals are such as will bear a hard frost; half-hardy annuals will bear but little; tender annuals will not bear the frost at all.

BIENNIALS. Are those plants that flower the second, and sometimes the third year from the time the seeds are sown, and then perish.

A Collection of Annuals, in twelve different varieties (our own selection)..... \$0 40

A Collection of Annuals and Biennials, in twenty-five different varieties (our own selection)..... 75

Price per Pkt.

ABRONIA—A charming plant, with verbenalike heads, of sweetscented flowers; half-hardy annuals.

101—*Umbellata*. Rosy Lilac..... 5

ADONIS FLOWER (*Herbstroeschen*) Showy foliage.

102—*Autumnalis*. Crimson flower..... 5

AGERATUM—*Maudlin* (*Leberbalsam*). Hardy annual; curious heads of flowers.

103—*Mexicanum*. Blue and white mixed..... 5

ALYSSUM—*Rock Madwort* (*Steinkraut*). Very pretty little plants for edging, also used for bouquets.

104—*Sweet*. Flowers white and fragrant..... 5
Per oz., 20c.

Price per Pkt.

AMARANTHUS—*Amaranth* (*Fuchsschwanz*). Ornamental foliage plants, of a striking effect.

105—*Caudatus*—(*Love Lies Bleeding*)..... 5
Per oz., 20c.

106—*Cruentus*—(*Princess Feather*)..... 5

107—*Tricolor*—(*Joseph's Coat*)..... 5

108—*Choice Varieties*. Fine mixed..... 5

ANTIRRHINUM—*Snapdragon* (*Loewenmaul*). Very showy and well-known.

110—*Majus* (*Tall Snapdragon*). Fine mixed; 2½ feet, 5
Per oz., 40c.

111—*Tom Thumb* (*Dwarf Snapdragon*). Finest mixed; 8 inches high..... 10

Price per Pkt.

ANAGALLIS—(*Sauerkheil*). Ornamental for bedding; blooming all the season.

109—**Indica**. Fine Mixed..... 10

GERMAN ASTERS.

ASTER—*Chinensis* fl. pl. (*Astern*). This splendid class of plants is not only one of the most popular, but also one of the most effective of our garden favorites, producing in profusion flowers in which richness and variety of color are combined with the most perfect and beautiful form. For flower beds and mixed borders it stands unrivaled.

113—**Aster, Globeflowered German**. Fine Mixed..... 5

Per oz., 40c.

114—**Dwarf Pyramidal Bouquet**. Finest Mixed..... 10

115—**Dwarf Chrysanthemum-flowered**. Very good for pot culture; splendid mixture..... 10

115½—**Dwarf Chrysanthemum-flowered**. A collection in eight distinct colors; one packet each. 60

116—**Truffaut's Pæony-flowered Double Perfection**. This class represents the greatest perfection of all the Pæony-flowered Asters. All colors mixed..... 10

Choice Mixed, per oz., \$1.50.

116½—**Truffaut's Pæony-flowered Double Perfection**. A collection in eight distinct colors; one packet each..... 60

117—**Crown-flowered or Cocardeau**. The flowers have white centers, surrounded by scarlet, carmine, blue and many other colors. All colors mixed..... 10

118—**Rose-flowered**. A very robust variety, with large flowers double to the center. Fine mixed..... 10

119—**Lilliput-flowered Pure White**. The chief characteristics of this race are the diminutive size of its flowers and the abundance with which they are produced. They are exceedingly useful for all purposes in which cut flowers are required. It comes quite true from seed..... 10

DOUBLE BALSAMS.

LADY SLIPPER—The well-known Balsams, or Lady's Slippers, are one of the finest summer blooming annuals, free bloomers and highly colored. By transplanting them once or twice, the flowers are apt to be more double.

120—**Double**. Fine mixed..... 5

Fine Mixed, per oz., 35c.

121—**Double French Rose-flowered**. Magnificent double varieties; mixed..... 10

Fine Mixed, per oz., 75c.

121½—**Double French Rose-flowered**. A collection in eight distinct colors; one packet each..... 50

123—**Double White Perfection**. Flowers snow white, of immense size and solidity, thoroughly double..... 10

Per oz., 75c.

Aster—Truffaut's Perfection, No. 116.

Double Balsam, No. 121.

Coxcomb, No. 139.

Coxcomb, No. 140.

Price per Pkt.

BARTONIA—(*Bartonia*). A beautiful hardy annual.

124—**Aurea**. Golden yellow..... 5

BRACHYCOME—*Swan River Daisy*. (*Kurzschoepf*). Fine for edging.

125—**Iberidifolia**. Blue and white mixed..... 5

BROWALLIA—Very handsome plants, covered with rich, beautiful flowers; half-hardy.

125½—**Elata**. Mixed..... 5

CACALIA—*Tassel Flower* (*Pest-wurz*). Flowers in great profusion; exceedingly pretty.

126—**Sonchifolia**. Scarlet and yellow, fine mixed..... 5

CALANDRINA—Handsome, creeping plants; very suitable for baskets or rock work.

127—**Speciosa**. Mixed colors..... 5

CALENDULA—*Cape Marygold* (*Ringelblume*). Showy, free flowering plant, very pretty.

128—**Ranunculoides** fl. pl. Double, mixed..... 5

CALLIOPSIS—*Coreopsis* (*Wanzenblume*). Useful for beds, hardy annual.

130—**Choice Varieties**. Fine mixed..... 5

CALLIRHOE—*Nuttalia* (*Schoenquellblume*). A free flowering annual of trailing habit.

132—**Pedata**. Color, velvet purple, white eye; 2 feet..... 10

CAMPANULA—(*Glockenblume*). Very valuable on account of their fine habit and brilliancy of their flowers.

134—**Speculum, Venus' Looking-glass**. Mixed..... 5

135—**Speculum, fl. pl. Double Venus' Looking-glass**; blue..... 10

CANDYTUFT—*Iberis* (*Schleifenblume*). Very popular.

136—**White Rocket** (*Iberis amara*). Per oz., 15c.

137—**Different Colors**. Fine mixed... Per oz., 15c. 5

COXCOMB—Celosia.

CELOSIA—*Coxcomb* (*Hahenkamm*). Highly ornamental for decoration of the greenhouse and garden.

138—**Cristata Nana, Dwarf Coxcomb**. Finest colors mixed; 1 foot..... 5

139—**Coxcomb, Glasgow Prize, Tom Thumb**. Very fine dwarf sort, with dark leaves and crimson combs, distinct and constant..... 10

140—**Japonica** (*Japanese Coxcomb*). A branching variety, branches are scarlet or crimson, and the combs are delicately cut, often in pyramidal masses..... 10

141—**Pyramidalis**. Feathered; beautiful colors; fine mixed; 3 feet..... 10

CENTAURIA—*Centaury* (*Flockenblume*). Showy, free flowering plants.

142—**Cyanus—Corn Bottle**. All colors, fine mixed..... 5

143—**Moschata, Sweet Sultan**. All colors, mixed..... 5

CHEIRANTHUS—*Virginia Stock* (*Meerleukoje*). A pretty hardy annual; sweet scented; 6 inches high.

144—**Maritimus**. Red and white, mixed..... 5

CHRYSANTHEMUM—(*Goldblume*). One of the most showy and effective of summer flowering plants.

145—**Double Annual Varieties**. All colors mixed..... 5

CLARKIA (*Clarkie*). An old favorite, very pretty and free flowering; hardy annual.

146—**Finest Varieties**. All colors mixed..... 5

Price per Pkt.

- COLLINSIA** (*Collinse*). Very free bloomers; very showy; hardy annual.
147—Finest Mixed Varieties..... 5
COLLOMIA—(*Collomie*). A free-flowering annual.
148—Coccinea. Scarlet, flowers in clusters. 1 foot. 5
CONVOLVULUS, TRICOLOR MINOR—Dwarf Morning Glory (*Niedrige Winde*). A beautiful class of hardy annuals, affording a large, showy mass of flowers, from July to October.
149—All Colors. Mixed; 1 foot..... 5
 Per oz., 10c.
COSMOS—*Cosmea Bipinnata*. Plants 4 to 6 ft. high; literally covered in the autumn with large single flowers, resembling Single Dahlias. Colors range through shades of rose, purple, flesh, white, etc.
150—All Colors. Fine mixed..... 5
CREPIS—Hawkweed (*Habichtskraut*). Very showy in beds and borders; hardy annual.
151—Red and White. Fine mixed..... 5
CUPHEA (*Cupher*). A shrubby plant of great beauty, remarkable for the curious blossoms. Annual.
152—Purpurea. All colors, mixed; 2 feet..... 5
CYNOGLOSSUM—*Venus Navelwort* (*Garten Vergissmich*). A hardy annual; good for edging.
153—Light Blue and White, mixed. 9 inches..... 5
DATURA—Trumpet Flower (*Stechapfel*). These plants are strong growing, producing large trumpet-shaped flowers. Tender biennials.
154—Huberiana. Double; mixed. 4 feet..... 5

CHINESE PINKS—*Dianthus*.

The Pink family is so well known that hardly a garden is without them; their beautiful color, their fragrance and neatness, can hardly be surpassed; they are easily raised from seed, and delight in a mellow, sandy soil; all varieties are desirable, either for beds or massing.

- 155—Dianthus, Chinesis fl. pl.** Double Chinese Pink; extra fine; mixed. 5
 Per oz., 40c.

- 156—Hedwegii fl. pl.** Finest Double Hedwegii Pinks; mixed..... 10
 Per oz., 75c.

- 157—Laciniatus**. Flowers very large, deeply fringed; all colors; mixed 10

- 159—Diadematus fl. pl.** Diadem Pink. Of Dwarf compact habit, flowers very large, double; of various tints of rose, maroon and purple 10

- 160—Gardnerianus**. Sweet scented; fine; double..... 10

- EGG PLANT**, not edible (*Eierfrucht*). Ornamental, fruit-bearing plants, growing freely in rich, light, warm soil.

- 161—White-fruited**. Egg-shaped..... 5

- 162—Scarlet-fruited**. Handsome, dark green foliage..... 5

- ERYSIMUM—Hedge Mustard** (*Hederich*). Hardy annual, sweet scented, good for bouquets, etc.

- 163—Arkansum**. Light yellow..... 5

- ESCHSCHOLTZIA** (*Eschscholtzie*). Annual plants with showy flowers. Hardy annual.

- 164—Californica**. Bright yellow and white, mixed. 5
 Per oz., 20c.

- EUPHORBIA**—A hardy annual, with white and green leaves, giving it a variegated appearance.

- 165—Variegata**. Showy..... 5

Per oz., 25c.

Price per Pkt.

- GAILARDIA**—Blanket Flower (*Gailardie*). A striking looking class of plants, presenting quite a diversity of color. Fine for bedding.
166—Picta. Fine mixed colors..... 5
GAURA (*Prachtkerze*). Curious, with spikes of white and red tinted flowers.
167—Lindheimerii. Very pretty..... 5
GILIA (*Gillie*). Very pretty dwarf plants; free flowering. Admirably adapted for massing.
168—Tricolor. White, purple and androse; mixed, 1 foot... 5
 Per oz., 15c.
GODETIA (*Godettie*). Free-flowering annuals; fine for bedding; beautiful colors.
169—Finest Varieties. Mixed..... 5
 Per oz., 20c.
GYPSOPHYLLA (*Gypsokraut*). Pretty, free-flowering; fine for bouquets.
170—Elegans. Small, starry-purple and white flowers..... 5
HELIANTHUS—Sunflower (*Sonnenblume*). Well known; tall growing plants.
171—Nanus, fl. pl. Folies Variegatis. Fine double, with green and yellow variegated foliage..... 5
172—Macrophylus Giganteus. About 10 feet high, with but one large flower..... 5
HIBISCUS (*Eibisch*). Hardy annuals, with large showy flowers, highly ornamental.
173—Africanus. White, dark brown center..... 5
HONESTY—Satin Flower (*Atlasblume*). An old, but interesting flower. Biennial.
175—Lunaria Biennis. Purple; very showy..... 5

- IPOMOPSIS**—Very showy and beautiful plants, with long spikes of dazzling flowers.

- 177—Elegans**. Different colors mixed; 3 feet..... 10

- ICE PLANT** (*Eisplanze*). A most singular trailing plant, with thick, fleshy leaves, that have the appearance of being covered with crystals of ice. Hardy annuals.

- 178—Mesebrianthemum Crystallinum**..... 5

- JACOBÆA**—Hardy, free flowering border plants, of easy cultivation, with beautiful colored flowers.

- 179—Senecio Elegans**. Double; finest colors; mixed..... 5

- LARKSPUR**—*Delphinium* (*Rittersporn*). Very ornamental, generally known.

- 181—Double Dwarf Rocket**. Finest mixed, 1½ ft..... 5
 Per oz., 15c.

- 182—Double Branching Stockflowered**. All colors, fine mixed; 3 feet..... 5
 Per oz., 15c.

- LEPTOSIPHON** (*Duennroehre*). Very useful for edging, baskets or pot culture.

- 185—Different Varieties**. Fine mixed..... 5

- LINARIA**—Toadflax (*Frauentachs*). Flowers resembling the Snap Dragon; very useful for edging.

- 186—Bipartita**. Fine mixed..... 5

- LINUM**—Flax (*Flachs*). One of the most beautiful annuals for bedding or small groups.

- 187—Grandiflorum Rubrum**, Crimson Flax. Brilliant crimson flowers; very showy..... 5
 Per oz., 20c.

- LOBELIA** (*Lobellie*). All the Lobelias are suitable for beds, edgings, or ribbon borders, blooming profusely from June to September; the slender variety is useful also for hanging baskets, vases, etc.

- 188—Speciosa** (*Crystal Palace*). Beautiful large blue flowers, compact habit..... 10

- 189—Erinus**. Slender, blue and white mixed..... 5

Chinese Diadem Pink, No. 159.

LUPINUS—Lupins (*Lupine*). Vigorous growing plants; very ornamental and beautiful border flowers; colors rich and varied.

190—Finest Varieties. Mixed 5
Per oz., 15c.

MALOPE—(*Malope*). Very showy and beautiful, with mallow like flowers.

191—*Grandiflora*. Large flowering, crimson, purple and white mixed..... 5

MARTYNIA (*Gemsenhorn*). Very handsome, free flowering plants, curious and showy.

192—Different Colors. Fine mixed 5

MARIGOLD.

MARIGOLD—*Tagetes* (*Studentenblume*, *Sammetblume*). Well-known, free flowering plants, with handsome double flowers, of rich and beautiful colors.

193—African. Extra fine double mixed. 3 feet 5

194—Dwarf French. Extra fine double mixed. 1 foot..... 5

Per oz., 35c.

MARVEL OF PERU—Four O'clock (*Wunderblume*). Well-known, free flowering plants. Biennial.

195—*Mirabilis Jalapa*. Finest colors. Mixed 5

Per oz., 15c.

MATRICARIA—*Feverfew* (*Mutterkraut*). A hardy dwarf annual, well adapted for bedding or edging.

196—*Eximia fl. pl.* Fine double, white. 1½ feet 5

MIGNONETTE.

MIGNONETTE (*Resede*). A well-known favorite that continues to bloom and send forth its sweetness all the season, perfuming the whole region about the premises.

197—Large-flowering Sweet. 1 foot..... 5

Per oz., 10c.

198—Large-flowering Pyramidal. A pyramidal variety, very beautiful..... 5

Per oz., 15c.

199—Golden Queen. A very good and distinct Mignonette. It is stout growing, but forms compact tufts, and the whole plant has a golden glow, owing to the presence of yellow instead of red anthers..... 10

Per oz., 35c.

200—**MACHET**. A dwarf French variety, with broad spikes of very fragrant red flowers; one of the best for pots. Fine seed... 10

Per oz., 60c.

MIMULUS—Monkey Flower (*Maskenblume*). Extremely handsome flower of brilliant colors; fine for flowering in pots or baskets. Tender biennial.

201—Large-flowering, Choice Mixed. Finest sorts..... 10

202—*Moschatus*, Musk Plant. Well-known..... 10

Marigold, No. 194.

Mignonette, No. 198

Mimulus, No. 201.

Nigella, No. 205.

Double Portulacca, No. 221.

NASTURTIIUM DWARF—*Tropaeolum Nanum* (*Niedridge Kapuziner Kresse*). Very valuable and beautiful for bedding, massing or ribboning; close, compact growth, rich colored flowers, very ornamental. Half hardy annual.

203—Tom Thumb, Fine Colors, Mixed. 1 foot..... 5

Per oz., 15c.

NEMOPHYLLA (*Hainblume*). Free-flowering annuals; dwarf, comprising varied and beautiful colors; fine for bedding or edging.

204—Finest Colors Mixed. One half foot..... 5

Per oz., 10c.

NIGELLA (*Schwarzkuemmel*). Very interesting free-flowering plants, with curious looking flowers and seed pods. Hardy annual.

205—*Hispanica*, Love-in-a-mist. Mixed 5

206—*Damascena*, Devil-in-a-Bush. Mixed, 5

Per oz., 15c

NOLANA (*Zymbelblume*). Fine for rock-work, baskets, edging, etc. Hardy annual.

207—*Atriplicifolia*. All colors; fine mixed. 5

GENOTHERA—Evening Primrose (*Nacht Kerse*). A free-flowering class of plants for beds or borders. Hardy biennial.

208—Finest Varieties, Mixed. 2 feet..... 5

PERILLA (*Perille*). Ornamental-leaved plants, with black, purple-colored foliage.

213—*Nankinensis*. 2 feet high 5

POPPY—*Papaver* (*Gartenmohn*). Showy, free-flowering plants. Hardy annuals.

219—Carnation Flowered. Double mixed 5

Per oz., 15c.

PORTULACCA.

PORTULACCA—Flowering Rose Moss (*Portulak*). Portulaccas are unsurpassed for brilliancy and richness of color. They are adapted for beds, clumps, edgings, pots, vases or rock-work.

220—All Colors, Mixed..... 5

Per oz., 50c.

DOUBLE

PORTULACCA.

221—Portulacca, Large, Double-flowering Rose Moss (*Gefuelltes Portulakroeschen*). Saved from double-flowering plants, reproducing a large proportion of double flowers, in white, blood red, purple, crimson, orange, etc., resembling roses. Extra fine mixed 10

Per oz., \$3.00.

Price per Packet.

PANSY—Heartsease—*Viola Tricolor* or (*Stiefmuetterschen*). An old but universally admired plant, producing an endless variety of color, marking and texture; they may be treated as annuals, as they flower the first season from seed; 6 inches.
209—Fine Mixed. All colors..... 5

Per oz., 50c.

210—German Extra Choice. *Viola Tricolor Maxima*. Saved from finest named sorts, producing large flowers in great variety of colors..... 10

Per oz., \$1.50.

211—A collection of 8 beautiful varieties of choice Pansies, 1 pkt. each... 50

PETUNIA.

PETUNIA (*Petunia Tabak-blume*). The Petunia will flower the first season. Those sown in the house or hot-bed in April will bloom in June.

214—Hybrida. Fine mixed .. 5
 Per oz., 75c.

215—Hybrida Grandiflora. Beautiful large flowering varieties; fine mixed..... 10

216—Hybrida Flora Pleno, Double Large Flowering. The seed we offer was secured from one of the most reliable florists on the European continent. They will produce from 20 to 25 per cent. of splendid, large double flowers; fine mixed..... 25

RICINUS—Castor Oil Plant (*Wunderbaum*). Tall, stately growing plants, of tropical appearance and exceedingly ornamental. They are free growing, tender annuals of easy cultivation.

222—Choice Varieties. Fine mixed..... 5
 Per oz., 15c.

SALVIA (*Scharlachkraut*). Splendid plants for pot culture or borders, growing freely, and producing beautiful spikes of gay flowers. Hardy annual.

224—Coccinia splendens. Brilliant scarlet, 2 feet..... 5

PANSIES.

Pansy, No. 212½.

Petunia, No. 214.

Double Petunia, No. 216.

Price per Packet.

PANSY—Non Plus Ultra—Carefully selected, the richest mixture ever sent out, containing the finest blotched varieties in far the greater proportion. Highly effective.

211½—Very choice mixed..... 25

212—Odier or Blotched, superb large-eyed. These favorite Pansies have been much improved, the flowers, of very good shape, are beautifully blotched with red and varied colors..... 25

212½—Imperial German Giant Pansies. This entirely distinct and splendid new race is of vigorous and compact growth; the flowers are of refined shape and immense size hitherto unknown in the Pansy family.. 25

PHLOX.**PHLOX DRUMMONDII**

Drummond's Phlox (*Flammenblume*). These flowers are of extreme beauty, and are greatly admired by all; their long duration in bloom combined with their almost unequalled richness of color, renders them of invaluable service in the flower garden. Half-hardy annuals.

216½—CUSPIDATA—New, Star-Shaped. An extraordinary novelty of high merit. The center of each petal runs out into a point one-quarter to one-third of an inch beyond the edge, which gives the flowers a *regular starlike form*. The plant grows about 1½ feet in height, and is of compact habit. All colors fine mixed..... 15

217—Drummondii. Finest mixed..... 5

Per oz., 50c.

218—Drummondii, large flowering, extra mixed..... 10

218½—Drummondii, large flowering. A collection in eight distinct colors, one packet each..... 50

Ricinus, No. 222.

Phlox, No. 217.

Salvia, No. 224.

Price per Pkt.

SALPIGLOSSIS (*Trompetenzunge*). Beautiful blooming plants, with large mottled and veined flowers; excellent for bedding.

223—Large flowering. Extra fine mixed 5

SANVITALIA (*Sanvitalie*). A beautiful little plant for small beds, edgings or borders. Hardy annual.

225—Procumbens fl. pl. Double, large bright yellow 10

SAPONARIA (*Seifenkraut*). Pretty, compact-growing plants, producing masses of minute, cross-shaped flowers. Fine for bedding.

226—Calabrica. Rose and white mixed 5

SCABIOSA—Mourning Bride (*Wittweiblume*). A fine border plant, producing in profusion flowers in great variety of colors; fine for table bouquets.

227—Nana fl. pl. Dwarf, Double. Fine mixed 5

SCHIZANTHUS—(*Spaltblume*). Elegant, slender-branching, plants, with very conspicuous flowers, good for borders or pot culture. Half-hardy annuals.

228—Grandiflorus. Finest mixed 5

SENSITIVE PLANT (*Schamnpflanze*) Curious and pretty.

229—(*Mimosa Pudica*) 5

SILENE—Catchfly (*Leimkraut*). Suitable for the open border or rock work. Hardy annuals.

230—Armeria. Different colors, fine mixed 5

GERMAN TEN WEEK STOCKS.

STOCKS—Gillyflower (*Leukoyen*). The Ten Week Stocks are exceedingly valuable plants, producing an abundance of flowers of various colors and tints, and of the most delicate fragrance. Well-known.

231—German Ten Week. Fine double mixed 5
Per oz., \$1.25.

232—German Ten Week, Large flowering. Finest double mixed; 1 foot 10
Per oz., \$2.50.

232½—German Ten Week, Large-flowering. A collection in 8 distinct colors; 1 pkt. each. 50

233—TEN WEEK "SNOW-FLAKE" (Dwarf Wall-flower leaved, large flowered). The "Snowflake" is admirably adapted for forcing and produces a vigorous main spike of uncommonly large and very double snow-white flowers 25

233½—BRANCHING TEN WEEK WHITE DRESDEN PERPETUAL—Very beautiful, large spikes; splendid for cutting 15

234—German Early Autumn-flowering or Intermediate (*Herbstleukoyen*). Will bloom in fall if sown early; 1½ feet. Fine mixed 15

234a—Intermediate White 15

234b—Intermediate Scarlet 15

235—German Winter or Brompton (*Winterleukoye*). Extra fine double, mixed; 1½ feet 15

Mourning Bride, No. 227.

Ten Week Stock, No. 232.

Verbena, No. 238.

Zinnia Double, No. 246.

Price per Pkt.

TAGETES SIGNATA—A delicate fern-leaved plant, with bright yellow blossoms, striped with reddish brown. Half-hardy annual.

236—Pumila. About one foot high. 5

VERBENAS.

VERBENA (*Verbene*). The brilliancy and great variety of color render it one of the most valuable of plants, both for bedding and pot culture.

237—Hybrida. Fine mixed 5
Per oz., 75c.

238—Hybrida. Choicest Mixed. From named sorts 10
Per oz., \$1.50.

239—Hybrida Coccinea Folliis Aureis, Golden-Leaved Verbena. Charming pretty variety, with golden yellow foliage and vivid scarlet flowers. Strikingly beautiful, especially at the end of the summer and during the autumn. It comes quite true from seed 20

VISCARIA—Rose of Heaven. Adapted either for beds, edgings or clumps; their profuseness of bloom will always rank them among general favorites. Hardy annuals.

241—Oculata. Fine mixed; 1½ feet, 5

WALLFLOWER (*Goldlack*). Useful and ornamental class of plants, very fragrant.

242—Fine Single Mixed. 2 feet 5

243—German Extra Double, tall sorts. Fine mixed 15

243½—German Extra Double, dwarf sorts. Fine mixed 15

WHITLAVIA—Very effective for bedding, ribboning, or mixed borders.

244—Grandiflora. Fine violet blue 5

DOUBLE ZINNIA.

ZINNIA DOUBLE—Youth and Age (*Gefuellte Zinnie*). A grand genus of autumn flowering plants, combining the greatest richness and diversity of color, with unequalled profusion and duration of bloom. Half-hardy annual

246—Elegans fl. pl. Extra Double. Finest colors, mixed; 2 feet 5
Per oz., 35c.

WILD FLOWER SEED.

The introduction of these has proved a most marked success. It is a mixture of over seventy-five varieties of hardy flower seeds, and being mixed together can be offered at a much less price than when sold in separate quantities. Splendid Mixture 5
Per ½ oz., 15c.; Oz., 25c.

SEEDS FOR CLIMBING PLANTS.

This class of plants is very important. The strong growing varieties can be made in a short time to cover fences, walls and buildings, and gives both beauty and shade; those of more delicate growth are very valuable for low screens, baskets and other decorative purposes.

Seeds for Climbing Plants, a collection of eight different varieties, 1 Packet each, our own selection\$0 30

	Price per Pkt.
300— <i>Ampelopsis Veitchii</i> (Japan Creeper). ("Boston Ivy.") Leaves small and overlap one another, forming a dense sheet of green, requires protection the first winter.	10
ARISTOLOCHIA—Dutchman's Pipe. A quick-growing climber, attaining a height of 30 feet, with large heart-shaped foliage.	10
301—Sipho. Hardy perennial.	10
BALLOON VINE— <i>Cardiospermum</i> (Herzsaamen).	5
302—Love in a Puff. Very curious looking seed.	5
BALSAM APPLE (<i>Momordica Balsamina</i>).	

303—Fine for trellises, fences, etc.	5
Per oz., 20c.	
304—Pear (<i>Momordica Charantiaca</i>)..	5
Per oz., 20c.	
CANARY FLOWER— <i>Tropæolum Peregrinum</i> . Well-known climber. Half-hardy annual. 15 feet.	
305—Canary Flower. Bright yellow, fringed.	10
COBÆA (<i>Cobæa</i>). A rapid-growing climbing plant.	
306—Scandens. Large purple, bell-shaped flowers.	10
CYPRESS VINE— <i>Ipomea Quamoclit</i> . A tender climbing annual. Well-known.	
307—Scarlet. 15 feet.	5
Per oz., 20c.	
308—White. 15 feet.	5
Per oz., 25c.	
309—Scarlet, Rose and White. Mixed.	5
Per oz., 20c.	
DOLICHOS— <i>Hyaacinth Bean</i> . Quick-growing climbers, flowers in clustered spikes.	
310—Fine Purple and White. Mixed.	5
GOURDS, ORNAMENTAL (<i>Zierkuerbisse</i>). A very useful class of plants for covering old trees, walls, fences, arbors, etc.	
311—Nest-Egg Gourd.	5
312—Orange, Mock Orange.	5

GOURDS—Continued.

313—Powder-horn.	5
314—Dipper Gourd.	5
315—Hercules Club.	5
316—Sugarthrough, immense size.	5
318—Small Fruited Gourds. Fine mixed.	5
Per oz., 20c.	
MAURANDIA—Adapted for house or garden culture.	
319—Different Colors. Fine mixed.	10

MORNING GLORY (*Trichterwinde*). Well-known.

320—Finest Colors. Mixed.	5
Per oz., 15c.	

MOONFLOWER—Or Evening Glory. Bears large white flowers, five to six inches in diameter, the flowers open at dusk or earlier on cloudy days, and are deliciously fragrant. The vines make very rapid growth, often attaining a height of 25 feet in one season.

321—White.	10
SWEET PEAS— <i>Lathyrus Odoratus</i> (<i>Wohlrichende Wieke</i>). Well-known.	
322—Flowering Peas. All colors; fine mixed.	5
Per oz., 10c.; ¼ lb., 25c.; lb., 75c.	
323—Eckford's English Hybrids. This strain is celebrated all the world over.	10
Per oz., 20c.	

TALL NASTURTIUM—*Tropæolum Majus* (*Rankende Kapuziner Kresse*). Very useful climbers.

324—All Colors. Fine mixed.	5
Per oz., 15c.	

THUNBERGIA—Ornamental free-blooming climbers; with handsome foliage and much admired flowers.

325—Finest Colors. Mixed.	10
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PHASEOLUS—Running Flowering Beans (*Tuerkische Feuer Bohne*).

326—Multiflorus, Scarlet Runner.	5
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Sweet Peas, No. 322.

317—DISH CLOTH GOURD. A natural dishcloth, and a most desirable one, is furnished by the peculiar lining of the fruit, which is sponge-like, porous, very tough, elastic, and durable. Many ladies prefer this dishcloth to any. The fruit grows about 2 feet in length, vine is ornamental, producing clusters of yellow blossoms, in pleasing contrast with the silvery-shaded, dark-green foliage.

Pkt., 10c.

Tall Nasturtium, No. 324.

EVERLASTING FLOWERS AND GRASSES.

The Everlasting
Flowers and Or-
namental Grasses

retain both form and color for years, and make excellent bouquets, wreaths and every other desirable winter ornament. The flowers should generally be picked as soon as they expand, or a little before, and hung in small bunches, and so that the stem will dry straight.

Seeds for Everlasting Flowers, a collection of six different varieties (our own selection) \$0.25
Seeds for Ornamental Grasses, a collection of six different varieties (our own selection)..... .25

Acrolinium, No. 401.

Elichrysium, No. 404.

Globe Amaranth, No. 405.

Rodanthe, No. 407.

Price per Pkt.

- ACROLINIUM.** Very elegant and pretty.
401—Roseum. Rose and white mixed. 1 foot..... 10
AMMOBIUM. Very desirable.
403 Alatum. White, very pretty; 2 feet..... 5
ELICHRYSUM—Everlasting Flowers (*Strohblumen*).
Very ornamental, and much admired when dry.
404—Monstrosum fl. pl. Fine double mixed; 3 feet... 5
Per oz., 50c.
GLOBE AMARANTH—*Gomprena Globosa* (*Kugelamaranth*). Very well-known.
405—All Colors Mixed..... 5
Per oz., 40c.
HELIPTERUM—Pretty Everlasting. Producing large clusters of yellow flowers.
406—Sanfordii..... 5
RODANTHE. Well-known, very pretty for bouquets.
407—Finest Varieties Mixed..... 10
STATICE. Free-flowering; remaining long in beauty.
408—Hybrida. Purple, yellow white, etc., fine mixed. 5
XERANTHEMUM (*Papierblume*). Very showy.
409—Plenissimum. Extra double, fine mixed..... 5
Per oz., 40c.

ORNAMENTAL GRASSES.

Price per Pkt.

- 420—*Agrostis Pulchella*. Feathery; 1 foot..... 5
421—*Avena Sterilis* (*Animated Oats*). 2½ feet..... 5
422—*Brica Maxima*, Quacking Grass..... 5
423—*Briza Gracilis*, Slender Quacking Grass..... 5
424—*Brizopyrum Siculum*. Shining green leaves... 5
425—*Bromus Brizæformis*. A hanging grass; 1 foot. 5
426—*Chrysurus Cynosuroides*. Yellow spikes; 1 foot 5
427—*Coix Lacrimæ*. Job's Tears. 2 feet..... 5
428—*Eragrostis Elegans*. Graceful habit; 1 foot.... 5
429—*Gynerium Argenteum*, Pampas Grass. The most noble grass in cultivation; 10 feet..... 5
430—*Hordeum Jubatum*, Squirrel Tail Grass. Lovely; purplish plumes; 3 feet..... 5
431—*Lagurus Ovatus*, Hare's Tail Grass..... 5
432—*Pennisetum Longistylum*. Graceful..... 5
433—*Stipa Pinnata*, Feather Grass. Beautiful.... 5
434—*Tricholena Rosea*. Beautiful rose-tinted grass; 2 feet..... 5

SEEDS FOR PERENNIALS.

vive the winter without special care. Some come into flower early in the spring, some in summer and some in autumn.

Seeds for Perennials, a collection of eight different varieties, one Packet each, (our own selection)..... \$0.50

Price per Pkt.

- ADLUMIA**—Mountain Fringe. Hardy climbing plant, 12 to 18 feet high. Foliage ornamental.
501—*Cirrhusa*. Flowers in fringy clusters; white..... 10
ADONIS—Perennial Adonis Flower. Flowers early in season.
502—*Vernalis*. Yellow; 1 foot..... 5
CAMPANULA—Canterbury Bells (*Glockenblume*). Well known.
505—Medium fl. pl. Double Canterbury Bells. All colors mixed; 2 feet..... 10
506—Medium, Single Canterbury Bells. Blue and white mixed; 2½ feet..... 5
CANNA—Indian Shot (*Blumenrohr*). Highly ornamental, handsome foliage, brilliant flowers.
507—Finest Varieties, Mixed..... 5
507½—Dark-leaved Varieties. Splendid mixed..... 10

Carnation, No. 509.

Price per Pkt.

- CARNATIONS** (*Nelken*). Well-known favorites; the flowers are large, fragrant, with colors extremely rich and beautiful. The seeds we offer were saved from the finest German collections.
508—Fine Double Mixed. Fine for borders..... 10
509—Choicest Double. Extra fine, saved from excellent double flowers..... 25
CLEMATIS—Handsome hardy climbers for training on walls, trellises, etc., or drooping over rock-work. 6 to 12 feet.
509½—Large Flowering. Superb mixtures from finest varieties..... 10

Price per Pkt.

- COLUMBINE**—*Aquilegia* (*Akeley*) Very pretty; general favorites.
- 510—Double** (*Aquilegia Vulgaris fl. pl.*) Different colors, fine mixed..... 5
- DAHLIA** (*Georginen*). A well-known tender perennial.
- 511—Double**. Finest mixed, from select varieties..... 15
- 511½—Single**. Exceedingly beautiful, saved from a fine collection; mixed..... 15
- DAISY**—*Bellis Perennis fl. pl.* (*Tausendschoenen*). A well-known, pretty, hardy perennial; will bloom the first season if sown early.
- 512—Double**. Finest colors, mixed; 4 inches..... 10
- DIGITALIS**—*Foxglove* (*Fingerhut*). An old, well-known perennial.
- 515—Purpurea**. Fine colors; mixed..... 5
- FRENCH HONEYSUCKLE**—*Hedysarum* (*Hahnenkopf*). Well-known, blooming freely the first season from seed.
- 516—Finest Mixed**. White and red..... 5
- HOLLYHOCK**—*Althaea Rosea* (*Stockrosen-Malven*). An old favorite variety with many; well-known.
- 518—Extra Double**. Very choice; fine mixed..... 10
- LYCHNIS** (*Feuernelke*). Striking and handsome.
- 520—Caledonica**. Scarlet and white, mixed; 2 feet..... 5
- MYOSOTIS**—*Forget-me-Not*. If sown early, will bloom the first season.
- 521—Palustris**. Blue with yellow; 8 inches..... 10
- PAPAYER**—*Perennial Poppy* (*Perennirender Mohn*). Very bright and showy.
- 522—Finest Varieties**. Brilliant colors; mixed..... 10
- PEAS, EVERLASTING**—*Lathyrus latifolius* (*Bouquet-wicke*). Flowers in large clusters, resembling the Sweet Peas.
- 523—Perennials, all Colors, Mixed**. 10 feet..... 10
- PENSTEMON** (*Bartfaden*). The long spikes of their tubular flowers are very ornamental.
- 524—Different Varieties, mixed**. 2 feet..... 5
- PHLOX**—*Perennial Phlox* (*Perennirender Phlox*). One of the finest herbaceous perennials for beds or mixed borders.
- 525—Perennis**. Finest colors mixed; 2½ feet..... 15

Hollyhock, No. 518.

Price per Pkt.

- PHEASANT-EYE PINK** (*Feder Nelke*). The well-known Garden Pink. The flowers are deeply fringed or feathered, white or pink with dark eyes.
- 526—Single**. Finest colors, mixed..... 5
- 527—Double**. Finest colors, mixed..... 15
- POLYANTHUS**—*Primula elatior*—*English Primrose* (*Schlueselblume*). A beautiful class of dwarf growing plants, about 8 inches high; well-known.
- 528—Fine Mixed**..... 10
- PRIMULA—AURICULA**—*Garden Primrose* (*Aurikeln*). A garden favorite of great beauty. Half-hardy perennial.
- 529—English Hybrids**. Large flowering. Finest named sorts, mixed..... 15
- PRIMULA JAPONICA**—This beautiful Primrose grows about 1½ feet in height, producing from its tuft of robust leaves a stem bearing four or five separate tiers or whorls of charming flowers; each flower being an inch in diameter.
- 530—Japonica** (*Japan Primrose*). Finest colors; mixed..... 10
- PYRETHRUM**—This family contains the well-known "Golden Feather," a low growing plant, with yellow foliage, for ribbon beds, edgings, etc.; also the *Pyrethrum*, from the flowers of which the "Persian" insect powder is made.
- 531—Aureum, Golden-Feathered, Lawn Feverfew**. Golden foliage; dwarf, compact habit; very desirable both for bedding and ribbon gardening..... 10
- 531½—Roseum**. (Persian Insect Powder Plant). When grown in California it is called "Buhach." Rose color..... 10
- ROSE CAMPION**—*Agrostema Coronaria* (*Lichtnelke*). Exceedingly handsome, free-flowering.
- 532—Rose-colored**. 1½ feet..... 5
- SWEET ROCKET**—*Hesperis* (*Nachtviole*). Early flowering and free growing.
- 533—Purple and White, Mixed**. 1½ feet..... 5
- SWEET WILLIAM**—*Dianthus Barbatus* (*Bartnelke*). Well known hardy perennial.
- 534—Fine Mixed**. Finest colors..... 5
- Per oz., 40c.
- 535—Double Flowering**. Finest colors, mixed..... 10
- VIOLA**—*Sweet Scented Violet* (*Veilchen*). Well known plant, suitable for edgings, groups etc.
- 536—Odorata**. Blue and White mixed. 6 inches..... 10

SEEDS FOR GREENHOUSE PLANTS.

The following list contains only such varieties as are indispensable to the greenhouse or conservatory, some of which can also be planted out in the garden during the summer, to be taken up in autumn and kept in a greenhouse or conservatory over winter. Although our list is small, the seeds offered are obtained from the best collections of the European continent, and we recommend them as first-class in every respect.

Seeds for Greenhouse or Conservatory Plants, a collection of eight varieties (our own selection).....\$1.25

Price per Pkt.

- 601—Begonia, Tuberosa Rooted**. These Begonias are of easy culture, and are exceedingly useful in producing brilliant masses of coloring on lawns, etc., as well as for the decoration of the Conservatory or Greenhouse, for which purpose no other genus is more suitable. Choice varieties mixed..... 15
- 602—Cactus**. Curious and interesting; magnificent flowers of brilliant and striking colors. Finest varieties mixed..... 25

Calceolaria, No. 603.

Price per Pkt.

- 603—Calceolaria Hybrida Grandiflora**. Flowers large, elegant and showy; finest colors mixed..... 25
- 604—Camellia Japonica fl. pl.** (*Japonicas*). Fine double, mixed..... 25
- 605—Centaurea Candidissima**. A splendid silvery-leaved plant for beds, ribbons, vases, basket and pots..... 10
- 606—Centaurea Gymnocarpa**. A very graceful, fine-cut, silvery gray foliage variety; 18 inches high..... 10

CINNERARIA—Magnificent flowering plants for conservatories, etc., in the winter and spring. The flowers of the *Grandiflora* or Large Flowering type, measure two inches across, are of white, blue, violet, crimson, etc., covering the plant with a sheet of bloom. 1 foot.

- 607—**Hybrida**. Large flowering, finest colors mixed... 20
 608—**Cianthus Dampieri**. Splendid class of plants, with brilliant scarlet, black centered flowers, very beautiful... 20
 609—**Coleus**. Very popular as a Greenhouse as well as a bedding plant. Finest varieties mixed... 20
 610—**Cyclamen Persicum**. Beautiful winter and spring blooming bulbous plants, sweet scented; fine mixed... 25
 610½—**Chrysanthemum Indicum**. The well known Autumn flowers. Choice colors mixed... 20
 611—**Ferns**. Well known and highly appreciated. Finest varieties mixed... 20
 612—**Fuchsia—Ladies' Ear Drops**. Finest single and double varieties, mixed... 25

- 613—**Geranium Zonale**. Fine colors of this popular and well-known plant, mixed... 10
 614—**Gloxinia Hybrida**. The very finest and choicest varieties, mixed... 20
 615—**Heliotrope**. Very popular, fragrant, fine mixed... 10
 616—**Lantana**. A fine bedding plant; different colors, mixed... 10
 617—**Passiflora cœrulea**, or **Passion Flower**. A splendid climber with curious flowers... 10

Chinese Primrose.

PRIMULA—Chinese Primrose (*Chineser Primeln*). A charming, profuse flowering plant, indispensable for winter and spring decoration and a universal favorite. Our seeds are imported from one of the best growers in Europe,

- 618—**Chinensis Fimbriata Rubra**. Red fringed... 25
 619—**Chinensis Fimbriata Alba**. White fringed... 25
ROSES. Too well known to require any description.
 620—**Bengals, Tea, Hybrid, Perpetual and Bourbon**. Finest mixed... 10
 622—**Smilax** (*Myrsiphyllum Asparagoides*). An elegant twiner. Used extensively for bouquets and floral decorations of every description... 10
VINCA. A beautiful Greenhouse perennial, much liked by florists.
 623—**Rosea**. Rose and White mixed; about 2 feet high... 10

SUMMER FLOWERING BULBS.

The Summer Flowering Bulbs are a most useful and brilliant class of flowers, and are becoming more popular every year, both among florists and amateurs everywhere. Bulbs will not be forwarded until severe frosts are over, so that there will be no danger of injury on the way. When bulbs are ordered with seeds, the seeds will be forwarded at once, and bulbs as soon as the weather will permit.

ELEPHANT EAR.

Caladium Esculenta.

The Caladium is one of the handsomest of the ornamental leaved plants. Roots obtained in the spring will make good plants in the summer, and in the fall they should be taken up and stored in the cellar. Leaves three feet or more in length, nearly as broad. There is nothing so good as the Caladium Esculenta for a grand bed of foliage in the garden or on the lawn.

Good Roots each, 20c.; per doz., \$2.00
 Extra Large Roots " 40c.; " 4.00

If by mail, add 5c. resp. 10c. each to prepay postage.

Elephant Ear.

MADEIRA VINE ROOTS.

The Madeira Vine is a beautiful climber, with thick, glossy, light green, almost transparent leaves, and climbing twenty feet or more and twining any desired form. Plant the tuber out of doors in the spring, and it will commence to grow at once. The flowers are white, small, in long racemes. When planted in the garden, to produce rapid growth and plenty of flowers, give it a sunny situation.

Price, per pound, 25c.

If wanted to be sent by mail, add 10c. per pound to prepay postage.

GLADIOLUS.

This magnificent family contains hundreds of varieties, comprising all imaginable colors, shades and

variegations, from the most gorgeous and dazzling to the softest and most delicate shades. They deserve to be grown in every garden, no matter how large or small. For cutting they are invaluable, the flowers lasting in water a week. They can be planted at any time from May to July 15th, and never fail to flower the same season, they grow in any garden soil, commence blooming in July, and by successive plantings every two weeks, can be had in flower the entire season.

GLADIOLUS BULBS IN MIXTURES.

If desired by mail add 10c. per dozen for postage.	Per doz.	Per 100
White and Light Varieties Mixed.....	60c.	\$4.00
Striped and Variegated Varieties Mixed.....	60c.	4.00
Pink Varieties Mixed.....	50c.	3.50
Red and Scarlet Varieties Mixed.....	30c.	2.00
Yellow Varieties Mixed.....	60c.	4.00
Scarlet and Pink, with White Throats, Mixed.....	75c.	5.00
Lemoine's Butterfly Varieties.....	60c.	4.00
All Colors Mixed.....	30c.	2.00

TUBEROSES.

The Tuberose is a beautiful, pure white, wax-like, very sweet scented, double flower, growing on tall stems, each stem bearing a dozen or more flowers. In cold latitudes, obtain tubers early, plant them in boxes of earth, and keep in a warm place in the house; when warm weather transplant to the garden. Those who want this beautiful flower in the early winter can plant a few bulbs in pots in July or August, sink them to the

rim in earth in the garden, where they can remain until the cool nights of autumn, to be then removed to the house.

DOUBLE PEARL TUBEROSES.

Grows only twenty to twenty-four inches high. Flowers are imbricated like a double Camellia, very large.

Extra Size Bulbs—Each, 5c.; per doz., 50c.; per 100, \$3.00.

TALL DOUBLE TUBEROSES.

Extra Size Bulbs—Each, 5c.; per doz., 50c.; per 100, \$3.00.

It wanted to be sent by mail, add 15c. per doz., to prepay postage.

CINNAMON VINE ROOTS.

A beautiful climber, which possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and very appropriately called the "Cinnamon Vine." Perfectly hardy, the stem dying down every autumn, but growing again so rapidly in the spring as to completely cover any trellis or arbor very early in the season. It is as easily cultivated as the Madeira Vine, has no insect enemies.

Roots—Price, 15c. each; \$1.25 per dozen. If by mail add 15c. per dozen to prepay postage.

Gladiolus Plant.

DOUBLE DAHLIAS.

The Dahlia is the grandest autumn flower we have. Nothing is its equal in any respect in September and October. It is in its glory when everything else is faded or fading, and surrenders only to the Frost King. Plant tubers when the season becomes warm, covering the neck three inches. If many shoots start, thin them out.

As the Dahlia is a fall flower, there is no need of planting before about the beginning of May, or even later.

Double Dahlias—Assorted colors; each, 20c.; per dozen, \$2.00.

If by mail add at the rate of 35c. per dozen to prepaid postage.

CANNA, OR INDIAN SHOT.

The Canna is a fine foliage plant, making a good bed alone, but particularly desirable as the center of a group of foliage plants, for which it is one of the best, growing from three to six feet. The leaves are large, glossy green, tinted with red, purple or brown, and with showy spikes of flowers in various shades of red and yellow.

Assorted varieties, per dozen, \$2.00; each, 20c.

If by mail, add at the rate of 30 cents per dozen, to prepaid postage.

Imported Dutch Bulbs.

In fall we have a complete and well selected assortment of *Dutch Bulbs*, our own importation, direct from the best Bulb growers in Holland, and they are always No. 1 quality.

Our assortment consists of *Hyacinths*, *Anemones*, *Crocus*, *Narcissus*, *Lilies*, *Crown Imperials*, *Snowdrops*, *Anemones*, etc., etc., all of which should invariably be planted in fall.

Bulb Catalogues and Price List ready in September and mailed free to all applicants.

BOWKER'S FOOD FOR FLOWERS.

An excellent fertilizer for house plants. Clean to handle, without odor, produces rich, green growth and profusion of flowers, if used according to directions which accompany each package. Small package, 15c., or by mail, 20c. Large package, enough for twenty plants, six months, 25c., or by mail, 40c.

JAPAN LILIES.**Our Own Importation.**

The most desirable of all lilies for general cultivation; the varieties are distinct, graceful, beautiful and free-blooming. They are hardy, needing very little protection, and will grow and flower without any special treatment.

Lilium Japonicum Rubrum—Red Spotted, Japan Lily, strong flowering bulbs; each, 25c.; per doz., \$2.50.

Lilium Japonicum Album—White Spotted Japan Lily, strong flowering bulbs; each, 30c.; per doz., \$3.00.

Lilium Auratum—(The Golden Banded Lily of Japan). Immense white flowers, each petal marked with a wide gold band and spotted with maroon; very free blooming. It is considered by many the finest of them all. Strong flowering bulbs; each, 30c.; per doz., \$3.00.

If wanted to be sent by mail, add at the rate of 40 cents per dozen to prepaid postage.

CHINESE PÆONIES.

Magnificent hardy plants, almost rivaling the Rose in brilliancy of color and perfection of bloom. They thrive in almost any soil or situation, and when planted in large clumps on the lawn make a magnificent display of flower and foliage. Some of the varieties are very fragrant.

They are perfectly hardy, require little or no care, and produce larger and finer blooms when well established. The varieties offered embrace the best contrasting colors.

Pæonia Rubra. Double red, changing to blush; each, 30c.

Pæonia Rosea. Double crimson, changing to rose; fragrant; each, 30c.

Pæonia Alba.—Double large white; each, 40c.

Per dozen, Assorted Colors, \$3.00.

If by mail, add at the rate of 40c. per dozen to prepaid postage.

GRASS AND CLOVER SEEDS.

Terms: Cash with Order. Two-Bushel Bags, Twenty Cents Extra Each.

Express or Freight charges always to be paid by the purchaser, except if to be sent by mail, and sufficient money is sent to prepay postage. On account of the early publication of this Catalogue, we cannot bind ourselves to the prices given on Clover and Grass Seeds—these are market articles, and prices are subject to variation; but purchasers may depend on having them at the price ruling from store the day of shipment, and of the best quality, and that we always will send as much seed as the money received will pay for. We sell half bushels and pecks at bushel rates.

GRASS SEEDS.

who are not conversant with the subject we would recommend our mixtures, which are expressly prepared for different purposes and classes of soils.

Kentucky Blue Grass.

English Rye Grass.

Italian Rye Grass.

Johnson Grass.

Meadow Fescue.

Crested Dogtail Grass (*Cynosurus cristatus*).—This Grass may be advantageously sown on lawns and other places to be kept under by the scythe. The roots penetrate deeply, from which circumstance it remains longer green than any other variety. Sow twenty to twenty-four pounds to the acre. Weight, 16 lbs. per bushel. Per bush., \$5.00; lb., 35c; lb., postpaid, 45c.

Creeping Bent Grass (*Agrostis stolonifera*).—Very valuable for lawns, also well adapted for permanent pastures, especially in moist situations. Sow twenty to twenty-five pounds per acre. Weight, 14 lbs. per bushel. Per bush., \$2.50; lb., 20c.; lb., postpaid, 30c.

English Perennial Rye Grass (*Lolium perenne tenue*).—A highly esteemed Grass in Europe, either for lawns or pasture. On good soil it yields a large return of valuable forage. For pasture, sow about two bushels to the acre, and for lawns about three to four bushels. Weight, 20 lbs. per bushel. Per bush., \$2.00; lb., 15c.; lb., postpaid, 25c.

Hard or Evergreen Fescue (*Festuca duriuscula*).—The Hard Fescue may be classed among the best Grasses for general purposes. Well adapted for sheep pasture. Sow from twenty-five to thirty pounds to the acre. Weight, 14 lbs. per bushel. Per bush., \$1.75; lb., 20c.; lb., postpaid, 30c.

Hungarian Grass (*Panicum germanicum*).—A valuable forage plant. Sow broadcast at the rate of twenty to thirty pounds to the acre, and cultivate the same as Millet. Weight, 48 lbs. per bushel. Per bush., \$1.00; lb., 10c.; lb., postpaid, 20c.

Italian Rye Grass (*Lolium italicum*).—This variety is similar to the English Rye Grass. It is very nutritious and valuable for pastures, especially for early sheep feeding; also excellent for lawns. Sow fifty pounds to the acre. Weight, 20 lbs. per bushel. Per bush., \$2.00; lb., 15c.; lb., postpaid, 25c.

The following are the most valuable for agricultural and other purposes, and as a guide to those who may wish to make their own selections we give a few particulars respecting their habit and use; but to those

Johnson Grass (*Sorghum halepense*).—A perennial, a rapid grower, long, cane-like roots, the leaf, stalk and panicle of this Grass resembles those of other Sorghums. It grows on any land where corn will grow, and, like corn, will bear heavy manuring, yielding richly in rich ground. One and a half bushels will sow an acre. Weight, 25 lbs. per bushel. Per bush., \$2.25; lb., 15c.; lb., postpaid, 25c.

Kentucky Blue Grass (*Poa pratensis*).—This is the best pasturage, succeeding finely on hill lands, and producing the most nourishing food for cattle, retaining its quality to a late period in winter, and farther South affording abundant food throughout the winter. In combination with white Clover it forms the finest and closest lawns; for this purpose, an extra quantity of seed should be used—say four bushels of Blue Grass and two pounds of White Clover per acre. If sown by itself for pasture, twenty pounds may be sufficient. Sow early in the spring or during the month of October. Weight, 14 lbs. per bushel.

Crop 1891 short again, consequently prices remain high.
Fancy Extra Clean Seed, best quality. Per bush., \$3.00, lb., 30c.; lb., postpaid, 40c.

Meadow Fescue—True English Blue Grass (*Festuca pratensis*).—One of the most valuable pasture Grasses; its long and tender leaves are much relished by stock of all kinds. In some Southern States it is called **Randall Grass**, sometimes **Evergreen Grass**. Sow in spring or fall, at the rate of thirty to forty pounds per acre. Weight, 14 lbs. per bushel. Per bush., \$1.50; lb., 15c.; lb., postpaid, 25c.

Meadow Foxtail Grass (*Alopecurus pratensis*).—A most valuable pasture Grass, on account of its early and rapid growth and its being greatly relished by stock of all kinds. It thrives best on a rich, moist, strong soil, and grows about two feet high. Sow sixteen to twenty pounds to the acre. Weight, 8 lbs. per bushel. Per bush., \$2.00; lb., 30c.; lb., postpaid, 40c.

Orchard Grass.

Red Top Grass.

Rescue Grass.

Tall Meadow Oat Grass.

Timothy.

Meadow, or Woolly Soft Grass (*Holcus lanatus*).—Inferior to many other sorts, but has the merit of easy culture, and accommodates itself to all descriptions of soil, from the richest to the poorest. Sow four bushels to the acre. Weight, 8 lbs. per bushel. Fancy quality. Per bush., \$1.25; lb., 20c.; lb., postpaid, 30c.

Common Millet (*Panicum Milliaceum*).—Sow in drills or broadcast from May 1st to June 20th, if for seed, or until the last of July if for hay. For grain sow in drills; use fifteen to twenty pounds per acre. If for hay, sow broadcast twenty-five to thirty-five pounds. Weight, 50 lbs. per bushel. Per bush., \$1.00; lb., 10c.; lb., postpaid, 20c.

German or Golden Millet.—This variety is not so early as the Common Millet, but yields a much larger crop. Sow twenty-five or thirty pounds per acre. Weight, 50 lbs. per bushel. Per bush., \$1.00; lb., 10c.; lb., postpaid, 20c.

Orchard Grass, or Rough Cocksfoot (*Dactylis glomerata*).—Well adapted for sowing under trees or orchards, and very valuable either for grazing or for hay. Sow twenty to twenty-five pounds to the acre. Weight, 14 lbs. per bushel. True Seed. Per bush., \$1.75; lb., 15c.; lb., postpaid, 25c.

Red Fescue (*Festuca rubra*).—The essential distinction of this Fescue is its creeping roots, which, in dry and sandy soil, are often as strong as those of the common Couch Grass. Well adapted for gravelly banks and dry slopes. Sow twenty-five to thirty pounds to the acre. Per bush., 14 lbs., \$1.75; lb., 15c.; postpaid, 25c.

Red Top (*Agrostis vulgaris*).—A valuable Grass. If sown on moist, rich soil, it will grow two feet, and on poor gravelly soil about half that height. Sow fifteen to twenty pounds per acre. Weight, 14 lbs. per bushel. Per bush., \$1.00; lb., 10c.; lb., postpaid, 20c.

Rescue Grass (*Bromus Schraderii*).—A native of Australia; particularly recommended for resisting the drought better than any other variety, and will thrive on any soil, except where there is a superabundance of moisture. Sow thirty to forty pounds to the acre. Weight, 14 lbs. per bushel. Per bush., \$3.50; lb., 30c.; lb., postpaid, 40c.

Rough Stalked Meadow Grass (*Poa trivialis*).—This is one of the most valuable of those Grasses which affect moist, rich soils and sheltered situations. Sow twenty pounds to the acre. Per lb., 40c.; lb., postpaid, 50c.

Sheep Fescue Grass (*Festuca ovina*).—This variety grows naturally on light, dry and sandy soil, and on elevated mountain pastures. Sow twenty-five to thirty pounds to the acre. Weight, 14 lbs. per bushel. Per bush., \$1.75; lb., 15c.; lb., postpaid, 25c.

Sweet Vernal Grass (*Antoxanthum odoratum*).—This Grass yields but a moderate percentage of herbage. It is remarkable for giving out a pleasant, sweet smell during the process of drying. Sow twenty-five to thirty pounds to the acre. Weight, 10 lbs. per bushel. Per bush., \$1.30; lb., 15c.; lb., postpaid, 25c.

Tall Meadow Oat Grass (*Avena elatior*).—This produces an abundant supply of foliage, and is valuable for pasture on account of its early and luxuriant growth. It is recommended for hay and shoots up very quickly after being cut, and produces a thick crop of aftermath, which also makes it valuable as a soiling crop. Sow from thirty to forty pounds to the acre. Weight, 12 lbs. per bushel. Per bush., \$2.40; lb., 25c.; lb., postpaid, 35c.

Texas Blue Grass (*Poa arachnifera*).—The Texas Blue Grass grows on the roadsides, by fences and hedges; shade does not hurt it any more than Orchard Grass. It stands the hot and dry summers of the South very well, better than any other Grass. Seed very scarce and difficult to obtain, and cannot be separated from the chaff. Per oz., 25c.; lb., \$2.50, postpaid.

Timothy (*Phleum pratense*).—This is decidedly the best Grass for hay, making a large return on strong, rich clay, of medium state of moisture. Sow twelve to fifteen pounds per acre. Weight, 45 lbs. per bushel. Per bush., \$1.30; lb., 10c.; lb., postpaid, 20c.

Water Meadow Grass (*Poa aquatica*).—This is an excellent pasture grass for very wet situations. Sow twenty pounds to the acre. Per lb., 30c.; postpaid, 40c.

Wood Meadow Grass (*Poa memorialis*).—The early growth of this Grass in the spring, and its remarkably fine succulent and nutritive bearings, recommend it strongly for pasture. Thrives well under close feeding. Sow thirty pounds to the acre. Per lb., 40c.; lb., postpaid, 50c.

Bermuda Grass Seed.

Per lb., \$1.40; 10 lbs., \$12.50; 100 lbs., \$100.00. By Mail, $\frac{1}{4}$ lb. 50c.; lb., \$1.50, Postpaid.

The Bermuda Grass (*Cynodon dactylon*)—is only suitable for the South where the winters are not below freezing point. It is very valuable for its drouth resisting properties; it stands the hottest and driest season, and is of more than average value for stock; it being a most nutritious grass in every way, and as a summer pasture it should be planted everywhere in the South. Winter is the only season it looks poor and brown, but it roots strongly all through the winter. February, March and April, i. e., in spring, according to latitude, are the best months to sow, and we recommend eight to ten pounds of seed to be sown to the acre. The land should be in good tilth and condition for sowing, and a rolling will make a good and sufficient covering. It is slow to germinate, requiring at least thirty days under the most favorable circumstances.

CLOVER SEEDS.

Alsike Clover.

Japan Clover.

White Clover.

Red Clover.

Alfalfa, Lucerne or Chilian Clover (*Medicago sativa*).—A valuable forage plant, particularly adapted for the Southern States. It lasts from eight to ten years, as the roots penetrate from ten to fifteen feet in the ground; but it requires a deep soil, well cultivated and richly manured. The sun must have free access to Alfalfa, and the ground must be rolling to enable the water to pass off readily, for wet underground is fatal to the plant. Alfalfa claims to bear the palm as a forage plant, coming earliest in spring and remaining latest in fall. To sow Alfalfa well, twenty to twenty-five pounds should be sown to the acre. Weight, 60 lbs. per bushel. Per bush., \$6.60; lb., 15c.; lb., postpaid, 25c.

Alsike or Swedish Clover (*Trifolium Hybridum*).—A native of Sweden, perfectly hardy, and stands drought well; large return in hay, is excellent for soiling, and for bees it is unsurpassed. Sow in spring or fall, about eight to ten pounds per acre. Weight, 60 pounds per bushel. Per bush., \$12.00; lb., 25c.; lb., postpaid, 35c.

Bohkara Clover, White (*Melilotus albus altissimus*).—This is a tall, shrubby-like plant, growing to the height of four to six feet, with numerous small white flowers of great fragrance. Eight to ten pounds should be sown per acre in the spring. Extra clean seed. Weight, 60 lbs. per bushel. Per bush., \$12.00; lb., 25c.; lb., postpaid, 35c.

Burr Clover (*Medicago maculata*, *California Burr Clover*, *Spotted Medick*, *Yellow Clover*).—An excellent fodder plant for the South. The stems are creeping and soon spread over a large area. Flourishes in dry soils, and is not affected by the drought of Southern winters. The seeds are contained in small, burr-like pods, hence the name. About 20 pounds of the burrs should be sown to the acre, and on good soil, lightly covered, will soon spread over the entire surface. Per 10 lbs., \$1.75; lb., 20c.; postpaid, per lb., 30c.

Crimson Trefou or Scarlet Italian Clover (*Trifolium incarnatum*).—In warm climates four or five cuttings are made during the season. It grows about one foot high; makes good hay. Sow in March or April, about ten to twelve pounds per acre. Weight, 60 lbs. per bushel. Per bush., \$7.50; lb., 15c.; lb., postpaid, 25c.

Honey or Bee Clover (*Melilotus caeruleus*).—As the name indicates this Clover is very valuable to bee-keepers. It will take eight to ten pounds to sow an acre. Weight, 60 lbs. per bushel. Per lb., 30c.; lb., postpaid, 40c.

Japan Clover (*Lespedeza striata*).—A low perennial of spreading habit, adapted by nature to withstand excessive drought. It flourishes on the poorest soils, and is very valuable in the South. Weight, 25 lbs. per bushel. Per bush., \$4.50; lb., 25c.; postpaid, per lb., 35c.

Red Clover (*Trifolium pratense*).—This invaluable plant succeeds on any soil of moderate fertility if sufficiently dry. May be sown in autumn or winter at the South, or in this latitude upon the snow, immediately previous to its disappearance, by which the seed is distributed with regularity and carried down into the crevices of the soil. From 8 to 10 pounds of good seed is required for an acre. Weight, 60 lbs. per bushel. Per bush., \$6.00; lb., 15c.; lb., postpaid, 25c.

Sapling or Mammoth Clover.—This variety grows five to six feet high, and is used almost exclusively for plowing under for manure. Sow at the rate of eight to ten pounds per acre. Weight, 60 lbs. per bushel. Per bush., \$6.60; lb., 15c.; lb., postpaid, 25c.

White Dutch Clover (*T. repens*).—An excellent pasture grass, forming in conjunction with the Kentucky Blue Grass, the finest and most nutritious food for sheep and cows. Its flowers are also a favorite resort for the honey bee. It succeeds on all rich clayey lands, if not too wet. It takes six to eight pounds for an acre. Weight, 60 lbs. per bushel. Per bush., \$12.60; lb., 30c.; lb., postpaid, 40c.

Yellow Trefoil Clover (*Medicago lupulina*).—A variety with yellow flowers, of spontaneous growth. Sow in March or April, about eight to ten pounds per acre. Weight, 60 lbs. per bushel. Per bush., \$7.50; lb., 15c.; lb., postpaid, 25c.

SANFOIN OR ESPARSETTE.

Hedysarum onobrychis. A valuable Forage Plant for the North, West and South. It is especially adapted to dry soils, sands, gravels and barren regions, where rainfall is scarce and irrigation not easily obtainable. To produce a good stand, forty to fifty pounds should be sown to the acre. It is green all the year round, and produces three crops, sometimes five. Roots have been found 12 to 16 feet in length, and if once established will stand six to eight or more years. Weight, 24 lbs. per bushel. Per bush., \$1.50; lb., 10c.; postpaid, per lb., 20c.

CHOICE SEED FIELD CORN.

The Seed Corn we offer is grown for this purpose, carefully selected and shelled.

Express or Freight Charges always to be Paid by the Purchaser.

TERMS: CASH WITH ORDER.

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EARLY ECLIPSE—Yellow.

This variety has been bred up from a cross between the Leaming, Riley's Favorite and Illinois Premium Dent. It is a very vigorous grower and immensely productive. Will mature in 90 days. Ear about 9 inches long; rows from 16 to 26 in number. Grain very long and deeply dented; color deep orange yellow. Cob very small and red; quality very sweet and nutritious.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

CHAMPION EARLY WHITE PEARL.

An extra early, pure white variety of the Dent family; very productive and exceedingly heavy, maturing in 85 to 90 days from the time of planting. The grain is extra deep and wide, two of which will more than span the cob, which is very small.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

MURDOCK'S FAVORITE—Yellow.

Medium sized, extra early Yellow Dent variety, with deep, rich oily grain, and small red cob. Will mature in from eighty-five to one hundred days.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

PRIDE OF THE NORTH—Yellow.

A very early Dent variety, ripening with the Flint sorts, and can be successfully grown further north than any other variety of Dent corn. Stalks small, with broad leaves. Ears short, twelve to sixteen rowed, well filled. Grain long, yellow, making an extra quality of meal.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

THE LEAMING—Yellow.

A Yellow Dent variety; very small red cob, with a deep, long grain, of a rich golden color, matures a crop in ninety days, and will, if planted by the 1st of June, under ordinary culture, grow, ripen and be fit to husk and crib by September 1st.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

GOLDEN BEAUTY—Yellow.

This variety has ears of perfect shape, with from ten to fourteen straight rows of brightest golden yellow grains of remarkable size, and filled out completely to the extreme end of the cob. The cobs are unusually small.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

PIASA KING—White.

This corn has ears tapering slightly from butt to tip; ten to sixteen inches long, grain very long, frequently $\frac{3}{4}$ of an inch; cob small and mostly red, number of rows from sixteen to thirty-two. Color pure white and deeply dented; quality of the very best; growth of stalk strong and vigorous, especially adapted to heavy bottom land.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

PIASA QUEEN—Yellow.

This variety is about two weeks earlier than the Piasa King. Ear very large, from ten to sixteen inches in length, having from fourteen to twenty-eight rows. Color deep yellow; grain broad and long and deeply dented; stalk stout and vigorous, very leafy; does well upon black prairie or strong bottom land.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

WHITE GIANT NORMANDY.

Late White Dent variety; grains very large and long, pearl white; cobs very small, stands drought well.

Per peck, 50c.; bush., \$1.50; 2 bush., 2.75.

ST. CHARLES—White.

An old, well-known variety.

Per peck, 35c.; bush., \$1.25; 2 bush., 2.25.

SWEET CORN FOR FODDER.

There is nothing better for green feed, or for curing for winter, than sweet corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. Sow in drills or broadcast.

Per peck, 50c.; bush., \$1.50; 2 bush., 3.00.

SEED GRAIN.

Terms: Cash with Order. Two-Bushel Bags, 20 Cents Extra Each.

Express or Freight Charges always to be paid by the purchaser.

SPRING SEED WHEAT.

Sow about two bushels to the acre.

White Russian—This variety is not exactly a white, but is a light colored variety of red wheat, and is an enormous cropper. It has long, straight, strong yellow straw, and bears long and large white chaff heads, well filled with plump kernels.

Per peck, 60c.; bush. \$2.00.

Red French Imperial—This variety grades Extra No. 1 hard Red Spring Wheat. The kernel is very large, fully a half larger than a plump kernel of almost any other kind of spring wheat.

Per peck, 60c.; bush., \$2.25.

Saskatchewan Fife Wheat—A purely northern Hard Wheat. In vigor of growth, productiveness and stooling propensities it is probably unequalled.

Per peck, 60c.; bush., \$2.25.

SEED BARLEY.

Sow about two bushels to the acre.

Barley, Common—Market price.

SEED RYE.

One and a half bushel to the acre.

Seed Rye, Common—per bushel (56 lbs.).....\$1.00

SEED BUCKWHEAT.

Sow from two to three pecks to the acre.

Common—The old well-known sort. Market price.

Silver Hulled—Is longer in bloom than the ordinary sort. The husk is very thin, grain is rounder, of a beautiful light gray color.

Per peck, 40c.; bush. (52 lbs.), \$1.25.

Early Japanese—Sown at the same time with Silver Hull, it proved two weeks earlier and yielded twice as much. The kernels are *twice the size* of any other buckwheat, of a rich, dark brown color, and manufacture a superior flour.

Per peck, 50c.; bush., (52 lbs.), \$1.50.

SEED OATS.

Sow about three bushels to the acre.

Welcome Oats—Stools heavily, with extra strong, straight straw standing well, succeeding in almost any climate.

Per peck, 30c.; bush., (32 lbs.), \$1.00

White Russian Oats—Very prolific; with ordinary cultivation will yield one hundred bushels per acre.

Per peck, 30c.; bush., (32 lbs.), \$1.00

Fall or Winter Seed Wheat.

We always endeavor to have a full stock of choice Seed Winter Wheat on hand for fall sowing in due season. All the New and Newer varieties we have grown for us especially for Seed purposes, and our customers when buying from us can rely upon getting the genuine article, grown from select original stocks.

We expect to have the following Varieties:

Jones' Winter Fife—Beardless, dark colored grain, white chaff. **The most desirable hardy winter sort known, yielding from 40 to 50 bushels per acre.** This is without doubt the coming No. 1 hard gluten sort of the East, being to the Winter Wheat sections what the No. 1 hard Spring is to the Northwest; excelling in the amount of gluten even the noted Saskatchewan Fife, the pride of all Northwestern millers. With this sort in general cultivation, we can compete with the highest grade of Flour known. It is a very strong grower, covering the ground early in the season, requiring light seeding in rich soil; ripens early and has a velvet-like glisten in the sun. Grain of medium size, transparent, hard and dark.

American Bronze, New—Beardless, bronze-colored grains, white chaff. This variety, although especially adapted to sandy and poor soils, producing a good crop when most other varieties have proven a total failure, is also one of great value on rich, moist land on which long and soft strawed sorts would go down. It is of medium height, and the thickest walled straw in cultivation, resisting severe wind storms without lodging.

Early Red Clawson—Beardless, red grains, brown chaff.

Golden Cross—Bearded, red grains, red chaff.

High Grade—Beardless, red grains, white chaff.

Martin Amber—Beardless, amber grains, white chaff.

Fulcaster—Bearded, red grains, white chaff.

Hybrid or Diehl Mediterranean—Bearded, red grains.

Fultz—Beardless, amber grains.

Our Seed Wheat Circular will contain full description and prices of all the different varieties we will have for sale. It will be issued about first week in September, and mailed free to all applicants.

Jones' Winter Fife.

American Bronze.

MISCELLANEOUS FARM SEEDS.

Terms, Cash with Order. Prices subject to fluctuation. Two-Bushel Bags, Twenty Cents Extra Each.

Express or Freight Charges always to be paid by the purchaser. If wanted to be sent by mail, postage must be added at the rate of 10 cents per pound.

BROOM CORN.—Improved Evergreen Broom Corn—Grows about eight to ten feet high, stands up well, and is entirely free from crooked brush. The fibre is long and fine. Its greatest value to growers is in the fact that it will not get red in the field before it is cut, but is strictly a green variety of brush, and will always command the highest price. Per peck, 50c.; bush. (48 lbs.), \$1.50.

CANE OR SORGHUM—Plant in warm, corn soil, in drills three to four feet apart. Sow about five pounds of seed per acre for syrup and fifty pounds for fodder.

Early Amber Cane—

Per lb., 10c.; peck, 50c.; bush. (50 lbs.), \$1.50.

Early Orange Cane—

Per lb., 10c.; peck, 40c.; bush. (50 lbs.), \$1.25.

NON-SACCHARINE SORGHUMS.—These varieties bear dry weather well. They grow on any land where corn will, even on land too poor for corn. It takes from five to six pounds to plant one acre.

Kafir Corn—

Per lb., 10c.; 10 lbs., 75c.

White Branching Dhoura (White Millow Maize)—

Per lb., 10c.; 10 lbs., 75c.

Yellow Branching Dhoura—(Yellow Millow Maize)—

Per lb., 10c.; 10 lbs., 75c.

Egyptian Rice Corn—

Per lb., 10c.; 10 lbs., 75c.

COW OR SOUTHERN PEAS.—Sow from one and one-half to two bushels to the acre.

Black Eye—Seed large, round, oblong; creamy white, with a large black eye.

Peck, 60c.; bush., \$2.00.

Clay Colored—Large Seed of a blue clay color.

Peck, 60c.; bush., \$2.00.

Whip-Poor-Will—The seeds are large, speckled brown in color.

Peck, 60c.; bush., \$2.00.

FIELD PEAS.—These are sown for marketing dry, for split peas or for fodder for stock. Sow one and one-half to two bushels to the acre.

White Canada Field—Peck, 50c.; bush., (60 lbs.), \$1.50.

FIELD LUPINS.—The Lupin is one of the best plants known for soiling. Weight per bushel, 60 pounds.

White.....per lb., 10c.; peck, \$1.25; bush., \$4.50

Blue.....“ 10c.; “ 1.25; “ 4.50

Yellow.....“ 10c.; “ 1.25; “ 4.50

SUNFLOWER SEED.—Large Russian.

Per lb., 15c.; 10 lbs., \$1.25.

SPRING VETCHES OR TARES.—Vetches are grown for a forage crop. Sow two to three bushels per acre.

Per lb., 10c.; peck, \$1.25; bush. (60 lbs.), \$4.50.

WILD RICE (*Zizania aquatica*).—An annual which sows itself in the fall, about middle of September, lies dormant all winter; in spring commences to sprout, as soon as the water gets warm, reaching the surface during the first half of June. It grows very rapidly, in one to eight feet of water.

Per lb., 35c.; 10 lbs., \$3.00

PEANUTS.—Peanuts yield largely and are a paying crop. Planted in April, they ripen in August, and planted as late as July 1st to 10th, they will mature full crops before frost.

Per lb., 15c.; 10 lbs., \$1.25

ARTICHOKE ROOTS.—Grown exclusively for its tubers, which somewhat resemble potatoes, and are cultivated in a similar manner, only that the rows should be at least four feet apart when grown in strong soils. It is enormously productive, producing over 800 bushels per acre. It is used mostly in feeding sheep and hogs. 8 to 10 bushels are planted to the acre.

White Jerusalem—Per peck, 35c.; bush. (50 lbs.), \$1.25

Red Brazilian—Per peck, 35c.; bush. (50 lbs.), \$1.25

TREE, FRUIT AND HEDGE SEED.

Prices of Tree and Fruit Seeds given here, except when quoted by the bushel, include Postage or Free Delivery. Special prices given on large quantities.

EVERGREEN AND DECIDUOUS

TREE SEED.

Arbor Vitae, American (*Thuja Occidentalis*).

Per oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Fir, Balsam (*Abies Balsamea*).

Per oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Fir, Silver (*Pinus abies*).

Per oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Larch, European (*Larix Europaea*).

Per oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

Pine, Austrian (*Pinus Austriaca*).

Per oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

Pine, Scotch (*Pinus Sylvestris*).

Per oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

Pine, White or Weymouth (*Pinus Strobus*).

Per oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Spruce, Hemlock (*Abies Canadensis*).

Per oz., 30c.; ¼ lb., \$1.00; lb., \$3.50.

Spruce, Norway (*Abies Excelsa*).

Per oz., 15c.; ¼ lb., 40c.; lb., \$1.25.

Spruce, White (*Picea Alba*).

Per oz., 30c.; ¼ lb., \$1.00; lb., \$3.50.

Ash-American, White (*Fraxinus Americana*).

Per oz., 10c.; ¼ lb., 20c.; lb., 60c.

Birch, White (*Betula alba*).

Per oz., 10c.; ¼ lb., 30c.; lb., \$1.00

Box Elder (*Acer Negundo*).

Per oz., 10c.; ¼ lb., 25c.; lb., 75c.

Catalpa, Hardy (*Catalpa Speciosa*).

Per oz., 10c.; ¼ lb., 25c.; lb., 75c.

Elm-European (*Ulmus Campestris*).

Per oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

Lime or Linden (*Tilia Europaea*).

Per oz., 10c.; ¼ lb., 25c.; lb., 75c.

Mulberry, Russian (*Morus Moretti-var*).

Per oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

Tree of Heaven (*Ailanthus glandulosus*).

Per oz., 10c.; ¼ lb., 25c.; lb., 75c.

FRUIT TREE SEED.

Apple Seed (*Pyrus Malus*).

Per ¼ lb., 20c.; lb., 50c.; bush., 40 lbs., \$6.00.

Pear Seed (*Pyrus Communis*).

Per oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Quince Seed (*Cydonia vulgaris*).

Per oz., 15c.; ¼ lb., 50c.; lb., \$1.50.

Peach Pits (*Amygdalus persica*).

Per bush., 50 lbs., \$1.50.

SMALL FRUIT SEED.

Currant Seed—Large varieties, mixedper oz., \$0.50

Gooseberry Seed—Large English, mixed..... “ .75

Raspberry Seed—Finest sorts, mixed..... “ .50

Strawberry Seed—Large varieties, mixed..... “ .50

SEED FOR HEDGES.

Yellow or Black Locust (*Robinia pseudo-acacia*).

Per oz., 10c.; ¼ lb., 15c.; lb., 50c.

Honey Locust (*Gleditschia Triacanthos*).

Per oz., 10c.; ¼ lb., 15c.; lb., 50c.

Osage Orange (*Maclura Aurantiaca*).

Price per bush. upon application. Per ¼ lb., 20c.; lb., 50c.

The "Planet Jr." Garden and Farm Tools, 1892.

This very complete line of Tools is popular, and quite deservedly so. They are reliable and accurate, and do not get out of order. **Send for 1892 Illustrated, Descriptive Catalogues. Free.**

THE "PLANET JR." No. 2 SEED DRILL.

Weight, 40 lbs.
Price, \$7.50.

Sows all garden seeds accurately, at any desirable thickness or depth, opening, dropping, covering, rolling down and marking the next row all at one passage in the most perfect and reliable manner. It holds $2\frac{1}{2}$ quarts. It has no cams, levers, brushes, cogs, springs, or shakers to get out of order; it is noiseless, automatic, self-cleaning and accurate; it is remarkable for simplicity, strength, and for ease and perfection of work in the field.

THE "PLANET JR." COMBINED DRILL.

Wheel Hoe, Cultivator, Rake and Plow.

(Weight, 40 lbs.)
Price, \$9.50.

This tool is unrivaled in beauty of design, perfection of finish, convenience and capacity for work; it is suitable for either the farm or the garden. As a Seed Drill it is the same as the No. 2 (see description above,) except in size. It holds one quart. For after care of the crop it is supplied with a pair of rakes, a pair of long hoes, three reversible cultivator teeth, and a large garden plow.

As a Rake, it is invaluable in preparing the garden for planting, and also for delicate after cultivation of the crop and for covering seeds, etc., etc.

As a Hoe, it works safely and closely both sides of the row at once when plants are small; between rows when plants are large, working all rows up to 16 inches wide at one passage.

As a Plow, it opens furrows, covers them, hills, plows to and from, etc.

As a Cultivator, it is admirably adapted to deep mellowing of the soil. All the blades are tempered and polished steel.

THE "PLANET JR." DOUBLE WHEEL HOE.

Weight, 25 lbs.
Price, \$6.50.

Cultivator, Rake and Plow Combined.

This popular hoe stands *completely unrivaled*; it is simple, strong and complete, and merits the thorough admiration of every practical gardener. Each tool is sent out with a pair of rakes, a pair of hoes, two pair of reversible cultivator teeth and a pair of plows. The wheels are adjustable in height, and the arch is high enough to enable the operator to work both sides of the row at once until plants are over 18 inches high; then the wheels can be set to run close together and the tool used between the rows. Leaf guards (detachable) go with each machine, to be used when plants extend into a wide row. This tool is light, very simple, very strong, made of the best material and highly finished, and nothing exceeds the perfection and variety of work it performs.

PLAIN DOUBLE WHEEL HOE.

Price, boxed, \$4.00.

To meet the demand from some sections, the "Planet Jr." Double Wheel Hoe is offered with only one pair of Hoes and without leaf guards, as the "Planet Jr." Plain Double Wheel Hoe. This makes a very effective and cheap tool for parties who have limited work or chiefly hoeing.

THE "PLANET JR." SINGLE WHEEL HOE.

Cultivator, Rake and Plow Combined.

Weight, 20 lbs.
Price, \$5.00.

In remodeling this tool, care has been taken to combine lightness, great strength, variety and adjustability of tools. It has one pair of garden rakes, one pair of long hoes, one set of reversible cultivator teeth, a large garden plow, and a leaf guard.

The form of the hoes insures a forward slanting cut next to the plant, and consequently close work *without danger*, and at the same time thorough *cultivation of the soil*. The rakes and cultivator teeth, in combination with the hoes and plow, enable the operator to perform almost every variety of work, either in the field or garden. A leaf guard (detachable), is very useful in late hoeing. All rows, from 6 to 18 inches apart can be perfectly hoed at one passage. The frame allows every desirable adjustment, is quickly raised and lowered, to regulate depth, and the wheel can be attached centrally or at one side of the machine, giving the operator the *important advantage* of hoeing both sides of the row at one passage when desired.

THE "FIRE-FLY" SINGLE WHEEL HOE.

Cultivator and Plow Combined.

Weight, 20 lbs. Price, \$5.00.

This convenient tool combines lightness and strength with great adjustability. The tools are a pair of admirable hoes, a set of three reversible cultivator teeth, and a large, excellent garden plow. The whole tool is light and strong.

THE "FIRE-FLY" WHEEL GARDEN PLOW.

Weight, 12 lbs. Price, \$2.00.

Makes the care of a vegetable garden a pleasure. It takes the place of the plow or cultivator, requiring no wide headlands to turn on, and is invaluable during all the gardening season.

The Planet Jr. All Steel Horse Hoes and Cultivators.

No tool which has ever been offered to the American public has so rapidly gained in favor as the "PLANET JR." ALL STEEL HORSE HOE AND CULTIVATOR COMBINED. This is due to the fact that for the cultivation of all farm crops none equals it in ease of handling, variety and quality of work done and lightness of draft. It is made entirely of iron and steel, except the handles; has a patent lever expanding frame which can be closed to five inches, or opened to twenty-four; has a side adjustment for the handles, by which they may be set from one side to the other by loosening a single bolt; has a lever wheel by which it may be changed to any depth in an instant, and is provided with such a variety of adjustable teeth as enables it to do all kinds of one-horse cultivation.

The front two teeth are three inches wide, and of such a form as is best adapted to enter the soil, cut off the roots of growing weeds, and turn them upside down, thus preparing for the easy working of the rear blades. The cultivator teeth can be set to work deep or shallow, as desired. The patentside steels are five inches wide, and by means of the patent side standards can be turned to any angle desired, or completely reversed. This feature is found on the "Planet Jr." Horse Hoe alone. The rear steel is seven inches wide, and designed to fill in the furrows made by the side steels, leaving a finely shaped bed around the plants. The tool is also furnished with three extra cultivator

steels, which can be placed on the three rear standards when desired, thus making it a plain cultivator. All the standards now used on the "Planet Jr." Horse Hoe are made from heavy sheet steel, struck up into the proper shape by special machinery. These HOLLOW STEEL STANDARDS are far superior to anything ever before offered to the public, and are a distinguishing feature of the improved "Planet Jr." Horse Hoe.

The Planet Jr. all Steel Horse Hoe, Cultivator, Lever Expander, with Lever Wheel. Weight, 75 lbs. \$8.50
 The Planet Jr. all Steel Horse Hoe, Cultivator, Lever Expander, without Lever Wheel. Weight, 65 lbs. 7.25
 The Planet Jr. all Steel Cultivator, with Lever Expander and Lever Wheel. Weight, 60 lbs. 6.00
 The Planet Jr. all Steel Cultivator, with Lever Expander without Wheel. Weight, 50 lbs. 4.75

THE PLANET JR. ELEVEN TOOTH (SCRATCH) HARROW, CULTIVATOR AND PULVERIZER COMBINED.

This entirely new and valuable tool is now offered after thorough and long extended trials, as the *very best and finest* known for its intended purpose. The cut fails to adequately interpret its perfections. The frame is much higher than usual in this class of tools, and the blades *one inch wide*, are of such perfect shape and symmetry as to work in the most thorough and satisfactory manner, and to offer a very unusual amount of wearing surface. It, too, is provided with the '91 Lever Wheel, and also with a thorough Pulverizer Attachment, which leaves the ground in the finest condition. The Pulverizer is controlled by a lever, which can be operated in an instant by the foot, while in motion. For fine cultivation, either deep or shallow, this tool has no equal.

The Planet Jr. Scratch Harrow, Cultivator, with Expander, Lever Wheel and Pulverizing Attachment \$8.50
 The Planet Jr. Scratch Harrow, Cultivator, with Expander and Lever Wheel, no Pulverizer 7.00
 The Planet Jr. Scratch Harrow, Cultivator, with Expander, Plain, no Wheel and no Pulverizer 5.75

A. H. Matthews' Improved Seed Drill.

THE ILLUSTRATION represents the Latest Improvements in Seed Drills by Mr. A. H. Matthews. It will be seen by the cut that the handles are now bolted to the frame of the machine and can be fixed at any height.

PRICE, CRATED,
\$8.00.

It may be used in field or garden, and, when in use, it opens the furrow, drops the seed evenly and at the required depth, covers it, and lightly rolls the earth over the seeds (causing them to germinate), and marks the next row, all at one operation, with great mechanical precision. It is well and thoroughly made, and fully warranted to sow, with evenness and regularity, all the different varieties of vegetable seeds. It has never been denied that the Matthews has no superior. Has had for years the most extended sale of any tool of its kind. A special feature of this Drill is the Steel Dial Gauge and the Shut-Off Attachment. This connects a small slide beneath the hopper by a chain and ring along the handle to the hand of the operator; by this the dropping of seed can be instantly stopped. By dropping the ring the seed spout is again opened.

MATTHEWS' LITTLE GEM SEED DRILL.

This is an excellent low-priced reliable Seed Drill. "The Little Gem" will make the drill, drop and cover all seeds, such as **TURNIP, CARROT, SAGE, SPINACH, ONION, PARSNIP, BEET**, etc., and mark the next row as perfectly as the best ten dollar drill, and yet it costs only half the price. It has proved a "decided hit" for those who plant vegetables for home use, and whose root-growing is not extensive enough to warrant them in buying a large drill. It weighs only twenty pounds, is a little beauty, and will last many years.

PRICE, CRATED.....\$5.00.

Cahoon's Broadcast Hand Seed Sower.

This Broadcast Sower is the best one of its kind in our market. The grain is held in a light sheet iron hopper, surmounted by a bag which will hold half a bushel of seed. The seed is thrown from eight to twenty feet on each side of the operator, the heaviest seed being, of course, thrown to the greatest distance. With this machine, at a common walking gait, you can sow from three to six acres per hour.

Circular sent with each machine.

PRICE, BOXED.....\$3.50.

J. H. OLMSTED'S

RELIABLE MOLE TRAP.

In this we have a useful trap. It is so simple in construction and so safe to handle, that a child may set it with the same facility as a grown person. It combines all the good points of traps of similar make, and on account of low price has become very popular.

PRICE, \$1.75.

If by mail, add 50 cents to prepay postage. Extra springs, 15 cents each.

"GROUND MOLES, their Habits and How to Catch Them," by J. H. Olmsted. This is an interesting little book, containing wood cuts of

the Mole and of the fortress it builds. Bound in attractive red and blue enameled covers, sent with every machine.

PHILADELPHIA LAWN MOWER.

PRICES GIVEN BELOW ARE NET CASH WITH ORDER.

Style D—10 inches, 6½ inch Wheels, 26 lbs.....\$6.00
Style D—12 inches, 6½ inch Wheels, 28 lbs..... 7.50
Style M—14 inches, 7 inch Wheels, 36 lbs..... 8.50

Style M—16 inches, 7 inch Wheels, 38 lbs..... \$ 9.00
Style M—18 inches, 7 inch Wheels, 44 lbs..... 10.00
Descriptive Circular sent upon Application.

FERTILIZERS.

For the Garden, Farm and Lawn.

Terms: Cash with Order. Freight Charges Always to be paid by the Purchaser.

Commercial Fertilizers are coming more and more in use in the West. Their quick and direct action commend them to the gardener and farmer. The enormous quantities sold in the East gives the best evidence of its utility and value. The quantity to use per acre depends on the crop to be cultivated and cultivation of soil.

P. S. CO.'S UNIVERSAL FERTILIZER

Is guaranteed to be uniform in composition, to contain not less than five per cent. of ammonia, four per cent of actual potash, and 8 per cent. of soluble phosphoric acid. It is in the form of fine powder, and is very dry and easily mixed with the soil; it may be composted, sowed by hand, or sowed by the drill, or broadcast plaster sower. It may be freely sowed broadcast upon grass or growing grain with the best effects, using 300 to 500 pounds per acre. To give a teaspoonful to each hill of corn requires about 300 to 600 pounds to the acre, according to the space between the hills; wheat requires 200 to 500 pounds; rye, 200 to 300 pounds; oats, 200 to 400 pounds; grass, 200 to 500 pounds; buckwheat, 150 to 250 pounds; potatoes, 250 to 500 pounds; turnips, 200 to 300 pounds; roots in drills, 200 to 300 pounds. Garden soil for general crops requires 400 to 600 pounds, well mixed with soil, and for some crops direct application besides, equal to as much more.

PRICE.

Per 100 lbs., \$2.00; per ton (2,000 lbs.), \$36.00. We do not sell less than 100 lbs.

PLAIN SUPERPHOSPHATE.

This is a mineral phosphate, which has been dissolved with sulphuric acid in order to make it available; called a Plain Superphosphate because it contains no ammonia or potash. It contains twelve to fifteen per cent. soluble and available phosphoric acid.

PRICE.

Per 100 lbs., \$1.75; per ton (2,000 lbs.), \$30.00. We do not sell less than 100 lbs.

NITRATE OF SODA.

95 to 98 per cent. purity, 18½ to 19½ per cent. ammonia. This comes from Chili, and is a valuable source of ammonia. It looks like common, coarse white salt, and should be sown broadcast, and it is very important to sow evenly. Sow 400 to 500 pounds to the acre.

PRICE.

Per 25 lbs., \$1.25; per 50 lbs., \$2.25; per 100 lbs., \$4.00; per ton (2,000 lbs.), \$70.00.

LAND PLASTER OR GYPSUM

May be regarded as a fertilizer, though acting indirectly, and it is of well-known value, especially at a distance from the sea coast. It seems to have a specific effect upon clover, and is useful upon potatoes, grass and grain.

PRICE.

Per bbl. (about 275 lbs.), \$1.75; 5 bbls., \$8.50; 10 bbls., \$16.00; F. O. B. St. Louis. We do not sell less than a barrel.

PERUVIAN GUANO, FIRST QUALITY.

Guano contains phosphate of lime in a very easily soluble condition, a large quantity of ammonia, and a small quantity of potash. All its valuable ingredients are partially soluble in water, and almost all the rest are soon available; hence it is very active and efficient as a fertilizer.

We recommend that Guano be always sifted, and be mixed with at least twice its bulk of sifted earth, and shoveled over until thoroughly mingled. If sowed broadcast, it should be harrowed or brushed in immediately, as the hot sun volatilizes the ammonia. The quantity applied per acre varies with soils and crops from 200 to 500 pounds, but it must always be employed with caution.

PRICE.

Per 10 lbs., 75c.; per 25 lbs., \$1.50; per 50 lbs., \$2.50; per 100 lbs., \$4.50; per ton (2,000 lbs.), \$75.00. Less than 10 lbs., 10c. per lb.

BONE MEAL FOR FERTILIZING.

Consists of bone with more or less flesh, etc., adhering, which have had the grease removed, and have been subsequently pulverized. It contains a high percentage of phosphate of lime, the phosphoric acid of which is, on account of its highly pulverized state, soon available to the plant, and there is also nearly three per cent. of nitrogen, available in part, at once, and the rest during the season. Ground bone may be applied alone, or in composts. It may be dropped in the hill or drill before planting, and, unless in masses, rarely injures even the most delicate seeds. It will take from 200 to 500 pounds to the acre, according to crop. Only good results to the crop, however, will follow applications of even very large quantities.

PRICE.

Per 10 lbs., 40c.; per 25 lbs., 75c.; per 50 lbs., \$1.25; per 100 lbs., \$1.75; per ton (2,000 lbs.), \$30.00.

LAWN FERTILIZER OR LAWN ENRICHER.

A clean, portable and convenient lawn dressing, for *New or Old Lawns*. It should be sown broadcast in the spring or fall, though it can be put on during summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. The quantity required per acre varies according to the condition of the lawn, from 800 to 1,000 pounds; for a space 15x20 feet or 300 feet square, a 10-lb. package will be sufficient.

PRICE.

Per 5 lbs., 25c.; per 10 lbs., 40c.; per 25 lbs., 75c.; per 50 lbs., \$1.50; per 100 lbs., \$2.25; per ton (2,000 lbs.), \$40.00.

POULTRY SUPPLIES.

Express or Freight Charges always to be paid by the purchaser.

"You can feed for Eggs just as you can for Milk, Beef or Fat Pork," and you can get plenty of

EGGS AT ALL SEASONS

BY USING

Rust's Egg Producer

(THE HEN PERSUADER.)

This preparation supplies just what nature needs for producing Eggs, Plumage, Growth and Development, and in the exact proportions required. This exactness makes it so much more effective and economical than other preparations or home-made mixtures.

It is entirely unlike those stimulating powders advertised to make hens lay, and therefore does not exhaust and damage fowls as they do. It contains only just enough stimulants (less than four per cent), to aid digestion, just as we use a very small quantity of mustard or pepper in our own food for the same purpose.

RUST'S EGG PRODUCER 1 lb. Pkg. 2½ lb. Pkg. 6 lb. Pkg. 10 lb. Box. 25 lb. Keg.
..... 25c. 50c. \$1.00 \$1.50 \$3.50

If wanted to be sent by mail, add 16c. per pound to prepay postage,

HAVEN'S CLIMAX CONDITION POWDER—The only positive preventive and cure for Gapes and Poultry Cholera. All who have used Haven's Climax Condition Powder once will have it again. Price, 14 ounce package, 25c.; if by mail, 15c. extra for postage. Five pound box (equal to six packages), express charges to be paid by purchaser, \$1.00.

HAVEN'S ROUP PILLS—For the cure of Roup, Catarrh, Cold and Distemper. Price per box, 25c.; 5 boxes, \$1.00; postpaid.

GROUND OYSTER SHELLS, For Fowls—Prepared from oyster shells thoroughly washed, dried and made sweet. Per 10 lbs., 30c.; 25 lbs., 50c.; 50 lbs., 85c.; 100 lbs., \$1.50; per ton (2,000 lbs.), \$25.00.

BONE MEAL FOR FOWLS AND PIGS—Made from carefully selected bone ground to a meal, making a sweet, stimulating and highly nutritious food, which fowls and pigs eat greedily. Per 10 lbs., 40c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25.

CRACKED BONE, For Fowls—Made from white, selected bone, and reduced to about the fineness of cracked corn. Per 10 lbs., 40c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25.

INSECT DESTROYERS.

Express or Freight Charges always to be paid by the purchaser.

HAMMOND'S SLUG SHOT destroys all insects injurious to House and Garden Plants, Shrubs, Trees, Vines, Potatoes, Melons, Cabbages, Currants and Vegetables and Fruits of all kinds.

This preparation, though poisonous to insects, does not injure the foliage in the least, and acts in some measure as a fertilizer to the plants.

DIRECTIONS FOR USE—Dust the powder lightly over the infected plants, so as to cover every part of them. One application is generally sufficient, but if a new brood appears, repeat the operation at once.

For further information, send for our little book on Slug Shot.

Price per 5 lbs., 30c.; 10 lbs., 50c.; 50 lbs., \$2.25; 100 lbs., \$4.00; bbl., 235 lbs., loose in bulk, \$8.50.

Implements for the Economical and Effective Use of Slug Shot.

THE DUSTER is for applying Slug Shot on potatoes, cabbage and vine crops. These dusters are two sizes, holding half gallon and one gallon, and are bottomed with very finely perforated material, which allows an even application of the Slug Shot. Price, 30 and 45 cents each.

THE COMPLETE GARDEN BELLOW—This implement is intended for use among the roses, shrubs and small trees. The tubes are sectional. You can get under the leaves, over the leaves, or sideways. Price, \$1.25.

HAMMOND'S GRAPE DUST is a preparation to kill the destructive mildew that strikes the grape vine, affecting leaves, fruit and stem. Price per 5 lbs., 30c.; 10 lbs., 50c.; 100 lbs., \$4.00.

HAMMOND'S ARSENATED THRIP JUICE—A liquid Insecticide. Kills all the various scale Insects, Mealy Bugs, Caterpillars, Coddling Moths, Aphis, Red Spider, Canker Worms, etc., etc.

For use, diluted 400 to 450 times its bulk with water, making probably the cheapest, handiest liquid Insecticide used. Price per quart, 80 cts.; per gallon, \$2.00. This liquid cannot be sent by mail.

BIRD SEED.

Our Bird Seeds are always re-cleaned, fresh and sweet. Rancid and musty Seeds are injurious to your birds.

Mixed Bird Seed	per lb., 10c.; 3 lbs. for 25c.	Maw Seed	per lb., 25c.
Mixed Canary and Rape Seed	" 10c.; 3 lbs. for 25c.	Lettuce Seeds for Birds	per oz., 10c.
Clear Canary Seed	" 10c.; 3 lbs. for 25c.	Cuttle Fish Bone	per oz., 5c.
Hemp Seed	" 10c.; 3 lbs. for 25c.	Canary Bird Treat	10c. each, 3 for 25c.
Rape Seed	" 10c.; 3 lbs. for 25c.	Peters' Mocking Bird Food	per bottle, 40c.

If wanted to be sent by mail, 10c. per pound, and 30c. per bottle Mocking Bird Food, must be added to prepay postage.

ERFURT EARLIEST DWARF

PLANT'S EXTRA EARLY.