Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

62107

LIV THE
Livingston Seed Co.

FOR DESCRIPTION
SEE NEXT PAGE.

Columbus,
Ohio,
U.S.A.

LIVINGSTON'S
NEW DWARF
STONE TOMATO

1 PACKET FOR 15 CTS
2 PACKETS FOR
25 CTS.

1904

ANNUAL OF TRUE BLUE SEEDS

Livingston's New Dwarf Stone Tomato

Photograph of our New Dwarf Stone showing the very Large Size and Productiveness.

Price of Plants—Strong, stocky, reset and well rooted plants, ready about May 1st, securely packed and sent by Mail, postpaid, each, 10c.; 2 for 15c.; 4 for 25c.; 12 for 60c. Plants in Larger Quantities by Express, Price on Application.

WHAT OTHERS THINK OF NEW DWARF STONE TOMATO

Squire Johnson, Michigan, writes:—"The Dwarf Stone Tomato is a grand good one, the best of the dwarf varieties which I have ever grown. I did not plant for early crop, and when the fruit came on, it was large and nice. I sold from one acre over 300 bushels and there were as many more on the vines when I stopped picking on October 10th."

A. E. Gehman, Ohio, writes:—"We raised the New Dwarf Stone Tomato this year for the first time. It is a tip top Tomato in every way. It is large in size, solid in flesh, delicious in flavor, and a heavy bearer, and ripens evenly all over. The Dwarf Stone has come to stay. Its dwarf compact habit surpasses the large stem tomatoes. The Dwarf Stone is hard to beat, even by the larger stem varieties."

Chas. H. Gysle, Indiana, writes:—"I think the New Dwarf Stone one of the best early Tomatoes that I know of. I want to plant the most of my early Tomatoes of this variety."

Wm. Elkins, W. Va., writes:—"The New Dwarf Stone Tomato cannot be out-classed by any Tomato, with its bright red color, and its perfect form. 'True Blue' your seeds are."

Wm. Jackson, Pa., writes:—"The Dwarf Stone Tomatoes are the best we have ever tried. Just as good to bear, and as early as Dwarf Champion."

Geo. W. Wright, N. Y., writes:—"The New Dwarf Stone Tomato is all that you claim for it."

H. S. Harris, Texas, writes:—"I am pleased with your New Dwarf Stone Tomato."

Double Size of Dwarf Champion

The Largest Fruited Upright Growing Variety in Existence

This is another of our splendid new varieties. In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles Livingston's Stone in color, shape, and what is more remarkable, it is almost the same in size.

We consider this one of our best productions, one that will meet with general favor, especially with the class of growers whose gardening is limited to a few acres, and where economy in saving land must be taken into account.

The strong, upright growth allows very close planting, at least a half closer each way than the distance required for the ordinary vining varieties. In small gardens the plants may be set 18 x 24 inches apart each way, and yet produce an abundant crop.

The shape of the fruit is perfect, with a good skin, which is free from cracks about the stem end. It is very solid, ripens evenly, and is of most excellent quality.

The Dwarf Stone is fully Double the Size of Dwarf Champion, and yet equally as Early. It is fully as Prolific, and consequently vastly more Productive

To show how very Productive the New Dwarf Stone is, ten fruits have been picked from one vine at same time weighing five pounds three ounces. Five fruits selected by eye for average size weighed two pounds, nine ounces. This was under field cultivation on farm land, with no fertilizer. Specimens weighing one pound each are quite common.

Price of Seed—Packet, 15c.; 2 packets, 25c.; $\frac{1}{2}$ -ounce, 30c.; ounce, 50c.; $\frac{1}{2}$ -pound, \$1.50.

Cluster of
Dwarf
Stone.
Average
weight
12 ounces.

THE GARDENER'S AIM

For 1904 should be better results than in any previous season. A good location for the garden is quite important, proper soil is very desirable, the best of care and a favorable season imperative, but all will be of no avail if the seeds are not right—"TRUE BLUE"—true to type and full of vitality. In regard to the best locations, soils, treatment, etc., they will be found mentioned in the cultural directions, under the respective headings, throughout this book, and on the bags containing the seeds; but we want to emphasize, right here, more particularly, the importance of having the very best seeds. Too little attention, as a rule, is given by the new beginner to the selection of the season's supply. The experienced gardener knows very well his skillful efforts and excellent soil will be wasted on unreliable seeds. The cost of seeds, as compared to the value of the crop, should hardly be considered, providing they are the right kind. Poor seeds, low priced seeds, give-away-government seeds, secured with the one idea of cheapness, will be found expensive, no matter how small the cost. Better get half enough, if necessary, and have them of the right kind.

Our constant aim and ambition for more than fifty years, has been to supply this kind—"The TRUE BLUE". Our rapidly increasing trade makes us think our efforts are appreciated.

Among some of the new things which we have to offer for 1904, and in which we have great confidence, we mention the following: Our New Dwarf Stone and Purple Dwarf Tomatoes, Snowwhite Celery, Eureka Extra Early Cabbage, Rusty Coat, Daybreak and John Bull Potatoes, Reid's Yellow Dent Field Corn and Top-Notch Mixture Nasturtiums. These may be planted liberally, with safety.

Thanking patrons of past years and soliciting a share of your future orders, we remain,

Yours for future order,

THE LIVINGSTON SEED COMPANY,

STORE—114 North High and 15-17 East Long Streets.

COLUMBUS, OHIO.

True Blue Seed Farm, Trial Gardens and Greenhouses near the City.

IMPORTANT SUGGESTIONS.

COLUMBUS is a city of over 140,000 inhabitants, is centrally located geographically, has 17 Railroad Systems, which practically cover the entire country, 5 Express Companies, Telegraph and Telephone wires in all directions, which afford us unequalled facilities for receiving orders, shipping and procuring lowest rates to all parts of the country; besides you have the assurance of getting your order in the quickest possible time,

Within Twenty-four Hours time we can reach two-thirds of the Population of the United States. Always Use the Order Blank and Envelope sent with the Catalogue when possible. Write plainly, keep a copy of your order, and be sure to sign your name, Post-Office, County, and State every time you write to us. Extra Envelopes and Order Blanks are sent on application, also additional Catalogues, if desired.

Send Money. Cash should always accompany the order. Remittance may be made by check, risk of any of the following methods: (1st and best)—Post-Office Order; (2d)—Draft on New York; (3d)—Express Co.'s Money Order; (4th)—Cash by Express in amounts not less than \$5.00; (5th)—Registered Letters. When money cannot be sent by either of the first four methods it may be enclosed in a Registered Letter. The rates charged for Post-office Orders and Express Money Orders are now so low that this is the best way to remit where they can be obtained. We will bear expenses of sending money in either of above ways when order amounts to \$1.00 or over.

No Goods Sent C. O. D. Unless cash to the amount of one-fourth the order accompanies the same.

Seeds by Mail. Sending seeds by mail is a very important branch of our business, and we are prepared to fill orders promptly and correctly the day they are received in nearly all cases.

Our Prices. In comparing our mail prices, especially on heavy seeds, such as Peas, Beans and Corn by the quart and the pint, and other seeds by the pound and one-fourth pound, BEAR IN MIND that we pay the postage, and advise not to remember another thing—packets of heavy seeds, like Peas, Beans, etc., quoted by some seedsmen at 5 cents per packet, *postpaid*, contain but a small amount of seed, after allowing for the 2 or 3 cents postage that it requires to mail each packet. Pretending to please customers rather than disappoint them we put up liberal 10-cent packets of such seeds.

Order Early. It is important to order as soon after you get the Catalogue as convenient, then you will have your seed at hand and for planting when you want them; besides if you want them in large quantities, they can be sent by freight very much cheaper than by express. Small orders, however, can often be sent by express as cheaply.

Shipping Directions. When goods are to be shipped by freight or express, give plain shipping directions; otherwise we use our best judgment.

Large Orders. Any Dealer, Market Gardener, Institution or any individual wishing seeds in large quantities, are requested to mail us a list of what they want and we will promptly return it to you with the very lowest prices marked. A letter of inquiry may save you dollars if you want to buy in quantity.

Small Orders. If you only want a single packet, do not hesitate to order it. We take as much pains with small orders as we do large ones. Small True Blue Seed orders are sure to grow larger.

Be Free to Write us for any information pertaining to our business, and not found in this Catalogue, on a separate sheet of paper from your order, as your letter goes to the general office and your order to the mail or other department.

BY OBSERVING THE FOLLOWING RULES AND DIRECTIONS MISTAKES AND MISUNDERSTANDINGS WILL BE AVOIDED.

We Urge Customers to inform us promptly on the arrival of orders if not in good condition, well packed and filled exactly as ordered; also to report, after growth, the result, more especially if this proves otherwise than expected. We aim to make friends of our customers, and mail orders receive the same careful attention that customers do over our counters.

Our Seed Annual. Please show this Seed Annual to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds, who will be pleased to get it. We will be glad to send a copy free to any of your friends likely to want seeds in this or any other country. In return we will ask you to speak a good word for us to your friends and neighbors. An order this season, no matter how small, secures our Catalogue for next season as soon as issued.

Change of Address. If you have changed, or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Seed Annual, at your new Post-Office.

If you have Rural Mail Delivery be sure to give the Name and Number of your Route, if necessary, when ordering.

Guarantee. Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds from giving satisfaction, such as sowing too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before, they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. Soil preparation for the reception of seed is very important. If not properly done seed with very high germination is bound to perish. For all these reasons it is impossible to guarantee seeds under all circumstances, and, while we exercise the greatest care to have all seeds pure and reliable. We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds sown or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. We test our seeds before sending out, and would the false grower, if promptly and properly tested by the customer, we will replace the same amount or give value in others. We cannot afford, knowingly, to send out seeds doubtful as to vitality or purity, and you can get no better stocks of any seedsmen, even though he deceitfully professes to warrant seeds, which frequently covers nothing but the amount paid for the seed. If you do not think so inquire into the extent of the warranty and you will ascertain that your warrants are not crop protection. A guarantee from an irresponsible seedsmen is of no value whatever.

The Livingston Seed Company's NOVELTIES AND SPECIALTIES

Novelties are usually the most interesting to customers, no matter how many favorites they may have among the many standard varieties. It is our aim to offer in this department nothing but varieties of real merit and value, and such as are highly endorsed by leading specialists, farmers and growers throughout the country; hence, customers are seldom disappointed in any Novelty we offer. One of the uses to which our Trial Grounds, near this city, are put is the thorough testing of all new things as soon as offered.

We are always pleased to receive Samples of New, Rare or Superior Seeds, Potatoes, etc., from our customers for trial.

Royal Corn Bean.

This is a remarkably good green-podded snap pole bean, whose pods are produced in large clusters or handfuls; (see cut), shape long, 6 to 8 inches, semi-round; stringless; very tender, and produced in wonderful profusion. The dry seed is pure white and resembles Dwarf White Kidney.

The Royal Corn will produce twice as many string beans from the same ground as any bush kind. Grows in clusters, takes very short time to gather a bushel, and no stooping is required, as with bush beans. Beans can be shelled green for summer market, or left to ripen for "dry beans." Specially adapted to growing on corn, thus economizing space on valuable land where poles are scarce. Postpaid—Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 60c. By Express, not paid—qt., 40c.; 2 qts., 70c.; 4 qts., \$1.25

Burpee's Brittle Wax Bean.

EXTRA EARLY. EXTRA HARDY.
EXTRA QUALITY.

The originator says of it: "It gets its long, straight, handsome, round, pulpy pods, vigor and productiveness from such noble parentage as Round Pod Kidney Wax, Pencil Pod Black Wax and Round Pod Refugee. It is entirely stringless; color, rich yellow; quality exceptionally fine; plant vigorous and productive. In fact, I do not see how this bean could be improved. The Refugee blood in it gives the desired hardness so necessary to an extra early sort."

Packet, 10c.; 3 packets, 25c.

10 Pods Royal Corn Bean from One Cluster.

HALF SIZE GOLDEN CARMINE

New Golden Carmine Podded Pole Bean.

A New Strain of Horticultural Pole.

EXCELS IN EARLINESS, QUALITY, HANDSOME APPEARANCE AND PRODUCTIVENESS.

The New Carmine-Podded Pole Bean is a new snap-short pole bean. The refined cut shown above, gives some idea of the form and markings of the pods as they approach maturity. The prevailing shade is a beautiful light carmine-red, exceedingly attractive, but throughout the edible stage it is creamy-yellow. They are entirely stringless, cook quickly and have a most savory quality. The green beans, when shelled, are also of excellent flavor, boiling dry and sweet, like chestnuts. The growth is healthy, vigorous, and the vines very productive. We find this new bean a most useful substitute for pole Limas, as they are more easily grown. Postpaid—Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 60c. By Express, not paid— $\frac{1}{2}$ pk., \$1.50; pk., \$2.75.

Livingston's Emerald Cucumber

Introduced by us in 1897.

We were eight long years in working up this variety to produce a dark green Cucumber that would hold its color. It is strictly an evergreen, retaining its color until quite ripe, making it an attractive variety. The fruit sets early, and its vigorous vines. As a slicer the flesh is perfectly crisp and tender, and the flavor most pleasing. The young fruit being deep green, straight, slender and almost spineless makes an excellent pickle, and when ripe none excel it for making sweet pickles. For those who grow under glass, or for long-distance shipping, it will prove a boon on account of holding its deep green color so long: read the testimonial of Mr. Field on this point. It is not excelled for beauty in color and form. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25, postpaid.

HENRY FIELD, Page Co., Iowa, writes, March 23d:—"The Cucumber has begun to fail at last, although it still keeps a good color. It has held its own, on my desk, for over six months and has withstood all temperature short of actual freezing; has been handled by hundreds of people, and has been on exhibition at a fruit show. The color is as brilliant a green as the day it was brought in, and it is yet so solid that it would pass in market now. I am mailing this photo, but it gives a poor idea of the beauty of the Cucumber itself. I do not believe there is another Cucumber in the United States with such a record."

R. S. TEMPLE, Labette Co., Kan., writes:—"The Emerald Cucumber is the finest for shipping that I ever raised."

W. H. MOORE, Polk Co., Florida, writes:—"The Emerald Cucumber is so good that I want no other."

Photo of Livingston's Emerald taken six months after being picked from the vine.

Livingston's Snowwhite Celery.

NEW CABBAGE.

Eureka First Early.

It is claimed by the introducer of the EUREKA FIRST Early, in comparison with Wakefield, that it is heavier, hardier, earlier, and, in addition, has a flat head. Its shape and excellent table qualities make it a favorite with consumers. Read the opinion of one of the most extensive growers in this country: "This cabbage, in every trial I have made, has proved to be the earliest flat head variety. I am not quite sure of its origin, but there is evidently a cross between the Early Wakefield and one of the early flat varieties. It is a cabbage of excellent constitution, healthy and not subject to disease, a reliable header, extra early and a sure and productive cropper. Pkt., 10c.; 1/2-oz., 25c.; oz., 40c.; 1-lb., \$1.25; lb., \$3.50, postpaid.

Livingston's New Snowwhite

—BEAUTIFULLY WHITE.—

The new Snowwhite is a pure white, self-blanching variety, introduced by us in 1902 after five years of careful selection and improvement. It is without a rival in purity of color. Read the originator's report, below, on this point. In vigor of growth, ease of blanching, size, richness of flavor, crispness and purity, it is ideal. Our picture made from a portion of a photograph of one dozen stalks, gives some idea of the hearty of this variety, but not of the size. The dozen stalks weighed 20 pounds. Single stalks sometimes weight 2 1/2 pounds, and quite frequently 2 pounds each. It grows solid on all kinds of soil and keeps better than many standard varieties.

Packet, 10c.; 1/2-oz., 30c.; oz., 50c.; 1-lb., \$1.75; lb., \$6.25.

A PICTURE PERFECT.

Read what the noted Celery Specialist and author of a book on celery growing, Mr. E. J. Hollister, has to say about our New Snowwhite: "In regard to sample of Celery I saw at your store, would say that it impressed me very much, and was the finest Celery of the white type that I ever saw. First, the pearly whiteness of the stalks, which denotes good constitution, together with the size, strength and number of the stalks. In all it was a picture perfect, and if it will not develop too many green heads every year like the White Plume, it will soon supercede that variety."

ORIGINATOR'S REPORT.

Also this from our grower and originator: "In the season of 1900 I set 7000 plants of Snowwhite, and found seven green stalks, in 1901 3000 plants and only one green stalk, and in 1902, 6000 plants and not a single stalk that was not pure white. It does well where others fail. In one patch I set 200 plants of the Kalamazoo variety with the Snowwhite, and the former was pithy and unfit for use while the later was all good."

The Prairie Side Celery Co., Tecumseh, Mich., writes:—We are sending you today by express prepaid, a box of your "Snowwhite Celery," which we think you have good reason to be proud of. We have had several bunches, which, when washed and trimmed, weighed 27 pounds, each. We must say that for flavor, it far surpasses White Plume, and we shall want more of it next Spring."

Wm. A. Strous, Adelpia, O., writes:—"The Snowwhite Celery has given the best satisfaction with my customers, and myself, of any celery I have placed on the market. It is a strong grower, easily blanched, even to the very top of the leaves, very tender, not stringy, finely flavored, and a splendid keeper. I have raised it two seasons, and cannot give it too much praise."

H. F. Real, Batavia, N. Y., writes:—"Having grown your Snowwhite Celery for the past two seasons, I find it grows good size, very neat, sweet and tender, and blanches with very little banking, and it is a good winter keeper. It kept with me until April. I tested your Snowwhite Celery along with the White Plume. Had them side by side. The Snowwhite is by far the better."

New Illinois Winter Market Cabbage

The Illinois Winter Market is a splendid New variety introduced by us last spring, and the past season's results fully substantiate our claim that it is by all odds, the **Best Late Cabbage in Cultivation for Winter Storing**. The dark green color proclaims it a vigorous grower. The stalks are short and it heads up close and solid. Heads average 12 to 15 lbs. Its keeping qualities are unexcelled. Last winter, in the great cabbage growing sections of Long Island, it kept perfectly, where other sorts were destroyed. The gardener who wants a cabbage for winter and early spring sales should select the Illinois Winter Market. Pkt., 10c.; oz., 30c.; 1/2-lb., \$1.00; lb., \$3.25, postpaid.

A Large Cabbage Grower writes:—"I have grown your Illinois Winter for two years and find it a very distinct late variety of vigorous growth, has hard solid, round heads and it keeps extra well over winter."

New Eureka First Early Cabbage.

ONE PACKET EACH OF THE ABOVE SUPERB CABBAGE FOR 16c., POSTPAID.

60 Days—New Extra Early Premo Sweet Corn—60 Days

A Pure Sweet Corn, Earlier Than Extra Early Adams.

Premo Sweet Corn.

The illustration herewith is from a photograph of two average ears from our crop last summer. It is a "sixty-day" sweet corn, and "not only combines all the merits of the leading early varieties, but it is also really superior to them all in size, quality and yield. Premo can be planted fully as early as the Adams, for the young plants withstand slight frosts, while other varieties are tender and the seed of them will rot if planted before the soil becomes warm. The stalks grow about five feet high and are very vigorous, generally bearing two well-developed ears to the stalk." Many favorable testimonials have been received regarding this corn, and from our own tests (having grown several acres the past season) we do not hesitate to recommend it to our friends. Postpaid—Pkt., 10c.; ½-pt., 15c.; pt., 25c.; qt., 40c. By Express, not paid, 4 qts., \$1.10; pk., \$2.00; bu., \$7.00.

C. E. Holmes, Franklin Co., Kan.: "I consider your New Early Sweet Corn, Premo, the best sweet Corn I have ever had any experience with."

F. G. Zimmerman, Frederick Co., Md., writes: "I planted Premo May 1. It tassled June 5, silked June 15, large enough to eat June 27—just 56 days from planting."

Livingston's Large Bon Ton Lettuce.

Quick Grower. Crisp and Delicious. Ornamental.

We have had this variety for upwards of ten years, and as we have never had a complaint, but always words of highest praise for it, we feel warranted in offering it to the public. It is of the Simpson type, but unlike them, in that the Bon Ton comes absolutely true. We have seen a whole greenhouse full of it without a single variation as to type. One greenhouse man says of it: "It is the most uniform in growth of any." It is a very quick grower. A market gardener writes us: "I do not know of any lettuce that will make as large a head in so short a time." It is deliciously sweet and tender, and remains so even when running to seed. It has a beautiful light green outer head, changing to a rich cream shade at the heart. It is just enough wrinkled to make it beautiful, yet not enough so as to render it difficult to prepare for the table. It is especially adapted to local markets and family gardens, but for shipping it is not so good on account of its exceeding crispness. See outside of cover page for picture of Bon Ton in the natural colors. Pkt., 10c.; ½ oz., 25c.; oz., 40c.; 4 ozs., \$1.25.

New Harbinger Lettuce.

A Big, Early, Head Lettuce. The trials of the Harbinger at our True Blue Seed Farm resulted in heads twenty per cent larger than such varieties as Big Boston, Deacon, Iceberg, Defiance, etc., planted at the same time. As a variety to grow in cold frames, late in winter, or as a first crop outside, it is worthy a liberal trial. Heads large, sometimes eight inches across when trimmed; a beautiful shade of green; leaves beautifully crimped and curled at the center of head, outer loose leaves quite smooth. A good sort to plant for succession as it stands summer heat very well. Combines earliness, hardness, large size and fine quality, a rare combination in a single variety. Pkt., 10c.; oz., 20c.; 2 ozs., 35c.

New Pepper Chinese Giant.

Illustration below from Photograph about one-third Natural Size.

Without doubt the very best and largest Mango Pepper ever introduced. Its mammoth size, splendid shape, beautiful, rich, glossy-red flesh and mild flavor, all lead us to speak of it in words of commendation. Its strong, bushy plants, which are literally loaded with the large fruits, begin bearing quite early and continue throughout the season. Has very few seeds, hence the genuine must necessarily be high in price. Beware of cheap, imported stock. Our crop of this was very true the past season. Pkt., 10c.; ½ oz., 30c.; oz., 50c.; 4 oz., \$1.50; lb., \$5.00.

Prosperity, or Gradus Pea

is a long step in the Pea world toward prosperity, as it combines earliness with large size in a green wrinkled pea. This is what the market gardener wants. "They fill a bushel basket." In earliness they follow closely after the first earlies. In height they are 2½ to 3 feet. The vine is robust and the foliage very vigorous, bearing their bounteous, large pods profusely over the vine. The pods are nearly round, long and straight, well filled with luscious sweet peas of the finest quality. An exceedingly profitable variety for marketmen to grow. Postpaid—Pkt., 10c.; ½ pt., 20c.; pt., 35c.; quart., 60c. By Express, not paid—qt., 10c.; 2 qts., 35c.; 4 qts., \$1.50; peck, \$2.75; bu., \$9.50.

Livingston's Bon Ton Lettuce.

J. W. Brubaker, Mercer Co., O.: "Your seeds are giving great satisfaction. I have taken first premium on your Chinese Giant and Improved Thick Long Red Pepper and other vegetables. They are 'True Blue' without a doubt."

Chinese Giant Pepper.

New White Munich Radish.

The excellence of this new radish is found in the quite pronounced, but nevertheless agreeable, pungency of its flavor. It is very crisp and tender and has an extremely smooth and fine grained skin with no tendency to throw out side roots. The illustration above shows its shape and color. Suitable both for forcing and out door cultivation. Pkt. 10c. 3 for 25c.

Crimson Giant Forcing Radish

A new variety combining earliness and great size. It grows much larger than forcing varieties, but does not become pithy even when fully twice as large in diameter and a week older. Color a beautiful crimson carmine; flesh firm, crisp and tender. We recommend it for first out door planting. Pkt., 10c.; oz., 15c.; ¼-lb., 50c.; lb., \$1.50.

New Potato RUSTY COAT.

The New Rusty Coat has and ideal form, being uniformly long, slightly flattened, entirely free from prongs, and the eyes are even with the surface. Its beautiful buff skin, with a perfect, heavy netting like a Russet Apple, is decidedly attractive, and this together with flattened shape, indicates highest quality, especially as a baker.

"A Baked Potato"—who does not like a good one, for this purpose a better than Rusty Coat could not be secured even if made to order." Its flesh is of finest texture, free from hard or black spots. Cooks white as flour, bursting open at any season of the year and is of finest flavor. It is an abundant yielder, some very large crops having been reported.

They Sell on Sight in market because everybody knows a potato with skin like Rusty Coat will cook quick and good and well. They bring the very highest market prices and commission men tell us they cannot get enough of them. The seed we offer, is strictly pure, hand sorted, and nothing could be finer as a starter in this very desirable new and entirely distinct potato. Price Choice Stock seed, by Mail, (postpaid), lb., 30c.; 3 lbs., 75c.; (25 eyes for 25c.) By Express or Freight, (not paid), ½ pk., 30c.; pk., 50c.; bus., \$1.50; bbl., \$1.25; 3 bbls., \$12.00; 5 bbls., \$18.00; 10 bbls., \$35.00.

Ornamental Pomegranate "Queen Anne's Pocket Melon"—Grows on a pretty vine: its handsome fruit is a lemon-yellow, striped with dark orange, varying from size of a small peach to that of an orange. Very fragrant, sweetly perfuming a room with their pleasant odor for days. Pkt., 5c.; 6 for 25c.

Exquisite Parsley.

Livingston's Exquisite Parsley

One of the main features in any variety of Parsley, is the ornamental effect of its leaf when used for garnishing. This is a very strong point in our new Exquisite, with its beautiful and closely curled leaves of handsome dark green shade, while the flavor is all that could be desired. As a pot plant for winter decoration, in window, or on dining table, it is simply "exquisite." It is altogether the finest strain of curled Parsley that has ever come under our notice. Pkt., 5c.; ½ oz., 10c.; oz., 15c.

OTHER OPINIONS.

Messrs. Pletsch & Sutton, (Fulton Market), leading potato handlers of Columbus, say:—"Your Rusty Coat Potato out-sells anything in the Potato line, on account of its excellent table qualities. Customers will have no other, when Rusty Coats are to be had, and willingly pay fifty cents a bushel advance over any other variety in the market. We never can get half enough to go round. If farmers everywhere would grow them, they would surely find ready sale for them."

C. M. Grossman, of North Mich., writes:—"Rusty Coat Potatoes command the highest price here for the Chicago market and also sells the best on the local market. They are great yielders, equal to Carman No. 3."

Another Large Michigan Grower, writes: under date of Nov. 22nd, 1903:—"Your Rusty Coat Potatoes are fine and free from rot. They are the most satisfactory Potatoes we have grown for a long time. Have one or two laid up from last year, they are good yet, they have been dug more than fourteen months. We sold a few for seed last year, and everyone speaks highly of them, and they sell better than any other potato."

Rusty Coat Potato.

GENUINE OLD PEACH BLOW POTATO.

Peach Blow alone. Another year we intend to grow a large stock of them and offer same in our seed Annual for 1905, but we have a number of bushels this season, above what we have reserved for plant stock, that we propose **GIVING AWAY** for the seedling in the following manner: (None for Sale.) All customers for Rusty Coat Potatoes may order free, Peach Blow Potatoes, as follows: One Peach Blow Potato may be ordered where an order for Rusty Coats amounts to a peck or over. Three to a bushel; Six to a barrel. Orders will be filled in rotation, as received. **WE HAVE NO PEACH BLOWS FOR SALE THIS SEASON, BUT GIVE THEM AWAY, AS ABOVE.**

Two years ago we were fortunate in finding a few of the genuine old time **White Peach Blow** potatoes. They cook dry and mealy and have that desirable flavor peculiar to

NEW TOMATO

Livingston Purple Dwarf

BIGGEST FRUITED DWARF PURPLE. HOLD UP IN SIZE UNTIL FROST.
DOUBLE SIZE OF DWARF CHAMPION.

The New Livingston Purple Dwarf is about double the size of the original Dwarf Champion. It has every good point of Dwarf Champion, and besides, the increased size, which is a decided advantage. Many gardeners have been compelled to discard Dwarf Champion on account of being under-market size—a decided drawback. The skin is of a beautiful, rich, glossy rose, tinged with purple, perfectly smooth, and not liable to crack easily. Flesh solid and thick, with few seeds. A very productive variety. Its yield per acre is very largely increased on account of the large size of fruit and the close planting permitted by its short, bushy plants. They are dwarf, vigorous, of upright growth, hardy and dark green in color. Begins bearing early and continues until killed by frost, another advantage it has, which is not common to all dwarf sorts. All kinds of growers need this new variety. Pkt., 10c; $\frac{1}{2}$ -oz., 25c; oz., 45c; $\frac{1}{4}$ -lb., \$1.25.

Livingston's Purple Dwarf.

The New Magnificent Tomato

A magnificent new tomato for 1904. A large and productive, smooth variety, with beautiful scarlet colored fruit. Worthy of trial by all tomato growers. Regret we do not have more space to show illustration and give better description of this new tomato. Our stock was produced on our own farm from original seed and can be depended on as strictly all right. Pkt., 10c; 3 for 25c; $\frac{1}{2}$ -oz., 40c; oz., 60c; 4 ozs., \$2.00, postpaid.

One Type of the Thompson Asters.

Thompson's Charming Asters.

This choice new strain of Asters originated with Mr. Thompson, a retired merchant of this city, who being a great lover of flowers has made a specialty of new Asters and Sweet Peas, his great ambition being to excel all other growers of extra fine stock for this market. For four years past we have had the pleasure of visiting Mr. Thompson at various times during each season and at the same time have made tests in our trial grounds of his various strains of Asters, along side of many others of this and other countries, and we are free to say that they excel all, and sell first of all at our Cut Flower Counter. They are decidedly distinct and valuable and cannot be excelled for Cut Flower purposes as all have long stems and with bloom full to center. Are equally desirable for amateur growers as there is no more beautiful sight than a bed of these fine Asters that cover the season from very early to very late, or about the time Chrysanthemums begins to bloom.

Thompson's All Seasons Mixture

Includes Earliest of All, Mid-Summer Queen, Late Perfection and many other strains produced by Mr. Thompson. The colors and shades are all that can be desired. Pkt., 15c; 2 pkts., 25c; 5 pkts., 50c.

Burbank's New Columbine.

CLEMATIS-FLOWERED.

A new and very beautiful type; a great scientific achievement as the flowers both double and single have the spurs wholly eliminated, the flowers being flat and are similar in form and color of the Clematis; they originated from crossing and selecting several fine sorts and the size and color are equally good. About 60 per cent comes true Clematis flowered, the others are all large and handsome. Pkt., 20c; 3 for 50c.

New Golden Wheel Chrysanthemum.

Golden Wheel "Mum."

In this new and pretty annual Chrysanthemum the flowers of which assume a peculiar form, the quill-shaped ray florets stand out all round the disk like the spokes of a wheel. (See cut.) The flowers are beautiful golden yellow with fine purple centers. The profusion with which they are produced render them exceedingly valuable for cut flowers. Pkt., 10c; 3 pkts., 25c.

Grand New Single

.... Dahlia, 20th CENTURY

This new variety originated with one of the most noted Dahlia specialists and growers in this country. We give his description of it. "The most exquisite Dahlia ever introduced, and the first of a new race. No orchid could be more delicate in color or richer in shading. It is purest white at the tips and base of the petals, gradually shading toward the center of the petals to delicate blush rose, becoming deeper at the center of the petal. A wonderful blending of colors. The flowers are of largest size, 6 to 7 inches across and of splendid form, while the plant is a very strong grower and profuse bloomer. Valuable not only as a garden variety but also for cutting, bringing prices equal to if not greater than, those paid for roses. No collection will be complete without it. Seeds per pkt., 20c; 4 for 75c. Roots, each, 30c; 4 for \$1.00. Good strong plants supplied, if roots run short.

Gaillardia, New Semi-Double Grandiflora.

No species of Perennials excels the Gaillardia grandiflora in all-round value. This is due to its very large and extremely showy bloom, which is produced so freely and continuously as to render it invaluable for the herbaceous border, while as a cut flower it enjoys a universal esteem. This new variety grows about two feet high and throws up long sturdy flower stalks crowned with giant flowers which measure nearly 4 inches across. The ray florets appear frequently in 2 or 3 rows and assume either a tubular or a broad and lacinated form. Colors are from light to deep golden yellow in many cases tinged more or less at the base with wine red. With these the velvety maroon red of the disk florets forms a sharp and brilliant contrast. These large-flowered semi-double hybrids, which comes about 60 per cent true from seed, are uncommonly effective and will be found of inestimable value for cutting purposes. Pkt., 10c; 3 pkts., 25c.

Phlox Dwarf Radiata.

New Giant Climbing Nasturtiums. "Jupiter."

Giant in Size, Rich in Color, Effective in Vases.

This superb Nasturtium attracts instant attention by the great size, exquisite form and rich color of the flowers. The largest Nasturtium that has ever been offered. The flowers measure $3\frac{1}{4}$ to $3\frac{3}{4}$ inches in diameter, the petals $1\frac{1}{4}$ inches across. When the blossoms first unfold they have a most beautiful crinkled, crepe-like look that is very attractive and when well opened they retain much of the crepe-like effect. The petals overlap and the flowers are exquisitely formed. The color is a splendid rich brilliant yellow. They are very effective for vases, keeping for several days in water. Packet, 10c; 3 pkts., 25c.

New Phlox Dwarf Radiata.

No class of annuals seems to give rise to so many varieties as the old Phlox Drummondii, of which six or seven different classes are now in cultivation. This novelty, however, marks the beginning of a new division, owing to the peculiar shape of the petals of its flowers. These unite in the form of a small five or six pointed star as shown in the cut, quite unique in its appearance and of a peculiar charm. The plants are distinct in growth, being even more dwarf and prolific than any of the other dwarf compact varieties; they form sturdy miniature bushes literally covered with blooms which retain their beauty for a very long period. This first variety of the radiata Phloxes has appeared in a very fine color, the blooms being of rich carmine red with two white stripes on each petal, a pleasing tint which shows the novel shape of the flowers to great advantage. Pkt., 20c; 3 pkts., 50c.

Roses New Large-Flowering Hybrid Perpetual.

The originator of this novelty claims for it that the seeds are gathered from a selection of the largest-flowering, sweet-scented and hardiest varieties, which resist the severest frosts, the seed of which germinates easily. He says the seedlings bloom a little the first year, better the second, and are in full flower the third year, when they show a rich variety of all the finest colors, 75 to 80 per cent being double. Pkt., 25c.

Three Charming New Sweet Peas.

New Earliest Sunbeams This might be described as a Primrose Mont Blanc. The latter being the very earliest white sort known it will be eagerly sought for by commercial florists as, with Earliest of All, it now gives a third color in this distinct class of early Sweet Peas for forcing. It is equally desirable also for early spring flowering in the open ground, particularly in sections where the later sorts are apt to be cut off by extreme summer heat.

Flowers of good size, fine substance, and well formed, of a **Rich Primrose Color**, and generally borne three on a stem; stems strong and of good length for cutting; plant is comparatively dwarf growing. This new color coming into bloom at the same time as the first pure white and "Pink and White" Sweet Peas (either grown under glass or in the open ground) will furnish a third color at least two weeks before the general-list Sweet Peas come into bloom. Pkt. (40 seeds), 25c; 5 pkts., \$1.00; half-size pkts., 15c.

New Dainty Sweet Peas A novelty sent out this year for the first. The flowers are very large and gracefully set on long, stout stems. The color is pure white with the edge of the petals daintily tinted with exquisite pink. Pkt. (20 seeds), 10c; 3 for 25c.

Mont Blanc Sweet Pea This variety is of very graceful habit, throwing the blossoms well out, from the foliage so that every one is well exposed. Its greatest merit is in its extreme earliness and consequent fitness for forcing. Flowers of very good form and size, and pure white. Pkt., 5c; 5c, 10c; 3c, 20c.

For select general list of Sweet Peas see pp. 76 & 77.

Vase of Stokesia Cyanea.

Stokesia Cyanea. Cornflower Aster.

One of the most valuable hardy bedding plants, recently introduced. Once seen, everyone wants a bed of them. We regard them as a pure white, while it is a good one, falls to its delicate beauty. It is universally admired by everyone. The plants grow 18 to 24 inches high and produces its Bachelor-Button-like, light lavender-blue flowers, which are four to five inches in diameter, and from early in July until late in October, after the frost has destroyed almost all other flowers. It is very easily grown in almost any situation, but care should be taken that water and ice do not remain on the plant during the winter. It is desirable as single specimens in mixed hardy borders, or may be used in large masses with striking effect. The flowers are one of the finest for cutting. No collection of hardy plants is now complete with Stokesia omitted.

PRICE—Seed, pkt., 15c; 2 pkts., 25c. Plants, each, 15c; 2 for 25c.

New Shasta Daisies.

To-day no other flower can compare in extent of usefulness. Their first qualification is hardiness. They can be grown out of doors by everybody where it is not cold enough to kill oak trees. They are perennial, bloom better and more abundantly each season. They can be multiplied rapidly by simple division, and they are not particular as to soil. They bloom for several months—in California nearly all the year. The flowers are extremely large and graceful—averaging about a foot—often more in circumference, with three or more rows of petals of the purest glistening whiteness, on single stems nearly two feet in length. Our seed is direct from the originator, having been grown by him personally. Pkt., 25c.

REMEMBER—An order sent to us in 1904 secures not only the Fall Catalogue of Hyacinths, Tulips, Narcissus, Crocus and other bulbs, but also the New Seed Annual for 1905.

FIELD SEEDS—We are proud of our Field Seed Department. Ask us for prices and samples in this line, stating quantities you think of using.

New Sunbeams Sweet Pea.

New Azalea.

AMOENA (*Dwarf Azalea*).

This new hardy evergreen shrub forms particularly neat, symmetrical bushes from 2 to 2½ feet high, and have dark, glossy green leaves; in early summer when covered with its rosy-red double flowers nothing can be more showy. Each, 50c., postpaid.

NASTURTIUMS (Sturtians.)

LIVINGSTON'S TOP-NOTCH MIXTURE—A magnificent strain containing countless shades, colors, stripes, blotches and veinings, unexcelled by any other mixture offered. See picture opposite of a few of the varieties which we have had printed in the natural colors to show the beautiful shadings, fine form and large size to be found only in our Top-Notch Mixture. Pkt. 10c.; oz. 15c.; 2 oz. 25c.

Kudzu Vine used on Veranda.

The Famous Chinese Kudzu Vine

"Jack-and-the-Bean-Stalk Vine."

The phenomenal growth of this new Chinese hardy vine can hardly be imagined. It has been known to grow 12 inches in a day. The large leaves of bright green afford a dense shade. The clusters of rosy-purple, pea-shape flowers six or seven inches long, are very fragrant; invaluable for rapidly covering arbors, verandas, fences, dead or old trees, rockeries, etc. Perfectly hardy, grows to a height of 50 to 75 feet after becoming well established. It can be cut back in the fall without injury, if desired. We have a fine lot of plants. Each, 25c.; doz., \$2.50.

Pilogyne Suavis

This beautiful and rapid-growing tender climber is excellent for screens or verandas; in fact, for the latter it has no equal. Fine, also, for house in winter. The plant makes wonderful growth, forming a mass of foliage that will entirely cover a window or screen in a short time. It is a real good thing and should be planted liberally. Each, 15c.; doz., \$1.50, postpaid.

How to Make a Flower Garden.

A new book which is the best and most beautifully illustrated of any on this subject which has yet appeared. It is written by experts and covers all branches of the subject, containing accounts of actual experiences in various parts of the country which are of especial value. Size 8 x 10½; pages, 250; about 100 pictures; cloth binding, \$1.60 postpaid.

Giant Flowering Caladium.

(NEW CENTURY.)

In general appearance this plant somewhat resembles the common Caladium (*C. Esculentum*) but is entirely distinct, being much larger and grander, and vastly superior in every way. The flower resembles a giant Calla, is a foot or more in length, and remains open for several days and nights; the first two days it is of the purest snow white, the third day it changes to a pale yellow. It is of the easiest culture, enduring adverse conditions well. The leaves attain a great size, frequently 3 to 5 feet in length and 2 to 2½ feet broad. Price of Plants—Each, 15c. Extra strong plants, each, 25c.

Giant Flowering Caladium.

OUR GREAT \$1.00 Vegetable Collection

CONTAINING HIGH CLASS STANDARD, ALSO MANY NEW VARIETIES.

BY MAIL, POSTPAID. Positively no Change can be Allowed. Made up of our Regular Sized Packets, and not put up expressly small for the occasion. Positively NO DISCOUNT can be allowed on this Collection. OTHER DISCOUNTS OR SPECIAL OFFERS in this book can be taken with this Collection.

- 1 Beans—Dwarf, New Giant Stringless Green Pod.
- 2 Beans—Dwarf, Livingston's New Pencil Pod Wax.
- 3 Beet—Crosby's Egyptian. Very early and very good.
- 4 Beet—Detroit Dark Red. Early. Smooth, round, sweet.
- 5 Cabbage—Early Spring. One of the best for early use.
- 6 Cabbage—Livingston's Ideal. Best winter variety.
- 7 Celery—Giant Golden Heart. Finest flavor.
- 8 Celery—White Plume. Well-known "Self-Blanching."
- 9 Cucumber—New Cumberland. A great pickler.
- 10 Cucumber—Livingston's Evergreen. Best pickle.
- 11 Corn—Livingston's Evergreen. Sweetest of all.
- 12 Corn—Kendall's Early Giant. Large size, sweet.
- 13 Lettuce—Crisp-as-Ice. Tender. Best head.
- 14 Lettuce—Early Curled Simpson. Best curly.
- 15 Watermelon—Sweet Heart. Quality can't be beat.
- 16 Muskmelon—Rose Gem. Our new choice green flesh.

FREE

With each order for the BIG DOLLAR COLLECTION the buyer may select one packet of either LIVINGSTON'S FANCY PANSIES, Superb Asters or an ounce of OUR MIXTURE SWEET PEAS.

- 17 Muskmelon—Kinsman's Queen. Salmon flesh, sweet.
- 18 Onion—Large Yellow Globe. Best general crop.
- 19 Onion—White Globe. Best white. Good keeper.
- 20 Pepper—Ruby King. Large, sweet and prolific.
- 21 Parsnip—Zimpher White. Extra good 'sugar' Parsnip.
- 22 Parsley—Moss Curled. Very fine green.
- 23 Peas—Nott's Excelsior. Extra fine dwarf.
- 24 Peas—New Surprise. Extra early, sweet.
- 25 Radish—Cincinnati Market. Great favorite for early.
- 26 Radish—Rosy Gem. Fine turnip shape, red.
- 27 Radish—Livingston's Surprise Mixture of many kinds
- 28 Squash—Bush Scallop. Patty Pan.
- 29 Squash—Hubbard. Fine for pies or baking.
- 30 Tomato—Livingston's Stone. No better seed.
- 31 Tomato—Livingston's Beauty. No better Purple.
- 32 Turnip—Purple Top Strap-Leaf. One of the best.

NASTURTIUM (TALL)

LARGE PACKET	10¢
0z.	15¢
2 oz.	25¢

LIVINGSTON'S TOP-NOTCH
MIXTURE

General List of Vegetable Seeds

All standard varieties of real merit may be found in this Department. We exclude everything worthless, omit an endless number which are out of date, avoid misleading descriptions and the offering of same varieties under different names. General instructions, as to planting and growth, while reliable, will not apply equally to all sections. As some allowance must be made for difference in latitude. Cultural directions will be found on most of our packets.

PACKET DISCOUNTS. We Sell **SIX** 5-cent Packets of Seeds for 25 cents. **THIRTEEN** 5-cent Packets for 50 cents. 10-cent packets count as two 5-cent packets.

On all orders for Flower or Vegetable Seeds in Packets or Ounces the purchaser may select Seeds to value of \$1.25 for each dollar sent us. Thus—anyone sending \$1.00 can select Seeds in Packets or Ounces amounting to \$1.25; or for \$2.00, Seeds in Packets or Ounces, to the value of \$2.50, and so on, **excepting only Cauliflower and Flower Seeds quoted at over 25c. per packet.** ~~See~~ This Discount applies only on Seeds in Packets and Ounces, and does not refer to Seeds offered by weight (quarter-pound, pound, etc.) or measure (pint, quart, etc.) nor to Potatoes, Onion Sets, Bulbs or Plants, nor to special Bargain Offers or Collections. Please do not include any of these when taking advantage of our Packet Discount.

Asparagus Roots By purchasing **GOOD STRONG ROOTS** **TWO YEARS' TIME IS SAVED.** At prices given by Express, purchaser pays the charges when received.

	By Mail, postpaid.	By Express, not paid.
DOZ.	100.	100.
Columbian Mammoth White.	35c. \$1.25	75c. \$6.00
Donald's Elmira.	35c. 1.25	75c. 6.00
Palmetto.	35c. 1.25	75c. 6.00
Conover's Colossal.	30c. 1.15	65c. 5.00

50 at the 100 rate. 500 at the 1000 rate. **SPECIAL PRICES ON LARGER QUANTITIES.**

ASPARAGUS CULTURE—A book giving all possible details as to growing, soil, marketing, canning, etc., for home use or market. 150 pages, 5 x 7, cloth, 50c. postpaid.

NEW TOMATO—Don't overlook our New Dwarf Stone. The largest fruited dwarf tomato in existence.

Seeds by Mail. WE PAY POSTAGE on all Vegetable and Flower seeds ordered in this list by packet, ounce, quarter-pound, pound, pint or quart, unless otherwise noted. We guarantee safe delivery by mail, postage prepaid.

Seeds by Express or Freight. When Seeds are ordered sent by Freight or Express 8 cents for a pound, 8 cents for a pint, and 15 cents for a quart may be deducted from prices in this Catalogue for these quantities, as purchaser pays express or freight charges when shipment is received.

PECK, BUSHEL AND BARREL LOTS—The Freight or Express charges must be paid by purchasers when shipment is received.

MARKET GARDENERS OR OTHER LARGE PLANTERS requiring larger quantities of seeds than are here offered are invited to see our **Special Price List.** This list we cannot send to private gardeners, even if they ask for it, as it is intended only for those who grow for market. In writing, please state whether you are a Market Gardener, Florist, or Dealer in Seeds.

It pays to order heavy seeds and large quantities by Freight or Express, but it must be done somewhat earlier in the season to insure delivery on time.

Artichoke

Fr.—Artichaud. Ger.—Artischoke.

1 inch deep and 12 inches apart, thinning, when up, to 4 inches apart. Protect in winter with a slight covering. The second season they form heads. Once established they continue bearing for years. Pkt., 5c.; oz., 25c.; ¼ lb., 80c.; lb., \$3.00.

✓ JERUSALEM ARTICHOKE ROOTS—For description and prices see Farm Seed list.

Asparagus

Fr.—Asperge. Ger.—Spargel. Sp.—Espurrage.

One of the earliest spring vegetables, and one that should be more generally used. It can be grown in any good garden soil, but does best in sandy, moist soil. To grow plants from seed, sow in drills about one inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, thin out, and the following spring plants may be set in beds 6 feet wide, with a 2-foot path each side; set plants 1 foot apart each way, 4 inches below the surface. Annually, after cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into the soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter cover the beds with 4 inches of coarse straw, manure or leaves, which should be removed in the spring. A bed 6 x 60 feet is ample for an ordinary family, and when well established is good for twenty years. One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce.

✓ COLUMBIAN MAMMOTH WHITE—A distinct variety producing shoots which are white, and remain so as long as it is fit for use. Very vigorous and robust in habit, grows large shoots. Needs no earthing up. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 65c.

✓ CONOVER'S COLOSSAL—A large and rapid grower of excellent quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.

✓ DONALD'S ELMIRA—Originated with a well-known market gardener. A good, reliable, mammoth variety of fine quality. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 45c.

✓ PALMETTO—A large, dark green variety, of vigorous growth, having pointed tips; comes early. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 55c.

BEANS

Dwarf or Bush Varieties

Green
Podded
Varieties

PACKETS OF BEANS PUT UP TO SELL AT FIVE CENTS, postpaid, contain TOO SMALL a quantity. We therefore put up liberal sized packets at 10c., preferring to please rather than disappoint customers. Pint and Quart Prices include Postage.

If to go by Express or Freight, at buyer's expense, DEDUCT 16c. from Quart or 8c. from Pint prices.

One quart will plant 100 feet of drill; one to two bushels to the acre. We supply Half-Pecks at Peck prices, except as noted.

The New Stringless Green Pod Beans.

New Giant Stringless Green Pod.

This new bean has a much larger and handsomer pod than the Valentine, and without any strings. It is distinct from the variety introduced as "Burpees Stringless," as GIANT has a much longer pod. The GIANT STRINGLESS is earlier than Valentine and more prolific. The pods are one-third larger (averaging five inches in length), full and fleshy, extremely crisp and absolutely stringless. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.80; bus., \$5.00.

Burpee's New Stringless Green Pod.

A very early variety having long, straight, round and fleshy pods free from strings. The dry beans are oval, of a chocolate brown color. Pkt., 10c; pint, 25c; qt., 45c; pk., \$1.80; bus., \$5.00.

Longfellow.

A new extra early variety, with perfectly round and uniformly straight pods; very fleshy, long, brittle and without strings when broken, flavor delicious; very prolific; plants very strong and compact in growth. Pkt., 10c; pint, 30c; qt., 50c; pk., \$1.60; bus., \$6.00.

Refugee, or Thousand-to-One.

Very productive, long, round, whitish-green pods; tender, of fine quality and handsome; medium late; preferred for canning and picking. Pkt., 10c; pint, 25c; qt., 40c; pk., \$1.20; bus., \$4.50.

Livingston's Round Six Weeks.

A most excellent green podded snap bean. Extra early, a good strong grower and abundant cropper. Pods green, very fleshy and free from strings. Beans round and yellow when ripe. A favorite with market gardeners. Pkt., 10c; pint, 25c; qt., 40c; pk., \$1.20; bus., \$4.50.

Usually ready to pick in 35 days after planting. Pods round, thick, fleshy, of fine quality, and unequalled uniformity of ripening; one of the most profitable sorts for market gardeners. Pkt., 10c; pint, 25c; qt., 40c; pk., \$1.15; bus., \$4.25.

The New Bountiful.

A new flat green pod Bush Bean, which comes into bearing very early and continues almost throughout the season. Pods of beautiful rich green, very thick, broad, long and uniform; meaty, tender and of fine quality; absolutely stringless, good as a shell bean for winter use. Its handsome appearance and fine quality makes it a splendid market variety. Pkt., 10c. $\frac{1}{2}$ -pint, 20c, pint, 35c; qt., 60c; $\frac{1}{2}$ -pk., \$1.00; pk., \$1.75.

Other Standard Green Podded Varieties.

EARLY MOHAWK—Productive, very early
EXTRA EARLY REFUGEE—Hardy; abundant bearer
LONG YELLOW SIX WEEKS—A fine early string bean
DWARF HORTICULTURAL—Speckled Cranberry
WHITE MARROW—Extensively grown; good green or dry
IMPROVED NAVY, or BOSTON PEA BEAN—Very productive
WHITE KIDNEY, or ROYAL DWARF

Pkt. 10c.	Pint 25c.	Qt. 40c.	Pk. \$1.15	Bus. \$4.25
10c.	25c.	40c.	1.15	4.25
10c.	25c.	40c.	1.15	4.25
10c.	25c.	45c.	1.35	5.00
5c.	20c.	35c.	1.10	3.75
5c.	20c.	35c.	1.10	3.75
5c.	20c.	35c.	1.10	3.75

BY MAIL, Postpaid.

Dwarf Limas.

New Wonder (Quarter Century) Dwarf Lima—Pods about same size as Burpee's Dwarf; beans slightly smaller a few days earlier and fully as productive. Bloom and pod protected from the sun, hence a sure cropper. Very true to bush form. Pkt., 10c; $\frac{1}{2}$ -pint, 20c; pint, 35c; qt., 60c; $\frac{1}{2}$ -pk. \$1.15; pk., \$2.25.

Henderson's Dwarf Lima Compact bush form, and produces large crops. Pkt., 10c; $\frac{1}{2}$ -pint, 20c; pint, 35c; qt., 60c; $\frac{1}{2}$ -pk. \$1.15; pk., \$2.10.

Thorburn, or Dreer's Dwarf Lima Matures early; very productive, grows close in pod, thick, sweet, tender and succulent. Pkt., 10c; pint, 30c; qt., 55c; $\frac{1}{2}$ -pk., \$1.10; pk., \$2.00; bus., \$6.75.

Burpee's Dwarf Lima Beans as large as Large Pole Lima; strictly dwarf, come true from seed; stout growth, always erect, branches vigorously, bearing 50 to 200 handsome large pods well filled with very large beans. Pkt., 10c; pint, 30c; qt., 55c; $\frac{1}{2}$ -pk., \$1.10; pk., \$2.00; bus., \$6.25.

Dwarf Wax or Yellow Pod Varieties.

Livingston's New Yellow Pencil Pod Wax Bean.

Many of the Wax Beans that are hardy enough to be profitable for market growing are characterized by too much stringiness for table quality, but our New Yellow Pencil Pod overcomes this disadvantage entirely. Although hardy, it is absolutely stringless, tender and of the most luscious quality; pods smooth, perfectly round, straight pencil-shape. In points of vigor, hardiness and prolificacy, no other sort equals it, and when to this is added its greatly superior table quality, it will be quickly apparent to all that the New Yellow Pencil Pod stands in a class by itself. We offer it as, by all odds, the best market gardener's Wax Bean to be found anywhere. We have sold this bean for several years in all parts of the United States and our claim of "absolutely free from strings," combined with "hardiness and prolificacy," is well established. Pkt., 10c.; pint, 30c.; quart, 50c.; $\frac{1}{2}$ -pk., \$1.10; pk., \$2.00; bus., \$7.00.

Keeney's Rustless Wax

Strong grower with remarkable vigor and freedom from rust. Pods meaty and well-filled, semi-round; rich yellow, fine quality, and entirely stringless, even when large enough to shell. If pods are picked as fast as formed the plant is practically everbearing until frost. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ -pk., \$1.10; pk., \$2.10; bus., \$7.25.

Improved Golden Wax—One of the best strains of Golden Wax. Hardier, more prolific, holds its pods up well, of better quality, pods longer, straighter and thicker than the Original Golden Wax. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.85; bus., \$6.75.

Currie's Rust-Proof Wax—Pods long, flat, tender and of fine quality. Early and productive. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ -pk., \$1.85; bus., \$6.50.

Scarlet Flageolet Wax—Pods large, flat, beautiful. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.85; bus., \$6.75.

Challenge Dwarf Black Wax—A distinct Extra Early Wax Bean. Vigorous and productive. Pods large, uniform, rich orange yellow and of best quality. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.85; bus., \$6.75.

LIVINGSTON'S

PENCIL POD
WAX BEAN

Valentine Wax An Improved Extra Early Variety

with round beautiful waxy pods. The pods are very meaty, and no other bean has less string or hard shell as long as it is suitable for cooking. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.85; bus., \$6.75.

Detroit Wax—Very hardy, and its straight, handsome pods will keep a long time without spoiling; a fine sort for shipping long distances. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.85; bus., \$6.75.

New Davis Wax—Pods waxy-white, long, straight and thick. Beans clear white, kidney-shaped. Very productive; compact upright growth. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$2.10; bus., \$7.25.

Crystal White Wax—Distinct, one of the best; matures quick, slow to harden, retaining their juicy succulent flavor for days after they are ready to pull. Pods waxy-white, good size, round and very fleshy. Pkt., 10c.; $\frac{1}{2}$ -pt., 35c.; qt., 60c.; pk., \$2.35.

Yosemite Mammoth—The monster wax bean, pods nearly all solid pulp, and absolutely stringless, cooking tender and delicious; a rich golden-yellow. Pkt., 10c.; $\frac{1}{2}$ -pint, 20c.; pint, 35c.; qt., 60c.; bus., \$2.35.

Prolific German Black Wax—An improved strain of Black Wax. Pods long, white, fleshy, round, waxy-yellow, solid and tender, and of finest quality; very early. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.85; bus., \$6.75.

Jones' Stringless Wax—A white-seeded variety with round stringless pods of unsurpassed beauty and quality. Very hardy and productive. Pods handsome, round, fleshy and well filled. Beans white, and can be sold as green shelled beans or let mature and sell as dry beans. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$2.10; bus., \$7.25.

New Round Pod Kidney Wax.

A selection from the famous Wardwell's Kidney Wax Bean. As its name indicates, its pods are round instead of flat. Plants grow strong and sturdy, with long, round, handsome stringless pods of large size, very solid and full of meat; crisp; brittle. Wonderfully early and productive and will become very popular. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.85; bus., \$6.75.

Wardwell's Kidney Wax

Early; vine medium, erect, hardy, productive. Pods long, broad, flat, brittle, and of a delicate waxy-yellow. Very attractive market sort. Beans large, kidney-shaped, white and dark markings about the eye. First-class snap bean, and a good one for winter. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$2.25; bus., \$7.75.

SEE NOVELTY PAGES IN FRONT FOR NEW BEANS.

OUR PACKETS ARE LARGE AND WELL FILLED. PRICES ON PINTS AND QUARTS INCLUDE POSTAGE.

Pole Lima Beans.

Lima Beans will not grow until the weather and ground are warm, and if planted before they are apt to rot in the ground. See cultural directions for Pole Beans.

Siebert's Early The earliest True Lima and the very best for years selecting to largest green beans and easily opening pods. Very productive, hardy and vigorous. Produces pods early, and continues to the last of the season. The green beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the Large White Lima. Pkt., 10c.; pint, 30c.; qt., 50c.; 2-pk., \$1.00; pk., \$1.75; bus., \$6.50.

Early Jersey Nearly as large and equally as good as the late sorts, but two weeks earlier. Pkt., 10c.; pint, 30c.; qt., 50c.; 2-pk., \$1.00; pk., \$1.75; bus., \$6.50.

King of the Garden—Vigorous grower, bearing large pods 5 to 8 inches long. Beans large, of rich flavor. Pkt., 10c.; pint, 30c.; qt., 50c.; 2-pk., 90c.; pk., \$1.65; bus., \$6.00.

Dreer's Improved (Challenger)—Beans, when green, are as large as Large Lima, but thicker, sweeter and more tender; very early, productive, bearing closely crowded clusters until frost. Pkt., 10c.; pint, 30c.; qt., 50c.; 2-pk., \$1.00; pk., \$1.75; bus., \$6.50.

Large White—The old favorite for home use or the market. Pkt., 10c.; pint, 25c.; qt., 45c.; 2-pk., 90c.; pk., \$1.65; bus., \$6.00.

Ford's Mammoth Poddled—Pods 6 to 9 ins. long, in clusters of 5 or 6; of excellent quality, green or dry. Pkt., 10c.; pint, 35c.; qt., 60c.; pk., \$2.00; bus., \$7.00.

Small White (Sieva)—Smaller leaves and seeds, but earlier and more hardy than the Large Lima. Pkt., 10c.; pint, 30c.; qt., 50c.; 2-pk., \$1.00; pk., \$1.75; bus., \$6.00.

POLE BEANS.

The Pole or Running varieties are tender, and should be sown two weeks later than Bush Beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant 5 to 6 beans in a hill, 2 inches deep, leaving space in center for the pole; when well started they should be thinned to 2 or 3 plants in a hill. One quart makes 100 to 200 hills, according to size of the beans. 8 to 12 quarts will plant an acre.

Early Golden Cluster Wax Pods bright golden-yellow, stringless, tender and of delicious flavor. Vines strong and hardy, enormously productive, bearing in clusters. Matures very early and continues bearing until frost. Beans clear waxy-white; excellent shelled green. The most profitable wax pole bean. Pkt., 10c.; 2-pint, 20c.; pint, 35c.; qt., 60c.; 2-pk., \$1.20; pk., \$2.25; bus., \$7.50.

Kentucky Wonder—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 to 10 inches in length, nearly round when young, and very crisp. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.75; bus., \$6.50.

Lazy Wife's—Pods grow from 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked; retain their tenderness and rich flavor until nearly ripe; also a good white shell bean for winter use. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.75; bus., \$6.50.

White Creaseback (Fat Horse)—An exceptionally good pole bean on account of its extreme earliness and all the crop maturing at one time. Vines medium size, vigorous and very productive; pods round, fleshy, produced in clusters, of medium size, light green, and of fine quality; a good shipper; seed small, pure white; good to bake. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.50; bus., \$5.75.

STANDARD POLE VARIETIES.

	BY MAIL, Postpaid.			BY EXPRESS OR FREIGHT.		
	Pkt.	Pint.	Quart.	1/2-Peck.	Peck.	Bus.
These prices include Postage for Packet, Pint and Quart. Half-Peck, Peck and Bushel go by Express or Freight, buyer paying charges.						
White Dutch Case-Knife—Splendid to shell when dry.	10c.	25c.	45c.	85c.	\$1.65	\$6.00
Speckled Cranberry—The old "Bird Egg".	10c.	25c.	45c.	85c.	1.65	6.00
Red Speckled Cut-Short—"Corn Hill".	10c.	25c.	45c.	85c.	1.65	6.00
Southern Prolific—Pods long, green, fleshy, crisp and excellent.	10c.	25c.	45c.	80c.	1.50	5.50
Scarlet Runner—Ornamental climber bearing clusters of bright scarlet flowers.	10c.	30c.	50c.			
White Runner—Same as above, except that the flowers are white.	10c.	35c.	60c.			
Yard Long, or Cuban Asparagus Bean—A curiosity. Dark green foliage. Pods over two feet long and very abundant. Packet, 10c.; 3 for 25c.						

FOR OTHER NEW BEANS SEE NOVELTY PAGES IN FRONT.

Burpee's Brittle Wax

Siebert's Early Lima.

PINT AND QUART PRICES INCLUDE POSTAGE.

If to go by Express or Freight, at buyer's expense, deduct 15c. from Quart or 5c. from Pint prices quoted on this page. Half-Pecks and larger quantities are sent at purchaser's expense.

Powell's Prolific Pole Bean.

An extraordinary green podded snap bean. Bears profusely, quite early, and continues until frost; very tender and palatable. A most rampant grower, one plant filling a pole with a mass of vines densely loaded with luscious beans. Almost a solid mass of pods from bottom to top of pole. The handsome green pods average 8 or 9 beans to the pod, grow very uniform, about 6 inches long; perfectly stringless, very thick meat, tender, rich and buttery. Continues in bearing so long it might be called "Everbearing." Pkt., 10c.; 2-pk., 20c.; pt., 35c.; qt., 60c.; 2-pk., \$1.35; pk., \$2.50.

Table Beets

French—*Otterave*. Spanish—*Betteraga*. German—*Runkle-Rabe*.

The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hot-beds and transplant; but for main crop, sow in the spring as soon as the ground becomes fit to work in drills 18 inches apart, 1 inch deep. For winter use the turnip varieties may be sown as late as June and the seed covered two inches. When the plants have attained 3 or 4 inches in height thin out so that they stand 5 or 6 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes; dry earth thrown over them before the straw is put on insures their keeping over winter. Do not bruise them in handling. One ounce of seed to 50 feet of drill; 5 to 6 pounds to the acre.

Extra Early Egyptian. Very early, dark blood-red, medium size, tender and sweet; one of the best for kitchen gardens. Pkt., 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

LENTZ—Very early, of fine shape; has small tops; flesh pink and red, tender and sweet. Pkt., 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

EDMAND'S EARLY BLOOD TURNIP—Very uniform. Root always smooth, round and handsome, top small, of good marketable size, and among the best for table use. Color dark red; crisp, tender and sweet; good keeper. Pkt., 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

HALF-LONG BLOOD-RED—Of handsome shape, fine quality, quick growth; good for winter use if planted late. Pkt., 5c.; oz. 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

CROSBY'S

IMPROVED EGYPTIAN BEET

A very superior strain of Blood-Red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, flesh bright red with zones of darker shade, changing to solid dark red when cooked; fine quality, and, above all, rapid growth. The shape is very desirable, not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to the Globe and Half-Long varieties, which require longer time to grow into market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. Preferred to all others for forcing in frames or for first sowing outside. Being a rapid grower it may be sown outside as late as July. If planted about every three weeks it makes a most excellent beet for family use. We have made a fine selection of this stock for years and believe we have it nearer the original Crosby idea than anyone in the trade. Many samples we have tested from other houses turned out to be the ordinary Egyptian, a mixture or an inferior grade of so-called "Crosby." Pkt., 10c.; oz., 15c.; 2 ozs., 20c.; $\frac{1}{4}$ lb., 30c.; lb., 30c.; 5 lbs., \$3.50.

Detroit Dark-Red. One of the best red turnip-shaped varieties. Has small, upright tops; splendid smooth shape; skin is dark blood-red; flesh, deep, bright red; very crisp, tender and sweet; matures early, and lasts a long time. Exceedingly uniform in shape. A grand canning sort. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Early Flat Red Bassano—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

Early Blood Turnip—Old standby. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Bastian's Early Blood Turnip—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

ARLINGTON FAVORITE—Of fine form, good flavor, deep blood-red flesh, small foliage; for the market garden, hard to excel. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

SWISS CHARD—Cultivated for its leaves. The mid-ribs are stewed and served as Asparagus; other portions of the leaf used for greens same as Spinach. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.

LONG DARK BLOOD-RED—Good keeper; excellent for winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

IMPROVED ECLIPSE—Very early and lasts well throughout the season. Handsome, smooth, dark, globe-shaped beet; small top; quality very desirable. Good beet for private canning. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

DEWING'S IMPROVED BLOOD TURNIP—The leading main crop variety. Roots always smooth, handsome, good size, tender and sweet. An enormous cropper. A favorite with marketmen. The seed we offer is unexcelled by any in the country. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Mangel Wurzels

An ever increasing acreage is being planted for stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment Stations and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use. Sow in rows 2½ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1½ inches, making ground firm over the seed. When 4 inches high thin to 8 inches apart. Where many are grown a good drill and cultivator are needed. Five pounds sows an acre.

✓ **IMPROVED MAMMOTH LONG RED**, also called Norbitan Giant, Jumbo Mangel, Colossal, etc.—A favorite with the farmer and dairyman; large, well-formed; blood-red color; very nutritious; a big cropper. Pkt., 5c; oz., 10c; ¼-lb., 15c; lb., 35c. By Express—Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.90.

✓ **Golden Giant Intermediate**, (Yellow Leviathan, Mammoth Yellow)—Beautiful russet-yellow; skin smooth; flesh white, firm and sweet; productive; easily pulled; good keeper. Pkt., 5c; oz., 10c; ¼-lb., 15c; lb., 40c. By Express—Lb., 25c; 5 lbs., \$1.10; 10 lbs., \$2.00.

✓ **Champion Yellow**, or **Orange Globe**—Very productive; easily pulled; excellent keeper; spherical in shape; orange yellow. Pkt., 5c; oz., 10c; ¼-lb., 15c; lb., 40c. By Express—Lb., 25c; 5 lbs., \$1.10.

✓ **GOLDEN TANKARD**—Very productive and sweet; flesh yellow, tops and necks very small; roots large; easily pulled; especially relished by sheep and cows. Pkt., 5c; oz., 10c; ¼-lb., 15c; lb., 35c. By Express—Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.90.

✓ **Red Globe**—Similar to Yellow Globe, except color. Pkt., 5c; oz., 10c; ¼-lb., 15c; lb., 35c. By Express—Lb., 25c; 5 lbs., \$1.00.

SPECIAL PRICES ON MANGEL WURZELS OR SUGAR BEETS BY 100 OR 1000 POUNDS.

Broccoli.

French—*Chou Brocoli*,
German—*Spargel Kohl*.

Sow thinly in seed beds about the middle of spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

✓ **Early Large White**—Heads medium size, head and compact. One of the most certain to head. Pkt., 10c; oz., 30c; ¼-lb., \$1.00.

✓ **Borecole or Kale.** See Kale.

Brussels Sprouts.

French—*Chou de Bruxelles*,
German—*Sprossen Kohl*.

Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as Cabbage. Sow in May and manage as Winter Cabbage. In the fall break the leaves down so that the little cabbage will have more room to grow.

✓ **Best Improved Dwarf**—Produces compact sprouts of the finest quality; a good keeper. Pkt., 5c; oz., 20c; ¼-lb., 60c; lb., \$1.75.

✓ **Chicory.** Large-Rooted—Used to mix with or as a substitute for coffee. Cultivate the same as the Carrot. Pkt., 5c; oz., 10c; ¼-lb., 25c; lb., 75c.

Corn Salad, or Feticus.

French—*Macee*, German—*Leimersalat*.

A vegetable used as a salad. Sow the first opening of spring in rows 1 foot apart, and it is fit for use in six or eight weeks. If wanted in early spring, sow in September, cover with straw or hay as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during winter.

✓ **Large Leaved**—Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 60c.

✓ **Collards.** A plant of the Cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens. True Southern—Pkt., 5c; oz., 10c; ¼-lb., 30c; lb., \$1.00.

Cress, or Pepper Grass.

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed.

✓ **Extra Curled (Pepper Grass)**—May be cut two or three times. Pkt., 5c; oz., 10c; ¼-lb., 20c; lb., 55c.

✓ **Upland Cress**—This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like Lettuce or boiled like Spinach. Sow in April in rows 1 foot apart. Pkt., 10c; ¼-lb., 25c; oz., 45c.

✓ **Water Cress**—A well-known hardy perennial aquatic plant. It is easily grown along margins of ponds and streams where it increases both by spreading of the roots and seeding. Has a pleasant pungent taste. Pkt., 10c; ¼-lb., 20c; oz., 35c; ¼-lb., \$1.00.

CABBAGE

French—*Chou Pomme*.German—*Kopf Kohl*.Spanish—*Repollo*.

Cabbage requires deep, rich, mellow soil, high manuring and good culture to obtain fine, solid heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house the last of January or early in February, and transplant in the open ground in April, in rows 2 feet apart and 15 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. Transplant in about 4 weeks. For second early cabbage, sow in April, and transplant in May. For late cabbage, sow in May, and transplant in July, in rows 3 feet apart and 2 feet in the row. In transplanting it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the earth deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting so frequently over the ground and to start every cabbage that appears about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air-slacked lime or wood ashes. For Cabbage Worm try Slug Shot; (see list of Insecticides in back of this Catalogue). One ounce of seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.

Early Jersey Wakefield SELECTED STOCK.

Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are: Large heads, for an early sort; small outside foliage, and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak; very solid, fine texture and sweet. The sort mostly used for wintering over in cold frames. The seed we offer is first-class, sure to give satisfaction. Pkt, 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 60c; lb., \$1.85.

Extra Early Express While not quite so large as Jersey Wakefield, it is several days earlier, and for a first early variety is not excelled. It has compact heads of conical form, and yellowish-green color; very dwarf and uniform. Pkt., 5c; $\frac{1}{2}$ -oz., 10c; oz., 20c; $\frac{1}{4}$ -lb., 50c; lb., \$1.50.

VERY EARLY ETAMPES—Very early. Heads oblong, rounded at top, quite solid, medium size. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 50c; lb., \$1.50.

Early Spring A New Extra Early Flat Head Variety. As early as Jersey Wakefield. Yields one-third more than any other extra early cabbage on the same space of ground. Plant them 21 inches apart and you have 13,000 per acre. It has the peculiarity of heading firmly even before fully grown, is also flat headed, making it a valuable variety for extra early market or home use. Pkt., 10c; $\frac{1}{2}$ -oz., 20c; oz., 30c; $\frac{1}{4}$ -lb., 85c; lb., \$3.00.

Henderson's Early Summer SELECTED STOCK.

About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Equal in weight to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as Wakefield. Keeps a long time without bursting. Heads round, not pointed. Pkt., 5c; $\frac{1}{2}$ -oz., 10c; oz., 20c; $\frac{1}{4}$ -lb., 50c; lb., \$1.75.

Early Winningstadt The Old Standby. Well known and very popular. In season very close to Wakefield. Heads large, decidedly conical. Solid, even in summer; almost worm-proof because so hard. A very sure header. Valuable for early or winter use. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 50c; lb., \$1.50.

Large Wakefield or Charleston Wakefield—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 lbs. As solid as Winningstadt. Pkt., 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 65c; lb., \$2.00.

Early Jersey Wakefield.

A. N. Cheison, Bond Co., Ills.—"From the Early Jersey Wakefield Cabbage seed I got of you last year I grew the best, largest and heaviest I ever raised."

Large or Charleston Wakefield.

Check First Early Cabbage

All-Seasons Cabbage.

CABBAGE.

Danish Ball Head. Hard as a Rock. Heavy as Lead. Greatest Weight in the Smallest Space.

This splendid variety is remarkable for its solidity and grand keeping qualities. Such has been the demand among our customers for this fine-grained cabbage as to render its importation from Denmark a most profitable enterprise for the vegetable dealer. The heads, although not quite so large as Premium Flat Dutch, are equally as heavy and superb in quality. This extra weight in limited space will be appreciated by those who grow for distant markets, ship in carload lots, and sell by weight. This variety has been sold under a number of different names, as "Hollander," "German Export," "Dutch Winter," etc., but the correct name is "Danish Ball Head." Price of Genuine Danish Seed—Pkt., 10c.; 1/2-oz., 15c.; oz., 30c.; 2 ozs., 50c.; 1/2-lb., 85c.; lb., \$3.00.

All-Head Early A thoroughbred sort, on account of its remarkably uniform size and shape and reliability for heading. Deep, flat heads, solid and uniform in color, shape and size. In tenderness unsurpassed. For winter use sow in July. By reason of its compactness 1,000 more heads can be obtained from an acre than of many other good sized varieties. Pkt., 5c.; 1/2-oz., 10c.; oz., 20c.; 1/2-lb., 60c.; lb., \$2.00.

All-Seasons (Vandergaw)—A greatly improved strain of Early Flat Dutch. Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand the hot sun and dry weather. One of the very best for general cultivation, and none better for late planting. Pkt., 5c.; 1/2-oz., 10c.; oz., 20c.; 1/2-lb., 60c.; lb., \$2.00.

BURPEE'S SURE HEAD.

A very reliable header; large, round, flattened heads; a good keeper and shipper, or for fall and winter use. Pkt. 5c; 1/2-oz., 10c.; oz., 20c.; 1/2-lb., 50c.; lb., \$1.75.

CHASE'S EXCELSIOR—Medium early, heads large, very uniform in type, sure to head, and exceedingly solid. Planted late it is one of the best winter sorts. Pkt., 5c.; 1/2-oz., 10c.; oz., 20c.; 1/2-lb., 60c.; lb., \$2.00.

Danish Ball Head Cabbage.

EARLY DWARF FLAT DUTCH—An excellent second early variety, producing fine, large heads. Highly valued both for its fine quality and ability to resist heat. Heads very solid, broad and round, flattened on top; tender and of fine grain. Pkt., 5c.; 1/2-oz., 10c.; oz., 20c.; 1/2-lb., 50c.; lb., \$1.60.

EARLY LOUISVILLE DRUMHEAD—About Cincinnati and Louisville it has been grown for more than 40 years. Heads very large and solid; a sure header; will stand without bursting almost the entire summer. For winter use sow late in the season. Pkt., 5c.; 1/2-oz., 10c.; oz., 20c.; 1/2-lb., 50c.; lb., \$1.75.

Hunt up our Collections of Seeds and Plants thro'out this catalog. They are great bargains.

Livingston's Ideal Winter.

A few days earlier than Livingston's Premium Flat Dutch, and one of the most magnificent strains of Late Flat Dutch known to-day. By persistent selection, year after year, it has been brought to a state of perfection rarely attained. The large, solid heads, the low, short stems, the absence of useless foliage, uniformity of size and shape, reliability for heading, and long-continued selection mentioned above, all combine to make this the ideal cabbage for profit. Pkt., 10c.; 1/2-oz., 15c.; oz., 25c.; 1/2-lb., 75c.; lb., \$2.50.

HENDERSON'S SUCCESSION—About one week later than the Early Summer, but nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. A very sure header. Pkt., 5c.; 1/2-oz., 15c.; oz., 25c.; 1/2-lb., 60c.; lb., \$2.00.

MARBLEHEAD MAMMOTH—The largest variety of cabbage ever produced. Very desirable variety for warm latitudes; also to grow for prizes, exhibition at fairs, etc. Pkt., 5c.; 1/2-oz., 15c.; oz., 25c.; 1/2-lb., 75c.

J. W. Brubaker, Mercer Co., Ohio.—"Your seeds are giving great satisfaction. Your Early Wakefield and All-Head Early Cabbage cannot be beat. Have been raising them for early plants for the past four years and cannot supply my customers."

Livingston's Ideal Winter Cabbage.

Fottler's Short Stem Brunswick.

LIVINGSTON'S Premium ^{FLAT} DUTCH Cabbage

Over fifteen years ago we set out to build up a strain of Large Late Flat Dutch Cabbage that would be better than any other on the market, and now we are strongly convinced that we have it in our Select Premium Flat Dutch. Our purpose has been to weed out every objectionable point, and to fix firmly every good quality. It produces many tons to the acre, because of its solidity and compact, snug manner of growth. Unlike most large sorts it is solid to the heart. Our seed stock is always grown from heads, (not from stalks after the heads were taken off) fully developed and perfect in every respect, this strain has no superior. Heads are large and very solid; open white, are crisp and tender, and sure to head. Grown largely by marketmen on account of its good shipping qualities. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 65c.; lb., \$2.25; 2 lbs., \$4.25, postpaid.

Emil Sherer, Bexar Co., Texas. "The Autumn King is the best Cabbage I have ever seen in this country. Not as large as Flat Dutch, but heavier. Out of a thousand plants you get about 999 heads of Autumn King at a rough estimate. It is the best Cabbage for our country."

Autumn King or World Beater Cabbage.

AUTUMN KING, or WORLD BEATER—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 55c.; lb., \$2.00.

THE NEW LUPTON—A grand new Cabbage. A rare combination of the second early and late sorts. Strong in constitution, perfect in type, has none of the coarseness of the late varieties, with all the fine qualities of early maturity. The stalk is short; color dark green; very large heads in proportion to the plant. Especially adapted to all purposes of the farmer and market gardener, as it grows uniform, heads good, and is a splendid keeper. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

Luxemburg—TRUE AMERICAN—Owing to its many remarkable keeping properties, and the fact that the head remains as green as when gathered in the fall, it is the king of all cabbage for late keeping in the spring. For spring and late spring sales, when cabbages usually bring their highest price this is the cabbage. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 60c.; lb., \$2.00.

Large Late Flat Dutch—Grows to a large size, the flat, solid heads often weighing 15 to 20 pounds. A sure header and a good keeper over winter, extensively grown for shipping. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Bridgeport Drumhead—Very popular about Chicago, and shipped more largely than any other from that market. Large, round, solid heads, not subject to rot or bursting. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

Large American Drumhead—A very superior fall and winter variety; large, solid heads. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Fottler's Short Stem Brunswick—A rapid grower; has large, solid heads and but few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

Livingston's Premium Flat Dutch Cabbage.

Savoy Cabbage.

The Savoy or Curley Cabbages are of exceptionally fine flavor and quality, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost they are most delicious.

Small Early Savoy—Best early dwarf Savoy; heads firm, solid, beautifully crimped; finest quality. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 60c.; lb., \$2.00.

Improved American Savoy—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk; compact grower; sure header; keeps well. The best of all Savoy for main crop for home use or market. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

Red Cabbage.

Extra Early Blood Red Erfurt—Earliest and reddest. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Red Drumhead—Heads large, rounded, hard and very deeply colored at the heart. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

Mammoth Rock Red—Heads as large as Flat Dutch, deep red to center; highly recommended. Hard as a rock. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 65c.; lb., \$2.25.

LIVINGSTON'S EARLIEST.

Cauliflower

German—Blumen Kohl.

French—Choufleur.

Spanish—Coliflor.

No seed is more important than Cauliflower. The price should not be considered **o o o o**

No half packets will be supplied

CULTURE—The culture of Cauliflower is similar to Cabbage, but should be more thorough and ground made very rich. It delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow seed in the hot-bed in January or February, and transplant the plants 2 or 3 inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in open ground, which, in this latitude is usually from the 15th of March to the 10th of April. For late crop sow seed at same time and treat in the same way as with late cabbage. Set plants in the field 2 feet by 15 inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading tie the outside leaves loosely over the head to protect it from the sun. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of growth. The soil in the hot-bed should be no richer than in the field to prevent the plants receiving a check when set into it.

One ounce gives 1500 to 2000 plants.

✓ **HENDERSON'S EARLY SNOWBALL**—One of the best types of Cauliflower on the market. Second only to our Livingston's Earliest. The outer leaves are short, so that plants may be set 18 to 20 inches apart. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting. It is a sure header. Our stock cannot be excelled in quality. Pkt., 25c.; $\frac{1}{2}$ -oz., 75c.; $\frac{1}{4}$ -oz., \$1.40; oz., \$2.50; $\frac{1}{2}$ -lb. \$8.50.

✓ **Veitch's Autumn Giant**—The heads are beautifully white, large, compact, and being thoroughly protected by the foliage, remain longer fit for use. Pkt., 10c.; $\frac{1}{2}$ -oz., 20c.; oz., 45c.; $\frac{1}{4}$ -lb., \$1.50; lb., \$5.50.

✓ **EXTRA EARLY DWARF ERFURT**—Dwarf habit, compact growth, short outside leaves; can be planted 20 inches apart. A sure header. Pkt., 15c.; $\frac{1}{2}$ -oz., 65c.; $\frac{1}{4}$ -oz., \$1.20; oz., \$2.00; $\frac{1}{2}$ -lb., \$7.00.

✓ **Half Early Paris, or Nonpariel**—Large, white and compact; good early or late. Pkt., 10c.; $\frac{1}{2}$ -oz., 30c.; oz., 75c.; $\frac{1}{4}$ -lb., \$2.50.

✓ **Large Late Algiers**—A splendid late variety; popular with canners and market gardeners. Seldom fails to produce large, white heads. Pkt., 10c.; $\frac{1}{2}$ -oz., 30c.; oz., 75c.; $\frac{1}{4}$ -lb., \$2.50.

Livingston's Earliest.

BEST FOR (Forcing Early Crop Late Crop)

A better variety of Cauliflower than LIVINGSTON'S EARLIEST we firmly believe is not produced. Our grower, in Denmark, spares no pains or expense with this stock. For wintering in cold frames it is not excelled; and while we know it to be the very earliest variety in existence, it does equally well for a fall crop, if planted late, and treated the same as late Cabbage. It should take the place of many of the late varieties on account of its fine texture and delicious qualities. In short, it is an excellent all-seasons Cauliflower. It is a compact grower, and sure header, heads large, solid, and white as snow. Gardeners who have grown this fine stock for more than 10 years are fully satisfied. PRICE, UNDER OUR TRUE BLUE SEAL—Pkt., 25c.; $\frac{1}{2}$ -oz., 90c.; oz., \$3.50; $\frac{1}{4}$ -lb., \$12.00.

Mr. S. P. Ash, Cumberland Co., N. Y.—Last season I planted Livingston's Earliest Cauliflower seed in my greenhouse along with Snowstorm and Snowball, and it came out far ahead of either of them. Such a beautiful lot of Cauliflower I never raised under glass. They brought the top market price, selling at \$3.50 to \$4.75 per dozen heads, during the month of April. From one ounce of Earliest I got 3500 plants.

Mr. S. T. Jones, Kansas, writes:—I raised Cauliflower weighing $3\frac{1}{2}$ lbs., when closely trimmed, from the seed I got of you last year, and sold wholesale to Grocers for 25 to 35 cents per head. When the other Gardeners asked me where I got the seed, I told them of you.

Cucumbers

German—*Gurke*. French—*Coucombres*. Spanish—*Cohombro*.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill; cover half an inch deep, smoothing the hill off with the hoe. When the plants are out of danger of insects, leave 3 or 4 plants to a hill. Seed may also be sowed in rows 6 feet apart and the seed every few inches in the row. When danger from hogs is passed they must be thinned into hills 3 or 4 feet apart. This latter way of planting insures a good "stand," as the hogs cannot take all of them. For pickles, plant from 1st of June to 1st of August. The fruit should be gathered when large enough, whether required for use or not, as, if left to ripen on the vines, it destroys their productiveness. Cucumbers forced under glass turn yellow quickly, sometimes, from over-feeding and from the use of manures that are quick; on this account cow manure is preferred to horse manure. One ounce of seed will plant fifty hill; one or two pounds an acre.

Livingston's Emerald—See Novelty List.

Early Green Cluster—Short and prickly, bearing in clusters: prolific; fine for bottling. Pkt., 5c; oz., 25c; $\frac{1}{4}$ -lb., 60c; lb., \$2.00.

Early Frame or Short Green—A popular early variety of medium size and good shape; good for small pickles. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 60c; lb., \$2.00.

Extra Early Russian—Small, hardy, productive; good for small pickles. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 60c; lb., \$2.00.

Livingston's Extra Early White Spine

This private strain we have had over 30 years, and is the most thoroughbred, uniform and shapely variety known, not only for first early, but general crop. Excels in earliness, often ready for slicing when other sorts are only pickles. In purity it is unequalled. Vines are vigorous growers. Excellent for slicing, and makes choice pickles; straight and smooth; a great hearer, keeps green longer than the yellow varieties; no sort excels it in crispness and flavor. Our Southern friends will find it admirable adapted to their wants. **SELECTED SEED**—Pkt., 5c, $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 75c; lb., \$2.50.

Arlington Improved White Spine—GENUINE STOCK—For market use and pickling this variety is much superior to the old White Spine. Our stock is the true Boston Strain. Pkt., 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 70c; lb., \$2.25.

Hill's Forcing White Spine—Large, straight and well formed; full at ends; productive; skin deep green, holding color well. Pkt., 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 70c; lb., \$2.25.

Extra Long, or Evergreen White Spine—Longer than the Peerless; extra fine shape and quality; makes a good pickle; used extensively for growing under glass. Pkt., 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 70c; lb., \$2.25.

Gherkins—(TRUE WEST INDIA)—Used only for pickles. Pkt., 5c; oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 60c; lb., \$2.00.

Cool and Crisp—The beautiful green of this variety is all that can be desired. Excellent for pickling or slicing. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 65c; lb., \$2.15.

Burnburn's Everbearing—Small, very early, productive, and valuable as a pickle. Pkt., 5c; oz., 25c; $\frac{1}{4}$ -lb., 70c; lb., \$2.25.

Serpent, or Snake Cucumber—A great curiosity. The cucumbers grow curled up like a snake with head protruding; sometimes several feet in length; quality fair. Pkt., 10c; 3 pkts., 25c.

Japanese Climbing—Vines extra strong; vigorous; is a climbing sort; can be grown on trellises, etc., valuable in small gardens. Very prolific, from 40 to 50 having been counted on single plants. Fruit long, round, of fine flavor. Pkt., 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 70c.

English Frame or Forcing Cucumbers.

No. 8 Forcing—Most excellent sort; prolific. Pkt., 15c.

Rollison's Telegraph—Grows about 18 inches long, bright green, perfectly smooth. Pkt., 15c.

New Cumberland Cucumber.

THE NEW CUMBERLAND combines prolificacy and vigor growth with beauty and uniformity; is of the hardy, white spine type, a rapid and vigorous grower, and very prolific in fruit. The pickles differ from all other hardy sorts in being thickly set with fine spines over almost the entire surface. During the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight and symmetrical, thus being a choice for slicing as for pickles. The flesh is firm, very crisp and tender at all stages. We offer it in full confidence that it will prove a valuable new pickling sort. Pkt., 10c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 75c; lb., \$2.50.

Improved Long Green—Long and crisp; popular and reliable for pickles. Pkt., 5c; oz., 25c; $\frac{1}{4}$ -lb., 70c; lb., \$2.25.

Green Prolific or Boston Pickling—Of uniform growth, seldom too large for pickling, immensely productive. Pkt., 5c; oz., 25c; $\frac{1}{4}$ -lb., 75c; lb., \$2.50.

Nichol's Medium Green—We introduced this variety in 1883. It was a good one then, and is just as good or better now. Color dark green; flesh crisp and tender; medium size; always straight and smooth; a real handsome and prolific variety. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 60c; lb., \$2.00.

Chicago, or Western Pickling—Popular with the large Chicago gardeners; medium length, slightly pointed at ends, very large, prominent spines; deep green. Pkt., 5c; oz., 25c; $\frac{1}{4}$ -lb., 75c; lb., \$2.50.

Jersey Pickling—Intermediate between Long and Short Green, forming a long slender, cylindrical pickle; crisp and tender. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 50c; lb., \$1.75.

White Pearl (Japan White)—A beautiful pearly white variety. Very hardy and of fine quality; rather odd. Pkt., 5c; oz., 15c.

Giant Pera—Large, smooth, straight; flesh white, crisp and tender, good for slicing. Pkt., 5c; $\frac{1}{2}$ -oz., 15c; oz., 25c; $\frac{1}{4}$ -lb., 75c.

Livingston's Evergreen Pickle.

Introduced by us in 1890, now well-known the country over, catalogued by all the leading seedmen, and generally admitted to possess every qualification required in a perfect Pickle Cucumber. Exceptionally productive. One grower says it bears "four to one" compared with the standard sorts. It is a very strong grower, extra early, and bears firm, crisp fruits which are excellent for slicing. Pkt., 5c; oz., 20c; $\frac{1}{4}$ -lb., 60c; lb., \$2.00.

W. H. Moore, Polk Co., Fla., writes:—"Your Cucumber was so pure and good last season that I want no other."

CELERY.

German—*Sellerie.* French—*Celeri.* Spanish—*Apis.*

Livingston's High Grade Celery Seed.

Celery Culture. Celery can be successfully grown, with but little labor, in a good garden soil, by using plenty of well rotted manure with a liberal sprinkling of coarse salt worked into it, and this mixture should be put into the trenches, working it well into the soil, at least two weeks before the plants are transplanted into them. It delights, however, in low, moist, rich bottom land, or well drained muck soil. It is usually grown as a second crop.

Growing the Plants. It is not necessary to sow the seed in a hot-bed or cold frame, as it is apt to run to seed if started too soon, but sow in the open ground as soon as it is fit to work in April, passing the soil, for top of bed, through a sieve having six inches to the inch. An additional sowing or two between this date and May first will insure a plentiful supply of good plants. Sow in rows so that it can be kept free from weeds. Cover the seed very shallow and firm the soil well after sowing; also keep very moist until the seeds germinate. After coming up the plants should be partially shaded for a week or ten days, and see that the soil does not get dry. To insure good "stocky" plants the tops should be cut back, to say within two inches of the crown, when about four inches high, or they may be transplanted into another bed and set 2 or 3 inches apart.

Transplanting. The evening is the best time, and especially if after a shower; otherwise give them a good watering and you will lose but very few plants. Remember that it is essential that the soil be pressed firmly about each plant when set out, especially if done in a dry time; the old method of setting in deep trenches is a thing of the past. Some of our most successful growers set on the level surface, while others prefer a broad, shallow trench, only 3 or 4 inches deep. These trenches should be at least 3 feet apart for the dwarf, and not less than 8 feet for the larger sorts; set plants in single rows not over 6 inches apart in the trench. Transplanting is done about the middle of June for the first early, and as late as the middle of August for the latest.

Cultivation. Keep well cultivated, but never deep, and in about six weeks "handling" should begin (never do this when wet from rain or dew). This is done to make the celery grow upright. The soil is drawn to the row from each side with an ordinary hoe. Now take all the leaves of the plant in one hand and with the other draw the soil around it, pressing firmly, being careful that no soil gets between the leaves, as it is apt to cause rust, or rot the plant. In about two weeks, or as often as it is necessary to keep the leaves in an upright position, more soil should be drawn to the row. For fuller and more complete directions send for our Celery Book; see page 29.

One ounce of seed produces about 2000 plants.

Livingston's Snowwhite. See Novelty List

Pink Plume

Practically identical with White Plume, except that the stalks are suffused with pink and possessing the crispness, rich, nutty flavor and long-keeping qualities peculiar to red sorts. Extremely attractive in appearance and the quality simply perfect. The habit of growth is strong and vigorous. Its self-blanching qualities are the same as White Plume. Pkt., 5c; 1-oz., 10c.; oz., 20c.; 1-lb., 60c.; lb., \$2.00.

Dwarf Golden Heart.

A distinct variety of sturdy dwarf habit. It is solid, an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is a light yellow, making a showy and desirable variety for either market or private use. (See cut.) Pkt., 5c.; 1-oz., 10c.; oz., 20c.; 1-lb., 50c.; lb., \$1.50.

Selected White Plume Celery.

Early, Handsome, of Good Flavor and Fine Texture.
More Largely Grown than all other Varieties Combined.

Our strain of White Plume Celery is becoming more popular every year on account of the extreme care we use in selecting stock seed, thus enabling us to offer you this season a very superior strain. It is almost self-blanching; naturally its stalk and portions of the inner leaves and heart are so white that by closing the stalks, either by tying or simply drawing the soil up against the plant and pressing it together, the work of blanching is completed. In appearance it is very ornamental. It is unsurpassed for fall and early winter use. It is a good keeper up to the holiday season; but for later use we would advise growing some of the more hardy kinds. WE HAVE MADE A SPECIALTY OF WHITE PLUME EVER SINCE ITS INTRODUCTION, AND ARE SUPPLYING MANY OF THE LARGEST GROWERS THROUGHOUT THE COUNTRY. Selected White Plume—Pkt., 5c. Larger pkt., 10c.; 1-oz., 15c.; oz., 25c.; 1-lb., 65c.; lb., \$2.25.

Dwarf Golden Heart.

New Triumph

A late variety of real merit. Healthy, strong grower, stalk very white, crisp, tender and brittle. We recommend it as worthy a first place among late varieties. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.25.

Perle Le Grand

rich nutty flavor is unsurpassed.

A good early Celery, and remains, when properly trenched, in perfect condition until spring. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

Boston Market

Vigorous grower; very branching; excellent keeper; remarkably tender, crisp and solid. Best variety for light soils. Late keeper. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Golden Rose

Yellow and rose tinted; beautiful; self-blanching, early, solid, crisp and of fine flavor. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 85c.; lb., \$2.75.

Giant Golden Heart.

quality, appearance and large size it is unsurpassed.

dence, while its fine flavor and rich color make it desirable for private use. Very hardy. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 60c.; lb., \$1.75.

We can also supply KALAMAZOO, DWARF WHITE SOLID, GIANT WHITE SOLID, NEW ROSE, at the uniform price of Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 50c.

Celery Plants**Celeriac**

APPLE-SHAPED—An early smooth variety. Roots shaped like an apple. Good flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Giant Smooth Prague

A very large and smooth variety, free from side roots. A desirable sort for market, and is an excellent keeper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

A New Celery. Splendid Long-Keeping Sort. Extra Fine Flavor.

Healthy, strong grower, stalk very white, crisp, tender and brittle. We recommend it as worthy a first place among late varieties. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.25.

Handsome, stocky, robust. Its beautiful, full golden heart and

A good early Celery, and remains, when properly trenched, in perfect condition until spring. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

Vigorous grower; very branching; excellent keeper; remarkably tender, crisp and solid. Best variety for light soils. Late keeper. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Yellow and rose tinted; beautiful; self-blanching, early, solid, crisp and of fine flavor. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 85c.; lb., \$2.75.

Golden Self-Blanching

For Early Use preferred by many to all other sorts. As self-blanching as White Plume, and simply needs a slight earthing up. The entire plant is an attractive yellowish-green; as it approaches maturity the inner stems and leaves become a beautiful waxy golden color. Grows to good size, very tender, crisp and solid. Invaluable to the gardener and exceedingly popular with all planters. Pkt., 10c.; $\frac{1}{2}$ -oz., 20c.; oz., 35c.; $\frac{1}{4}$ -lb., \$1.15, lb., \$4.00.

Giant Pascal

A green leaved variety which developed from the Golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. Unequaled for rich, nutty flavor. Branches very easily and is very brittle. A fine keeper, an excellent shipper, retaining color and fresh appearance as long as any other. A favorite with Southern growers. For mid-winter and early spring it is excellent. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

Giant Golden Heart

Produced by careful selection and high culture from Dwarf Golden Heart by one of the best celery growers in the country. In One of the best late varieties for market garden.

Very hardy. Pkt., 5c.;

Ready about June 1st. Apply for our Vegetable Plant List, which is mailed free as soon as issued in mid-summer. **WRITE US FOR PRICES, WHETHER YOU WANT 100 OR 100,000 PLANTS.**

Turnip-Rooted Celery.

Sow seed same way as Celery. Transplant in rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. Earthing up is not necessary. The roots may be cooked or used as salad.

LIVINGSTON'S CELERY BOOK. Illustrated. 100 Pages. Written expressly for us by Mr. E. S. HOLLISTER, who has been the most extensive practical Celery Grower and Shipper in the United States for the past twenty years. He has grown extensive crops in Canada, Michigan, Ohio and Florida. The work is full up-to-date on all essential points and is a COMPLETE GUIDE FOR THE CELERY GROWER. Paper Cover, 40 cents. Cloth Bound, 60 cents.

We will give a Celery Book (paper cover) with an order for Celery Seed amounting to \$3.00. The Book Free, or Cloth Bound for \$4.00 Celery order. A general order for other seeds amounting to \$4.00 secures a paper cover, or \$6.00 order the cloth bound, providing customers request it at time of ordering.

CARROT.

The value of the Carrot is not appreciated, as it should be, for its table qualities as well as a food for stock. The larger varieties produce large crops and are relished by all kinds of stock. They are especially valuable when fed to dairy cows, producing an increased flow of rich milk, and imparting a beautiful golden yellow to the butter. We urge a more general use of the Carrot among our customers, knowing its great value will be appreciated when better known. Like other root crops, flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before all the better. Sow in early spring in drills 15 to 18 inches apart, finally thinning plants to 3 or 4 inches. If sown early or on moist soil half inch is deep enough to cover seed. Seed slow to germinate. Keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and the crop is lost. One ounce sows 150 feet of drill. 4 pounds sows an acre.

Early Scarlet Horn—(STUMP ROOTED)—Popular for forcing and early outside. Flesh deep orange, fine grained; agreeable flavor; small top. Pkt., 5c.; oz., 10c.; ½-lb., 25c.; lb., 80c.

Improved Chantenay—One of the best for home or market. Deep red flesh, fine grained, sugary; excellent for table use; stump-rooted; always smooth; very early; productive. Pkt., 5c.; oz., 10c.; ½-lb., 25c.; lb., 75c.

Nantes' Early Half-Long Scarlet—Stump-rooted, sweet, fine flavored; almost without a core; very fine grained; excellent for home garden or market. One of the finest in quality and handsome in shape of the medium sized sorts. Pkt., 5c.; oz., 10c.; ½-lb., 20c.; lb., 65c.

Livingston's Early Market—Stump-rooted, grows about the size of our Cincinnati Market Radish, excellent forer; fine flavor; flesh deep orange, fine grained. Pkt., 5c.; oz., 10c.; ½-lb., 25c.; lb., 85c.

Oxheart, or **Guerande**—Intermediate length; fully 3 to 5 inches in diameter; quality extra good. Some sorts require digging, but the Oxheart can be easily pulled. It is adapted to shallow soils where the longer sorts would not thrive. Pkt., 5c.; oz., 10c.; ½-lb., 25c.; lb., 75c.

Danvers One of the most productive and best for field culture. Tops medium; roots dark orange color, large, of medium length, tapering abruptly at point; very uniform; handsome; flesh deep orange; sweet and tender. Pkt., 5c.; oz., 10c.; ½-lb., 20c.; lb., 70c.

Intermediate Red—Excellent new English sort. Smooth and nearly the Danvers in size. Pkt., 5c.; oz., 10c.; ½-lb., 20c.; lb., 70c.

Improved Long Orange—A standard late variety, handsome and uniform in shape; deep orange color; good flavor; yields heavily. Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c.; oz., 10c.; ½-lb., 20c.; lb., 70c.

Belgian Carrots

The great stock food of Europe. Enormously productive; nutritious, and splendid keepers. **Long White Green Top and Large Orange Belgian**, each, pkt., 5c., oz., 10c.; ½-lb., 20c.; lb., 50c.

Chantenay Carrot.

Nantes Half-Long.

Belgians.

SWEET CORN

French—Maïs.

German—Witzelskorn.

Spanish—Maíz.

Our Ohio Grown Sweet Corn is Unexcelled by either Eastern or Western Grown Stock.

The Sweet or Sugar Corn varieties being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession plant every ten days or two weeks until the last week in July, in hills 2 x 3 feet for early kinds, and 3 x 3 feet for the large late kinds. Some plant in drills 3½ feet apart and 8 inches in the row. Give frequent and thorough cultivation.

One quart plants 200 to 300 hills. 8 to 10 quarts for an acre.

OUR QUART AND PINT PRICES INCLUDE POSTAGE.

If to go by Express, at buyer's expense, deduct 15 cents for quart, or 8 cents from pint prices. Peck and bushel quantities are sent at buyer's expense.

EXTRA EARLY CORY—One of the earliest known. Large ears, considering size of stalk, small cob well filled with handsome grains. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50; bus., \$5.50.

WHITE CORY—Identical with Extra Early Cory, except color; the kernels and cobs are white. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50; bus., \$5.50.

MAMMOTH WHITE CORY—This new strain is early as the original Cory, with ears of large size, and grains more compact. Cobs and grains pure white. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.75; bus., \$5.75.

EARLY MINNESOTA—Esteemed for its excellent qualities. White cob and grains. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50; bus., \$5.50.

FIRST-OF-ALL—Selection from the Cory; good quality, tender; sweet. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.50; bus., \$5.50.

EXTRA EARLY ADAMS—Hardest and earliest corn known. It is not a Sugar Corn. Ears short; grain white. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.25; bus., \$4.00.

COUNTRY GENTLEMEN—As a table corn this variety stands unrivaled, and, without doubt, is the most luscious of all sweet corns. The plump, pearly white kernels are of great depth, most delicious, and the flavor will delight an epicure. Size of ear attractive; has very small cob, and retain their tenderness a long time. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.50; bus., \$5.50.

COLUMBUS MARKET—Comes into market with the second earlies, but is fully twice as large as any of them. The ears carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are very tender and of finest flavor. Stalk very strong, sturdy, of medium height; leaves broad, dark green; giving it great endurance during a dry time. Customers are surprised at its large size and early maturity. Pkt., 4c; ½ pt., 20c; qt., 35c; pk., \$1.40; bus., \$5.50.

BURLINGTON HYBRID—Not a pure Sweet Corn, but quality better than Adams Corns. Its size and appearance ahead of any Sweet Corn of its season. Combines earliness with good quality; very productive; has a husk similar to sweet corn. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.40; bus., \$5.25.

Livinston's Silver Coin—Excels in productiveness and quality. It has a larger and more uniform ear than Stowell's Evergreen, fully as early and much more productive. Admitted to be the most "everlastingly evergreen" of all sweet corns. Pkt., 5c; pt., 35c; qt., 60c; ½ pk., \$1.40; pk., \$2.50.

KENDALL'S EARLY GIANT—Ears large, 8 to 10 inches long, 10 to 12 rows on each cob; kernels pure white, sweet and tender. Ready to use in 60 to 72 days according to soil and location. Pkt., 5c; pt., 25c; qt., 50c; pk., \$1.50; bus., \$5.50.

Livingston's Evergreen (White Cob)—This is simply our old Livingston's Evergreen with a white cob. The new White Cob strain lacks not one good quality of the older sorts from which it sprang. Pkt., 5c; pt., 25c; qt., 50c; pk., \$1.60; bus., \$6.00.

Livingston's Evergreen (Red Cob)—Our old original variety, introduced by us in 1860, and now a general favorite. It is a first-class second early corn. Very productive; large, well-filled ears, with broad kernels and very small cob, filled well over the tip. Very sweet (none sweeter). A very profitable food crop for stock when early feeding is desired. Pkt., 5c; pt., 25c; qt., 50c; pk., \$1.60; bus., \$6.00.

IMPROVED HICKOK—Earlier than Stowell's Evergreen, and has a large attractive ear of very white and handsome grain. Pkt., 5c; pt., 30c; qt., 60c; ½ pk., \$1.40; pk., \$2.60.

STOWELL'S EVERGREEN—A favorite with canners and market gardeners for late use. Ears large, kernels very deep, tend-r and sugary; very productive. Remains a long time fit for table use. Pkt., 5c; pt., 35c; qt., 60c; ½ pk., \$1.50; pk., \$2.75.

EGYPTIAN SWEET—Ears large, uniform, cob and grain white; very productive. Pkt., 5c; pt., 35c; qt., 60c; ½ pk., \$1.40; pk., \$2.60.

SHAKER'S EARLY—Splendid market sort, second early, large; white grain and cob. Pkt., 5c; pt., 30c; qt., 50c; pk., \$1.75; bus., \$6.00.

MAMMOTH SUGAR—Produces larger ears than any other sugar corn of good quality. Pkt., 5c; pt., 35c; qt., 60c; ½ pk., \$1.50; pk., \$2.75.

BLACK MEXICAN—The sweetest corn that grows; color when in roasting car purple and white. Pkt., 5c; ½ pt., 15c; qt., 25c; qt., 50c.

SWEET CORN FOR FODDER. Sow thickly in drills, or broadcast, at the rate of 2 or 3 bushels per acre. Peck, \$1.50; bus., \$5.00.

FIELD AND POP CORN—See Farm Seed Department.

Livingston's White Cob Evergreen

Robert Mitchell, Pulaski Co., Ark., writes:—"I wish I could get all my seeds from you, as they never fail to give satisfaction."

Mr. Chas. Whitman, Pike Co., Ind., writes:—"Received my seeds all right and all of them were in good shape and nice seeds. Have used your seed for sometime and they always give satisfaction."

Mr. C. E. Kearney, Crawford Co., Mo., "I have used your seeds for the past twelve years in different states and climates and find them the best. For the past few years I have used you other."

Mr. T. A. Fuller, Madison Co., Ind., writes:—"The garden seed I bought of you last season, gave entire satisfaction."

FIELD CORN. We sold hundreds of bushels in 1903 without a single complaint as to vitality or purity. Seed Farm Seed List.

DANDELION.

Seed should be sown in May or June on warm, rich soil, in drills half an inch deep and 18 inches apart. Plants ready for use the following spring. Roots, when dried and roasted, are often used as a substitute for coffee. When grown for the roots only, sow in September and cultivate well for one year, when the roots are ready for digging. **Large-Leaved**—Leaves fully double the size of the common Dandelion. A great advance over the old variety. Pkt., 10c.; oz., 50c.; $\frac{1}{2}$ -lb., \$1.50; lb., \$5.00.

Egg Plant

French—Aubergine. German—Eierpflanze. Spanish—Bereuena.

The Egg Plant should be more generally grown, for when well grown and properly cooked is a most delicious vegetable. The seeds germinate slowly, and should be started in flats or boxes in a strong, uniform heat, and kept constantly growing, because the young plants seldom recover if checked in their growth. Sow seed in hot-beds or warm greenhouse in March or early April; if no hot-bed is at hand they may be grown in any light room where the temperature will average 75 degrees. When plants are two inches high, or have formed two rough leaves, transplant them in beds 3 or 4 inches apart. Keep bed closed and very warm, shading from direct rays of the sun, giving an abundance of water until the ground is warm and all danger from frost and cold nights is past, then harden the plants by gradual exposure to the sun and air, and increase the supply of water; transplant to the open ground late in May or June into warm, rich soil, 2 or 3 feet apart each way, according to the richness of the soil. When about a foot high draw the earth up to the stems. Care should be given in cutting the fruit so as not to disturb the roots of the plants.

Livingston's Mammoth Purple.

SPINELESS. NORTHERN GROWN.

This splendid variety we obtained by careful selection and extra cultivation, beginning with a true strain of New York Improved Large Purple. The process of improvement was carried on for years, until we now have the finest strain of Mammoth Egg Plant of which we have any knowledge. While immense size was one of the main objects, we did not lose sight of other valuable points essential in a first-class market variety. It is quite early for such a large sort, and a sure cropper. Plant large, vigorous and productive. Fruit very uniform in color and shape; very large, usually 7 to 9 inches in diameter, but sometimes specimens are grown measuring 10 inches. Skin a handsome dark purple, smooth and glossy. Flesh white, of superior quality. We pronounce it the best Egg Plant in cultivation—no exception. It is very important that growers have the best seed and variety obtainable, for if poorly grown, irregular in shape or green in color, they are quite unsalable, and your time and money are wasted. **Selected Seed**—Postpaid—Pkt., 10c.; $\frac{1}{2}$ -oz., 30c.; oz., 50c.

Mrs. S. D. McLachland, Eau Clair Co., Wis., writes: "The Egg Plant seed I got of you did splendidly. The fruit was the largest I have ever seen."

LIVINGSTON'S
MAMMOTH

PURPLE

EGG PLANT

A PERFECT SPECIMEN

NEW YORK IMPROVED LARGE PURPLE—The leading variety known by marketmen everywhere: fruit large, smooth, deep purple; flesh white, of good quality. The stock we offer is true New Jersey grown. Pkt., 5c.; $\frac{1}{2}$ -oz., 25c.; oz., 45c.

New Pearl White

The plant is a large, vigorous grower, and comparatively free from thorns. Fruit pure creamy white, with slight shading of a very light green near the stem; beautiful in shape, resembling somewhat the purple variety. In eating quality it is very delicious, fine and well flavored. Pkt., 10c.; $\frac{1}{2}$ -oz., 25c.; oz., 40c.; $\frac{1}{2}$ -lb., \$1.50.

EARLY LONG PURPLE—Hardy, early, oblong. Pkt., 5c.; oz., 25c.

BLACK PEKIN—Very dark, round, early. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 30c.

Endive.

Its leaves make a splendid salad when properly blanched, and one that is very useful, as it comes in after lettuce is gone. It may be grown at any season, but is usually grown for use late in the fall. For an early crop, sow in April, in drills 15 inches apart, and later thin to 12 inches apart in the row. transplanted to above distance after attaining sufficient size. The main sowings are made in June and July. Ordinary good soil and cultivation are all it requires. When nearly full grown it is blanched in the following manner: Gather up the leaves and tie them by their tips in a conical form, thereby excluding the light and air from their inner leaves, which then blanch to a beautiful yellowish-white. This process takes two to five weeks, according to the temperature, blanching fastest in warm weather. Another method is to lay clean boards over the plants, which exclude the light and air. Tie up at different times, as it only keeps a short time after blanching. For winter use take up with earth and store in frames or a dry cellar. One ounce of seed will sow 100 feet of drill.

EVER WHITE CURLED—The most beautiful variety. Plants moderately dense; leaves coarser than those of the Green Curled, but the mid-rib is yellow and the leaves frequently almost white; plants very attractive, and always bring the highest prices on the market. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 40c.; lb., \$1.25.

FINE GREEN CURLED—Hardest variety; very desirable for the home and market garden. Deep green leaves, beautifully cut and curled, easily blanched, and becomes very crisp, tender and fine flavored. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{2}$ -lb., 40c.; lb., \$1.25.

LARGE GREEN CURLED—A large, coarse, strong growing variety, which, by tying up, can be made to form finely blanched centers of good quality. Outer leaves well cut, and light, deep green. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{2}$ -lb., 45c.; lb., \$1.50.

MOSS CURLED—A beautiful curled variety somewhat resembling moss; dark green color; quality fine. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 45c.; lb., \$1.50.

BROAD-LEAVED BATAVIAN—Broad, thick, slightly wrinkled leaves; form large heads, which are preferred for stews and soups; if the leaves are gathered and tied at the top they blanch nicely and make an excellent salad. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 40c.; lb., \$1.25.

Ever White Curled.

Livingston's Extra Fine Mixture of Gourds.

GOURD COLLECTIONS.

LIVINGSTON'S EXTRA FINE MIXED—Contains all of above useful and ornamental sorts and many others. An endless variety. Pkt., 5c; larger pkt., 10c; oz., 30c.
ORNAMENTAL SORTS MIXED—A great variety of curious and beautiful kinds. Pkt., 5c; oz., 40c.

Collection of all above (Eleven Distinct Varieties) only 40 cents, and a packet of our Extra Fine Mixed thrown in FREE.

GARLIC. German—*Knobauch*.
French—*Ail*.

Prepare the ground as for onions; plant bulbs in early spring in drills 12 inches apart, 4 inches in the row, 2 inches deep. Bulbs—(Postpaid), $\frac{1}{4}$ lb., 15c; lb., 40c.

HERBS.

Herbs in general delight in a rich, mellow soil. Sow seeds early in spring in shallow drills one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest properly; do this on a dry day, just before they come into full blossom, dry quickly in the shade, pack close in bottles or dry boxes to exclude the air. Varieties with an "a" are perennials.

Dill. This herb is used in large quantities in the making of Dill Pickles. The seed also has medicinal properties. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Sage. Sow on rich ground, 5 pounds to an acre, and thin plants to 16 inches apart. Cut young shoots when flowers open and dry in the shade. Used for flavoring. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

SAGE PLANTS—See list of Vegetable Plants.

OTHER LEADING VARIETIES—HERBS.

	PKT.	OZ.		PKT.	OZ.
Anise	5	10	Peppermint	10	35
*Balm	5	25	*Rosemary	5	35
Borage	5	15	*Rue	5	15
*Caraway	5	10	Saffron	5	15
Catnip or Catmint	10	40	Summer Savory	5	15
Coriander	Lb., 75c	10	Sweet Basil	5	10
*Fennel	5	10	Sweet Marjoram	5	15
*Henbane	5	20	Tarragon	10	25
*Horehound	5	20	*Thyme	5	20
Lavender	5	20	*Winter Savory	5	20
*Pennyroyal	10		*Wormwood	5	25

GOURDS

The Gourd is a tender annual and should not be planted until all danger from frost is over, and not less than six feet apart each way, in open ground, closer if on trellises. The following varieties will be found useful for household purposes, besides being very ornamental and serviceable as climbers.

COCYNEA INDICA—Has beautiful glossy foliage, and scarlet fruit. Pkt., 10c.
SNAKE or SERPENT—Has very long fruits, sometimes 5 feet, and is striped like a serpent. A great vegetable curiosity. Pkt., 10c; 3 pkts., 25c.
APPLE—Small and very beautiful. Pkt., 5c.
BOTTLE-SHAPED—Beautiful shape and color. Pkt., 5c.
Lemon, or Orange—Is sometimes called Mock Orange. Pkt., 5c.
Pear-Shaped—Beautifully striped with white. Pkt., 5c.
JAPANESE NEST EGG—Same shape, size and color as a hen's egg, and not affected by cold or wet weather. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c.
DIPPER—Used for dippers; 9 to 12 inches long; hold from one to four pints; will last for years. Pkt., 5c; oz., 20c.
SUGAR TROUGH—Holds four to ten gallons; hard, thick shell; very light, yet strong and durable; good for buckets, meat boxes, soap and salt dishes, and to protect early set tomato plants on frosty nights. Pkt., 5c; oz., 15c.
BATH SPONGE, or DISH CLOTH—Has a sponge-like lining; porous, tough, elastic and durable; two feet long; used as name indicator; vines ornamental. Pkt., 5c; $\frac{1}{2}$ oz., 20c; oz., 35c.
HERCULES CLUB—Longest of all; 2 to 6 feet. Pkt., 5c.

Earliest White Kohl Rabi.

KOHL RABI. TURNIP-ROOTED CABBAGE.

German—*Kohlraabi*. French—*Chou Rabe*. Spanish—*Calde Nabo*.
 When young and tender they are fine for table use; when matured they keep well and are excellent for feeding stock. For early use sow in hot bed, transplant and cultivate like early cabbage. For winter use sow the middle of June or first of July, in rows 18 inches apart, transplanting or thinning out to 8 inches in the row.

EARLIEST WHITE VIENNA—Smooth, short leaf, excellent for forcing and fine quality. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.35.
EARLY PURPLE VIENNA—Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c; lb., \$2.25.

KALE. German—*Blatter Kohl*.
French—*Chou Vert*.
Spanish—*Berton*.

Borecole, Kale or German Greens, are general terms applied to those classes of Cabbage, which do not form heads, but furnish an abundance of pretty curled leaves that are very ornamental and highly prized as food. Some of the varieties are the most tender and delicate of the cabbage family, and would be much more extensively grown if their excellent qualities were generally known. Can be grown in almost any soil, but the richer it is the better the product. Sow from the middle of April to the beginning of May like cabbage; transplant and cultivate same as cabbage. They are more hardy than cabbage, and will endure considerable frost without injury.

DWARF GREEN SCOTCH CURLED—It is very dwarf and spreading. The leaves are beautifully curled and of a bright green. Hardy; will remain over winter in any place where the temperature does not fall below zero. A decided improvement upon the old tall Scotch. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

HAIR DWARF MOSS CURLED—A particularly fine variety, possessing all the merits of both the tall and dwarf kinds; of compact, bushy growth; the foliage is light green and toward the center yellowish green. The edges of the leaves are so beautifully crimped that it resembles fine curled parsley, and can be used for garnishing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SIBERIAN KALE, GERMAN GREENS or "SPROUTS"—Extensively grown as winter greens; sow in September in rows 1 foot apart, and treat in every way as Spinach; it is very hardy and is ready for use in early spring. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Special Prices Made For Large Quantities of Kale.

LETTUCE

German—*Lattich Salat.*

French—*Laitue.*

The most used of all salads, is of easy culture, requires rich, moist soil, and clean cultivation, on which depends its appearance, tenderness and flavor. For early spring use, sow in a seed bed in September or October, and protect through the winter in cold frames, or in the south with leaves or litter, or sow in a hot-bed in early spring. Lettuce plants may also be started very successfully in boxes in the house. They should be about 4 inches deep. Make soil firm. Mark off into rows 2 inches apart and $\frac{1}{2}$ -inch deep, into which sow the seed quite thinly and cover with $\frac{1}{2}$ -inch of fine soil. A better way is to cover with blotting or brown paper fitted into the top of the box. First saturate the paper with water and keep moist until the seed germinates, and then remove. Expose the young plants gradually to the light. As soon as the ground outside can be well worked, set out the plants in rows eighteen inches apart and 8 inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. Sow in drills $\frac{1}{2}$ -inch deep, 18 inches apart and thin to 12 inches apart in the rows. Ounce of seed makes 2,500 plants.

Improved Hanson

None more reliable for outdoor cultivation. Heads grow to a remarkable size, resembling that of a flat cabbage, and so slow to run to seed that it often fails to form a seed stalk. The outer leaves are bright green, the inner leaves white and deliciously sweet, tender and crisp, and free from bitter taste. The stock we offer is the same as sold by us for many years, and we never get any complaints from it. It is unsurpassed and gives entire satisfaction. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 30c.; lb., \$1.10.

GRAND RAPIDS—ESPECIALLY ADAPTED FOR GREENHOUSE CULTURE in winter; also a GOOD LETTUCE to sow outside early for FAMILY USE. It is the result of years' selection from the Black-Seeded Simpson. It is very beautiful in appearance. It is of rapid, upright growth; may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers, especially shippers. Its quality is very desirable. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.25.

Crisp-as-Ice

(INTRODUCED BY US IN 1895). A most beautiful, attractive lettuce of the cabbage type. The heads are solid, of immense size when well grown and so exceedingly tender and brittle as to fully warrant the name, CRISP-AS-ICE. The glossy leaves are thick, nicely crimped and curled; outside they are beautifully variegated with dark bronze and green. The heads, when cut open, have a rich creamy-yellow heart. An exceedingly superior family and home-market lettuce. Pkt., 10c.; oz., 20c.; $\frac{1}{2}$ -lb., 50c.; lb., \$1.75.

Grand Rapids Lettuce.

MAMMOTH BLACK-SEED BUTTER—Heads large, solid, blanching to white at center. Leaves smooth, thick, brittle, tender and extra fine flavored. Long standing. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.25.

EARLY PRIZE HEAD—Forms a mammoth plant, in which even the outer leaves are crisp and tender; color bright green tinged with brownish red. It is of superb flavor and very hearty. One of the best for home use; not good for shipping, too tender. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 30c.; lb., \$1.00.

SILVER BALL—One of the best ALL THE YEAR ROUND Lettuces. Good for early spring, summer or winter forcing; of excellent quality. Heads SILVER WHITE, compact, with beautifully curled leaves. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.15.

EARLY WHITE CABBAGE, OR PHILADELPHIA BUTTER—This OLD RELIABLE variety is very tender, has large, solid, greenish-white heads, and stands the heat extremely well. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 30c.; lb., \$1.00.

CALIFORNIA CREAM BUTTER—Grand, good butter Lettuce. Heads of good size, round and solid, outside medium green, within the leaves are a rich, creamy-yellow color; rich and buttery in taste. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.15.

Celery Lettuce (TRIAXON) The favorite class of Lettuce in Europe is the Cos or blanching varieties, and this variety is the finest of its class. The long, narrow leaves, which form solid heads almost like a Wakefield Cabbage, blanch and quickly become snowy white. Excels in quality and crispness. The leaves, when blanched, are stiff like celery, and can be eaten in the same manner. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.15.

Iceberg Lettuce.

Iceberg

A BEAUTIFUL LETTUCE WORTHY OF UNIVERSAL CULTIVATION. THE QUALITY IS SIMPLY PERFECT. Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. Heads unusually solid because of the natural tendency of the large, strong leaves to turn in, which, also causes thorough blanching. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.25.

BLACK SEEDED SIMPSON (Curled)—A very popular sort among market gardeners everywhere. Forms a large, loose head. Its nearly white, curly leaves are large, thin, exceedingly tender; very good quality. Fine for home market. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 30c.; lb., \$1.

EARLY CURLED SIMPSON—Does not head, but forms a compact mass of curly leaves of yellowish-green. It matures early, hence is very generally grown in cold frames and as an early outside crop. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 30c.; lb., \$1.00.

Salamander

An excellent summer variety; forms large, compact heads; leaves light green outside; white within. Thick, smooth and very tender; of finest quality and long standing. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ -lb., 30c.; lb., \$1.00.

Mammoth Salamander

The New Mammoth Salamander is an improvement over the old variety, in being almost double in size. Market gardeners tell us that they realize more money from this variety than all others. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ -lb., 35c.; lb., \$1.25.

Salamander Lettuce.

Wonderful
Lettuce.

Wonderful Lettuce. True.

Mammoth Heading. Longest Keeping.

The **Largest Heading Lettuce** we have ever seen. It has been grown to weigh six pounds to the head, and frequently weighs two or three pounds. The heart is solid, of light green color, very tender and crisp, and without the slightest trace of bitterness. As an example of its "standing" properties, perfect heads were cut from the same bed for upwards of seven weeks. Two pounders, trimmed close, ready for table use, are not uncommon on our market. For exhibition purposes, and for an outdoor all-seasons variety it is exceedingly valuable. Pkt., 5c.; oz., 10c.; oz., 15c.; 1/4-lb., 50c.; lb., \$1.50.

Deacon While this lettuce does not grow so large as some sorts, it has few outside leaves, grows very solid, and has that delicious buttery flavor. The center of heads blanch to a bright yellow shade, and is very crisp and tender, remaining so for a long time, even in hot weather. One of the finest heading summer varieties. Pkt., 5c.; oz., 15c.; 1/4-lb., 40c.; lb., \$1.25.

Deacon Lettuce.

We can also supply the following well-known Lettuces: New York, Blonde Beauty, Mammoth Marblehead, Tomhannock, Boston Market, Buttercup, Tennis Ball, Black and White Seeded. Price of each—Pkt., 5c.; oz., 15c.; 1/4-lb., 40c.; lb., \$1.25.

LETTUCE.

Defiance Summer (Perpignan)—Unequaled for long-standing, and one of the finest large-growing cabbage varieties. It forms very large solid heads, so firm that they have difficulty in going to seed. The leaves are a beautiful light green. Pkt., 5c.; oz., 15c.; 1/4-lb., 40c.; lb., \$1.25.

Denver Market or **Savoy Lettuce**—An early Head Lettuce for forcing or open ground. Heads large, solid, of a desirable light green color. Leaves beautifully marked and blistered; very crisp and tender. Pkt., 5c.; oz., 15c.; 1/4-lb., 40c.; lb., \$1.25.

Tilton's White Star A universal favorite for forcing or outdoor planting, on account of having enormously large heads, bright color, crispness, and long-keeping qualities. A valuable shipping sort, as it remains a long time in condition for use. Pkt., 5c.; oz., 10c.; 1/4-lb., 30c.; lb., \$1.00.

J. C. Miller, Belmont Co., Ohio:—"Your seeds last year were all right. I had Wonderful Lettuce heads 6 to 10 inches in diameter, not counting loose leaves."

Selected Big Boston A most desirable large variety for forcing in cold frames; and for outdoor planting it is unsurpassed, as it does well under great variations of temperatures. Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. Heads large, beautiful and solid when grown inside, more loose when grown outside. Our stock is direct from the originator. Pkt., 5c.; oz., 15c.; 1/4-lb., 40c.; lb., \$1.25.

Big Boston Lettuce.

Livingston's Lettuce Mixture.

ONE SOWING—SALAD FOR SEASON.

Contains a grand assortment of decidedly distinct, beautiful, rare, odd and excellent Lettuces. They come early, medium and late; some curled and crimped, others produce heads. Colors range from almost pure white, through delicate shades of green and yellow to rich golden. All are delightfully fresh, crisp, tender and of rich buttery flavor. All sizes, from small early to the mammoth summer varieties. Our Lettuce Mixture is of great value to those of limited time and wish to make one sowing do for the season. Liberal Packet, 10c.; 3 for 25c.; 1/2-oz., 15c.; oz., 25c.

Leek.

Leeks can be cultivated either by sowing early in the spring in a seed bed and transplanted, or by sowing outside. If sown in a seed bed, when about 6 inches high transplant into deep, rich soil, 5 inches apart; plant deeply, close to their leaves, so that the necks may become blanched. A good watering at time of transplanting is very beneficial. If sown outside, sow early in the spring in rows about 18 inches apart; when 4 inches high thin to 4 inches apart. Transplanted plants always produce larger and earlier Leeks.

BROAD SCOTCH, or LONDON FLAG. The hardy kind; large, strong plants with broad leaves. Pkt., 5c.; oz., 15c.; 1/4-lb., 40c.; lb., \$1.25.

LARGE MUSSELBERG (Carantan or Scotch Champion)—A favorite market sort of enormous size; large broad leaves; flavor very mild and pleasant. Pkt., 5c.; oz., 20c.; 1/4-lb., 50c.; lb., \$1.60.

Leek.

Muskmelon.

French—Melone.

German—Melon.

Sapnish—Melon.

should be pinched off when about 3 feet long. Cultivate often and shallow.

FINEST GREEN FLESHED SHIPPING MELON.

A rich, sandy soil is most desirable for melons. Seed should be planted when the ground has become warm, in hills 6 feet apart each way; old well-rotted manure should be thoroughly mixed with the soil in each hill; put 6 to 10 seeds in the hill, and, when danger from insects is past, leave 3 or 4 of the strongest plants only. They are also sown in rows about 6 feet apart, and thinned to stand in hills 5 or 6 feet apart just before the plants begin to vine. This method insures a stand in spite of bugs. If plants grow very rank the tips of the leading shoots

THE CELEBRATED

ROSE GEM

Named and introduced by us in 1896.

The illustration opposite is a reproduction of a photograph of this improved Netted Gem Melon. The shape is more oval than the original strain, which gives them additional strength to stand shipping. The size has also been improved without losing a day in earliness, and, on account of these improvements, the ROSE GEM became famous all over the United States in a very few years. We regard it the very best and most profitable extra early melon in existence for market gardeners and shippers, being especially adapted to basket shipping. The beautiful green flesh is fine grained, "smooth as butter," and very sweet. Pkt, 5c.; oz., 15c.; 2 ozs., 20c.; 1-lb., 30c.; lb., \$1.00.

Rose Gem Muskmelon Showing Thickness of Flesh.

Rocky Fords An Improved Netted Gem Melon with sweet, green flesh. In the hands of Rocky Ford, Col., growers it has made that state famous in eastern markets for melons of unequalled quality. Our seed was grown for us at Rocky Ford and saved especially for seed purposes. Pkt., 5c., oz., 15c.; 2 ozs., 20c.; 1-lb., 30c.; lb., \$1.00.

Emerald Gem Comes early; medium size; nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Pkt., 5c.; oz., 20c.; 1-lb., 50c.; lb., \$1.75.

EXTRA EARLY GREEN CITRON—FIRST IN MARKET—The largest of the very early nutmeg melons. Form, nearly round; fairly netted; flesh green; quality first-class. Pkt., 5c.; oz., 15c.; 2 ozs., 20c.; 1-lb., 30c.; lb., \$1.00.

LONG ISLAND BEAUTY—A splendid new variety of the Hackensack type, but slightly more ribbed. It is of very superior quality, with green flesh, and densely netted. Very beautiful, and one of the earliest. Pkt. 5c.; oz., 20c.; 1-lb., 50c.; lb., \$1.75.

Mr. J. A. Ramsey, Harris Co., Tex., writes:—"In my experience, I have no seeds so reliable as yours."

G. W. Bennet, Harrison Co., Miss., writes:—"Your seeds are grand, and I have quite an acquaintance with home people may be able to assist you here."

PAUL ROSE (Petoskey.)

Fine Yellow Fleshed Shipping Melon

A decidedly meritorious variety that is bound to please all classes. In the Paul Rose we have a successful cross of the Osage with the Netted Gem, and which combines the sweetness of the former with the fine netting of the Gem. It is a large sized Netted Gem, but with deep orange flesh. A great producer of extra fine quality melons. They are as early as the Gems. Especially adapted, on account of size, to shipping in baskets. Our stock seed is saved from selected melons. The Paul Rose originated with an extensive grower of Northern Michigan, where the climate seems peculiarly conducive to the high quality of the melons. TRUE STOCK—Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; 1-lb., 35c.; lb., \$1.25.

Osage Gem

This new variety has the desirable oval shape for a shipping melon. Its beautiful netting will assist in selling it on sight, but when the quality of its rich salmon-colored flesh is known it will be called for on account of its table merits. Pkt., 10c.; oz., 20c.; 1-lb., 50c.; lb., \$1.75.

Livingston's Market

Has beautiful, close, strong netting; a vigorous grower, very hardy, withstands drouth, blight and bugs remarkably well. An attractive and quite distinct variety. Very prolific, uniform in size, and has a long fruiting season. Fruit solid; small seed cavity, seldom bursts; green fleshed; flavor splendid. Pkt., 5c.; oz., 20c.; 1-lb., 50c.; lb., \$1.75.

New Tomato

Don't overlook our new Dwarf Stone. The largest fruited dwarf tomato in existence.

Packet, 15c.

Paul Rose Muskmelon.

Livingston's Typical Tip Tops.

Livingston's

"Tip Top" Melon

The Best General Purpose Melon Ever Introduced.

TIP TOP In Quality.

TIP TOP in Productiveness.

TIP TOP in Appearance.

Introduced by Us in 1892.

This grand melon has "held its own" with all new comers for the past ten years or more, and no other melon of which we have knowledge compares with it in uniform good eating qualities and should be planted by all classes of melon growers, large or small. **IT ALWAYS PLEASES.** The testimony of all who use **TIP TOP** is that every melon produced, whether big or little, early or late, is a good one: sweet, juicy, finest flavor, firm (but not hard) fleshed, and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight—customers soon learn to pick them out, and will have no other kind. Fruit of large size, nearly round, evenly ribbed, moderately netted and very productive. By care and close attention have greatly increased the amount of netting and attractive appearance of this variety: seed exceedingly scarce. Pkt., 10c; ½ oz., 20c; oz., 30c; 2 lbs., 55c; ½ lb., \$1.00.

SHUMWAY'S GIANT—Mammoth in size, often as large as a water bucket; a genuine curiosity in the way of a melon; flesh a salmon color; flavor pleasant. Pkt., 5c; oz., 15c; 2 ozs., 25c; ½ lb., 40c.

Columbus Melon A green-fleshed, variety, ripening with Hackensack, and a heavy yielder. Vines strong and thrifty, and the melons retain their good quality for a week or more if left on the vines. Strikingly distinct in shape, color and general markings, and no melon will compare with it as a long keeper. Beautiful buff skin is covered with a very thick, whitish netting. It is almost entirely free from ribs or seams. The flesh is solid and thick, even at the blossom end, leaving only a small seed cavity; never bursts open at either end, and can be safely shipped long distances in barrels or other large packages. Its attractive appearance insures ready sales in any market, and its good table qualities create at once a lively demand from customers. Pkt., 5c; oz., 15c; 2 ozs., 25c; ½ lb., 40c; lb., \$1.50.

BANANA MELON—Very odd, 18 to 24 inches long. Yellow flesh, blending from bright green to rich salmon. Early. Fragrant and one of the most delicious of melons. Pkt., 5c; oz., 20c; 2 ozs., 35c; ½ lb., 50c.

Other Good Muskmelons.

We can supply the following varieties at the uniform prices: Pkt., 5c; oz., 15c; 2 ozs., 25c; ½ lb., 40c; lb., \$1.50.

Perfection, Bay View, Cassaba, Surprise, Hackensack, Early Green Nutmeg, Jennie Lind.

Also the following at: Pkt., 5c; oz., 15c; ½ lb., 50c; lb., \$1.75.

Montreal Market and Champion Market.

Banana Melon.

Winter Pineapple

This novel and quite distinct sort with its peculiar shape and corrugated skin is quite accurately shown in the cut. Rind very thin, of a rich yellow color tinged with green. Flesh firm, light green in color; delicious pineapple flavor. Fruit of large size, frequently weighing 15 lbs. or more. Melons seldom ripen on the vine but should be carefully picked off after first frost and stored like winter pears in a dry, cool place. Bring into a warm room a few days previous to using. If carefully handled they may be kept late in the winter. Quite a curiosity in the melon line. Try a few and see how long you can keep them, then report to us. Pkt., 5c; oz., 20c; ½ lb., 55c; lb., \$1.75.

Winter Pineapple.

Strawberry.

Very desirable in point of excellence, with a sweet strawberry flavor, hence the name. Of good market size, 6 to 8 pounds. Outside appearance compares favorably with the green nutmeg of old, turning a yellowish hue when ripe. Its smooth deep flesh is of an attractive red color. Pkt., 10c; oz., 20c.

The Osage.

A favorite yellow-fleshed variety. Large, oval, slightly ribbed and netted; SKIN VERY DARK GREEN; flesh a deep, rich salmon, sweet, highly flavored and delicious to the rind. The whole crop is very even and fruit extra-heavy, owing to the thickness of the meat. Pkt., 5c; oz., 15c; ½ lb., 45c; lb., \$1.50.

Extra Early Hackensack.

Produces melons two weeks earlier than the well known Hackensack; heavily netted, and has light green flesh of delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipment, and will keep in good condition for several days after picking. Seeds not easily shaken loose en route. Pkt., 5c; oz., 15c; ½ lb., 40c; lb., \$1.40.

KINSMAN QUEEN—Similar to Emerald Gem will average three times as large. Is among the first to ripen. Nearly round in shape. Skin, yellowish-green, slightly ribbed and netted; flesh deep salmon color, juicy and delicious. Pkt., 5c; oz., 15c; ½ lb., 30c; lb., \$1.00.

JERSEY BELLE—A variety commencing to bear right after the small, first-early sort, and about three times larger. Fruits flattened, heavily ribbed and netted; regular in form and size; of superior flavor. Pkt., 5c; oz., 15c; ½ lb., 30c; lb., \$1.10.

BALTIMORE NUTMEG.—(Acme)—Has a beautiful, heavily netted green skin; good size in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and always sweet; very productive: NEVER BURSTS OPEN AT BLOSSOM END. Pkt., 5c; oz., 15c; ½ lb., 30c; lb., \$1.00.

W. S. Palmer, Summit Co., Ohio, writes:—"I am much pleased with the promptness you gave my small order, also for quality and prices of seeds. Please place my name on your list for catalogue and will send you my full order another season."

The Columbus Muskmelon.

WATERMELON

German—*Wasser Melon*. French—*Melon d' Eau*. Spanish—*Sandía*.

ammonia and potash. Plant 8 or 10 seeds in each hill, and finally, when danger from insects is pass, leave but three strong plants.

One ounce of seed for 30 hills 1 or 2 pounds to the acre.

FORDHOOK EARLY—Largest early melon grown. Fruit round; outer color medium green. Flesh bright red, of fine quality. A good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

COLE'S EARLY—Very bumpy, a sure cropper; extremely delicate in texture of flesh, which is a dark red; rind green, striped with lighter shades, thin, very brittle. Medium size, nearly round; comes early. Surest cropper for northern states. Good for home use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., \$75c.

TRIUMPH—A new variety. Fruit is uniformly large, nearly round, dark green, indistinctly striped with a lighter shade; rind thin and firm, making it an excellent shipper; flesh bright red and of good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c.

PRIDE OF GEORGIA—Dark green; oval; fine, large second-early sort; a good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 50c.

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes leave but one or two melons on a vine. Plant in hill 8 to 10 feet apart each way, with a shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used it should contain a large percentage of ammonia.

True Ice Cream

THE GREAT KITCHEN AND HOME MARKET MELON.

This old standby has too thin a rind for shipping unless packed in straw. We have sold it for many years to our extensive Scioto Valley melon growers, because it has become a great favorite with Columbus melon dealers and consumers. Few, if any, surpass a **True Ice Cream** for quality and productiveness. Of good size, medium early, fruit oblong, rind light mottled green; flesh bright scarlet, solid to the center, melting and delicious. Absolutely free from hard core or stringiness. Seed white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c.; 3 lbs. for \$1.50.

Kleckley Sweets Watermelon.

CKECKLEY SWEETS—Large, oblong; skin dark green, flesh bright scarlet, sweet and sugary; the rind is only about one-half an inch in thickness; better for home use than for shipping. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

McIver Wonderful Sugar Watermelon.

McIVER WONDERFUL SUGAR—A large, oblong melon of handsome appearance; skin shows broad bands of white, with narrower one of green. Its soft pink flesh is crisp, juicy, very sweet and solid to the center. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c.

Phinney's Early Watermelon.

PHINNEY'S EARLY—One of the first to ripen, of good size and productive; flesh oblong; rind a distinct mottled color; the flesh is a deep red; quality fine. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c.

FLORIDA FAVORITE—A splendid oblong melon; ten days earlier than Kolb's Gem; red flesh, of finest flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

GEORGIA RATTLESLAKE OR GYPSY—Very large, long, smooth and distinctly striped; flesh bright scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 85c.

Sweet Heart Watermelon.

Sweet Heart

This melon is early, large, handsome, heavy and productive. Shape is oval, see cut; skin mottled light to very dark green. Flesh bright red, solid, tender and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c.

Gray Monarch Watermelon.

GRAY MONARCH—Very large; skin mottled gray; long; flesh bright crimson, and of a delicious flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c.

DARK ICING—One of the sweetest of all melons. Very solid; thin rind; rich, red flesh; highly prized as a shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c.

PRESERVING CITRON—Red seed. Used for sweetmeats and preserves only; flesh solid, white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 65c.

LIVINGSTON'S NABOB.

A Distinct and Beautiful Melon.

Named and Introduced by us in 1895.

The Best for Home Garden, Market Garden, and for Shipping. Vines hardy, vigorous, healthy and productive; fruit large and heavy (30 to 60 pounds), resembles the Kolb Gem in shape, but differing in color, being peculiarly mottled, rather than striped; rind thin and very firm; fruit keeps long, and is not excelled in shipping qualities; seeds dark buff or dun color; flesh deepest scarlet, firm, solid, and of richest flavor. Tested on different soils, in various climates, and under unfavorable, as well as favorable conditions, and all praise its good qualities. Pkt., 5c.; oz., 10c.; 2 lbs., 20c.; 4 lb., 25c.; 10 lb., 55c.

FERRY'S PEEBLESS—One of the best for home gardens and market gardeners who deliver direct to customers. Medium size, flesh red, white, very tender and delicious. Pkt., 5c.; oz., 10c.; 4 lb., 25c.; 10 lb., 55c.

SEMINOLE—One of the best large, long melons. Early, enormously productive, and of most delicious flavor. Of two distinct colors—gray and light green. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 65c.

CUBAN QUEEN—This is a large variety, often weighing 80 pounds and upward; striped light and dark green; an enormous cropper. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 55c.

Livingston's Nabob Watermelon.

Improved Dixie—Fruit beautifully striped; is surpassing; keeper; flesh very red, sweet and juicy; quality excellent. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 60c.

DUKE JONES (Jones' Jumbo)—Color of the skin is a solid dark green; flesh a very bright red, particularly sweet, juicy and melting. It grows to a large size, sometimes 80 pounds, with plenty of them at 40 to 60 pounds. One of the best shipping sorts. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 55c.

Kolb's Gem—Probably the most extensively grown for long-distance shipping of any watermelon ever originated. Flesh bright red and of good flavor. It is one of the largest, most productive and best keeping melons grown. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 50c.; 3 lbs. for \$1.40.

BLACK DIAMOND—Fruit very large; productive; form somewhat oval; skin dark green, almost black; quality exceptionally fine. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 65c.

STANDARD WATERMELONS which we can supply at the uniform price of Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 60c.: Light Icing, Mountain Sweet, Mammoth Ironclad.

IF YOU DON'T BUY ANOTHER THING OF US YOU MUST HAVE LIVINGSTON'S FAMOUS TOMATOES.

Kolb's Gem Watermelon.

Mushrooms

One of the most profitable crops for the out-let that can be grown. The market is sure, because the supply never equals the demand. Mushrooms can be grown in any dark room or cellar where the temperature can be kept at 50 to 70 degrees. From some old pasteure procure good rich soil and store it away. To every bushel of this add two bushels of fresh horse manure. Of this well mixed com-

position prepare a bed, say 4 feet wide. Put down a thin layer and pound it down hard and so on until the bed is 12 to 15 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 to 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about 12 days; then cover the bed with two inches of fresh loam, and over this put 4 or 5 inches of hay or straw, and the work is done. If the temperature is right, in 6 or 8 weeks you may expect Mushrooms. The bed will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil, moisten with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed 2 x 6 feet. We import our spawn from the best makers in England. Our new Booklet on Mushroom Growing gives further details. It is free to patrons if requested when ordering.

ENGLISH MILLTRACK SPAWN—By mail, postpaid, per Brick, 30c.; 5 for \$1.25. By Express, at buyer's expense, 5 lbs., 65c.; 10 lbs., \$1.10; 25 lbs., \$2.50; 50 lbs., \$4.50.

FRENCH MUSHROOM SPAWN Put up in boxes of 2 pounds each. Price, per box, 75c.; by mail, \$1.00.

Mushrooms: How to Grow Them. By Falconer. A book of 169 pages, 5 x 7 inches. Cloth. Price, \$1.00.

Mustard.

German—Scarf.
French—Moutarde.
Spanish—Mostaza.

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like Spinach. Cultivate same as cress.

SOUTHERN GIANT CURLED—Very highly esteemed in the South, where the seed is sown in the fall and plants used very early in spring as a salad. Seed brown. Produces plants two feet high; forms enormous bunches. Pkt., 5c.; oz., 10c.; 4 lb., 20c.; 10 lb., 60c.

NEW CHINESE

A giant curled variety with leaves double the size of the ordinary. Pkt., 5c.; oz., 10c.; 4 lb., 25c.; 10 lb., 80c.

WHITE ENGLISH

Leaves light green, mild and tender when young; seed light yellow. Pkt., 5c.; oz., 10c.; 4 lb., 15c.; 10 lb., 40c.

BROWN OR BLACK MUSTARD

More pungent in flavor than the White. Pkt., 5c.; oz., 10c.; 4 lb., 15c.; 10 lb., 40c.

New Chinese Mustard.

LIVINGSTON'S SUPERIOR ONION SEED.

We take Pride in the Record of our Fine Strains of Onion Seed.

Having grown Onions for many years, for market as well as for seed purposes, we are in position to fully appreciate the necessity there is for using great care in the selection of the bulbs for seed production. There is no crop which depends more upon the quality of the seed. The seed we offer, we are sure, is not surpassed anywhere, and is thoroughly tested for vitality before it is sent out, so that it is sure to grow, where soil and season are favorable, and sure to produce an abundance of well-shaped bulbs, free from scullions or stiff-necks. Our aim is to always sell at reasonable prices and as low as any in the trade offering strictly first-class seed.

Culture. Onion seed should be sown as soon as possible in the spring, even if the weather is cold, just so the soil works up well. This gives them a good start ahead of the weeds, and before dry weather sets in. After thoroughly pulverizing the soil, sow thinly, 4 to 5 pounds to the acre, in drills one foot apart and about

one-fourth inch deep. When well started, say four inches high, thin out to stand three to four inches apart in the drills, keeping them well hoed and free from weeds. Onions delight in rich, deep, sandy loam, and succeed well if grown for a succession of years on the same ground. Deep plowing is said to prevent blight. To get heavy crops of finest shaped and high colored bulbs, especially Danvers and other Globes, large quantities of well-rotted manure must be used—15 to 20 cords per acre would be none too much. If well-rotted manure is not to be had, use high grade commercial fertilizer containing a large percentage of potash. Onions keep best when ashes, as a fertilizer, are used. When harvesting, protect the bulbs from rain or dew while in the open air or they will be discolored.

On application we will send booklet giving more complete cultural directions for growing onions, both by the ordinary method as well as by the **New Transplanting Method, FREE**, to customers, 10 cents to others.

Livingston's
Extra Selected

Ohio Yellow Globe

Generally admitted by seedsmen and onion growers everywhere to be the most desirable strain of perfect type of Globe-shaped Onions in existence. We name it "Ohio Globe" to designate it

from the many strains of Globe Danvers now offered; besides to Ohio growers belong the honor of producing, by many years of painstaking care, selection and cultivation, this, the finest strain of that extreme type of Globe now so eagerly sought after by all the best growers, and so deservedly popular in all large onion markets. Its main points of excellence are: Distinct and attractive shape, handsome, bright, even color; ripens early and all at once; necks very small, and cure down to almost nothing. The firm, solid bulbs are excellent winter keepers, and all that can be desired in size and quality; enormous yielders—800 bushels (standard weight) per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil (well enriched) and especially good for muck lands on account of its quick maturing qualities. Pkt., 5c.; oz., 20c.; 2 ozs., 30c.; $\frac{1}{4}$ -lb., 45c.; lb., \$1.50.

Our
Own
Home
Grown
Seed

New Brown Beauty

Introduced by us in 1900. For over 30 years the market gardener's favorite Onion for Columbus market. For winter and early spring it is hard to beat. Hardy and solid; keeps anywhere in good shape until late spring. A medium flat variety, of good size; cures down early and perfectly; skin dark brown; flesh white and of desirable flavor. Being so hard it is good for putting out early for green bunch onions. Onion set growers should not fail to test this variety, as no other sort equals it for keeping qualities. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

PHILADELPHIA YELLOW STRASBURG—A splendid yellow variety of fair size; the best yellow for a bright, round, plump set. Pkt. 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

SOUTHPORT YELLOW GLOBE—Very large; skin a fine deep yellow; keeps well. We have a fine Connecticut-grown stock. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ -lb., 40c.; lb., \$1.25.

Ohio Yellow Globe Onion.

LARGE YELLOW DUTCH—The well-known flat, bright yellow onion; a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

AUSTRALIAN BROWN ONION—A valuable early variety of medium size, hard and solid, attractive for market, both as to form and appearance; color of the skin is a clear amber-brown. Not excelled as a long keeper except by our New Brown Beauty. Never makes any stiff-necks or scullions. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

Improved Large Yellow Globe UNDERWOOD STRAIN.

An exceptionally uniform strain of Yellow Globe Onion of the finest quality and a good keeper; matures early; has very small neck; skin beautiful, glossy, dark buff color; flesh fine grain, solid, sweet and juicy; uniform in shape, and just the right size. Pkt., 10c.; $\frac{1}{4}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.

Select Yellow Danvers Globe In many parts of the country the Globe Danvers is the favorite, and if first-class seed, such as we offer, was always furnished by dealers, this sort would be liked everywhere. The photograph alongside shows a typical bulb grown from our choice Connecticut seed. California grown seed of this sort runs too flat. In our select strain we have retained the "small neck" and "drying down" qualities so much to be desired. The vigor of this strain enables it to resist disease and produce the largest possible crops of hard, symmetrical bulbs. A beautiful golden color; medium size, quite early; bottom slightly flattened, oval top; very prolific; first-class keeper and shipper. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ -lb., 40c.; lb., \$1.25.

Yellow Danvers Flat A splendid extra early yellow onion for either market or home use; it is flatter than the Globe Danvers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

Yellow Danvers Globe Onion.

Southport Large Red Globe.

Southport Large White Globe.

By careful selection we have developed this handsomest of all white varieties until it is second to none as a good keeper. Produces handsome, large, pure white, globe-shaped bulbs; flesh firm, fine grained, mild flavor. Choice Connecticut-grown seed. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 60c.; lb., \$1.85.

✓ **AMERICAN, or BLOOMSDALE EXTRA EARLY PEARL**—A very fine and very early variety. Bulbs, when well grown, are large, round, flattened, with a delicate pure white skin; flesh very mild in flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

✓ **Indiana Silverskin** This strain of white onion produces round hard sets, and the large bulbs are flat. We recommend it very highly for growing white sets. Having a liberal supply of the seed; we can offer it somewhat cheaper than Philadelphia Silverskin. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.50.

White Portugal or Silverskin.

Matures early, large size, mild flavor; excellent for winter; much esteemed for pickling when small; a handsome big onion. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

✓ **WHITE QUEEN**—A very early pure white, small flat onion, 1 to 2 inches in diameter; sown in early spring will ripen in July. Very mild flavored; excellent for pickling. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 60c.; lb., \$2.00.

✓ **ROUND WHITE SILVERSKIN.** One of the best pickling onions. Uniformly small, round and handsome, with opaque white skin, which does not turn green upon exposure to the sun. They are compact and hard, but at the same time crisp and brittle. Not suitable for sets. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 60c.; lb., \$2.00.

✓ **WHITE VICTORIA**—A beautiful, large, round variety with silver-white skin, but sometimes of a delicate light rose color; flesh juicy, sweet and milky-white; flavor very mild; good keeper. Pkt., 5c.; $\frac{1}{4}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.

R. S. Temple, Labette Co., Kan., writes:—"I raised the finest vegetables from your seed that I ever saw. Put in three acres of tomatoes, and sold \$1,000 worth. The Southport Large Red Globe onion outsells any that we ever raised here. Everything from your seeds brought the best of prices."

Southport Large Red Globe.

Our strain of Red Globe Onion is grown from carefully selected bulbs every season, and is sure to produce the large, globular, small-necked type, being quite distinct from the ordinary Red Globes sold today. As a general cropping variety it is becoming more popular each season. The skin is a glossy dark red. A very showy market onion. Flesh fine grained, mild, tender, and of excellent quality. A long keeping sort and an immense cropper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 35c.; lb., \$1.25; 5 lbs., \$6.00, postpaid.

✓ **EXTRA EARLY FLAT RED**—Medium sized variety, very uniform in shape; smaller than Red Wethersfield, but two weeks earlier; an abundant producer; good keeper; desirable for early market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 35c.; lb., \$1.00.

Large Red Wethersfield.

(See cut below.) For general purposes, the country over, no red variety is so largely grown. Large size, somewhat flattened; skin deep purplish red. One of the best keepers. We recommend it as a general cropper and a variety that will do well anywhere that large onions can be grown. Yields enormous crops. Our stock of Wethersfield is excelled by none. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 30c.; lb., \$1.00.

Bermuda Island Red. Genuine Seed Imported direct from Teneriffe.

Very early pale red onion grown extensively in the Bermudas and southern parts of the United States for early shipping to northern markets. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild, sweet flavor of the imported ones. Pkt., 5c.; $\frac{1}{4}$ -oz., 15c.; oz., 25c.

✓ **BERMUDA ISLAND WHITE**—Mild flavor; white in color; otherwise same as the Red. Pkt., 10c.; $\frac{1}{4}$ -oz., 20c.; oz., 35c.

Philadelphia White Silverskin.

A good sized white, and grows a most beautiful, firm, round, pearly white set. Extensively grown. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ -lb., 50c.; lb., \$1.75.

Seth Hayes, Sandusky Co., Ohio, writes:—"Enclosed find order. I feel sure of your seeds than any other. My onions from seed last year were much praised."

CINCINNATI MARKET RADISH
 PACKET 5¢ - oz 10¢ - 1/4 lb 20¢ - 1 lb 65¢ - 5 lbs \$3.00 POSTPAID.

SOUTHPORT LARGE RED GLOBE ONION. PKT 5¢ - oz 10¢ - 1/4 lb 35¢ - 1 lb \$1.25 - 5 lbs \$6.00 POSTPAID.

ONE PACKET RADISH	.05¢
" " ONION	.05¢
" " LETTUCE	.10¢
" " BEET	.10¢
" " CUCUMBER	.10¢
	40¢

One packet of each of five finest
 vegetables shown on this page.
 only 20 CTS

LIVINGSTON'S EMERALD CUCUMBER - PKT. 10¢ - 1/2 oz. 15¢ - oz. 25¢ - 1/4 lb. 65¢

NEW HARBINGER LETTUCE. PKT. 10¢ - oz 20¢ - 2 oz 35¢.

CROSBY'S
 IMPROVED
 EGYPTIAN
 BEET

PKT. 10¢ - oz. 15¢ - 1/4 lb 30¢ - 1 lb 80¢ - 5 lbs \$3.50. POSTPAID

MAMMOTH SILVER KING.

Of attractive shape, with silver-white skin, and flesh of a most agreeable, mild flavor. It matures quite early—coming just after onions grown from sets are gone—and reaches a much larger size than any other of the flat varieties, frequently measuring 20 inches in circumference. Must be sown thinly to produce large onions. True American grown seed. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{2}$ lb., 60c.; lb., \$2.00.

**PRIZETAKER
ONION.****NEAPOLITAN MAGGIAJOLA.**

Italian May Onion—A large, flat, beautiful silver-white skinned variety; one of the earliest of all, and of very mild flavor. Can be sown in February or March and will mature a crop very early; or if sown in July the crop will be matured the same season. In the South seed may be sown in autumn, and large onions gathered in March. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 45c.; lb., \$1.40.

EXTRA EARLY BARLETTA.

The Very Earliest Onion in Cultivation.

One of the best for pickling. Pure white, mild and delicate; perfectly adapted for table use and makes a pretty bunch onion. Especially if grown by the transplanting method. Pkt., 5c.; oz., 20c.; $\frac{1}{2}$ lb., 50c.; lb., \$1.55.

Giant Rocca.

Light brown skin, globular in form, flesh tender and mild. It will produce an immense onion from seed the first season. To attain the largest growth the smallest bulbs should be set out the next spring, when they will continue increasing in size instead of producing seed.

Pickled Barlettas.

Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 45c.; lb., \$1.50.

Livingston's Choice Onion Sets.

Early green onions are more quickly obtained from using sets than seed; some of the latter, however, should be sown to follow crop from sets. Plant as soon as ground will permit, and they will be ready in June.

Bottom Sets are grown from seed sown very thick, in broad, shallow furrows, and covered only about half an inch. Do not thin them out. (Bus. 32 lbs.)

White Bottom Sets—Pt., 15c.; qt., 30c.; $\frac{1}{2}$ pk., 50c.; pk., 80c.; bus. \$3.

Red Bottom Sets—Pt., 15c.; qt., 25c.; $\frac{1}{2}$ pk., 50c.; pk., 80c.; bus. \$3.00

Yellow Bottom Sets—Pt., 15c.; qt., 25c.; $\frac{1}{2}$ pk., 40c.; pk., 75c.; bus. \$2.50.

Top Sets or Buttons—These produce the small clusters on top of the stem, where seed is produced in the common kinds. These small ones are planted in the spring and the result is large onions, and these large ones, with one year's growth, produce the clusters on top. Pt., 15c.; qt., 30c.; $\frac{1}{2}$ pk., 60c.; pk., \$1.00; bus. (28 lbs.), \$3.50.

White Multipliers—Pure silvery-white, enormously productive. Frequently 20 bulbs in a cluster from a single bulb; of excellent quality and size for bunching green, or can be ripened for pickling onions. Their keeping qualities are remarkable, but their most important quality is extreme earliness, being ready for market three or four weeks ahead of seed onion sets. Pt., 20c.; qt., 35c.; $\frac{1}{2}$ pk., 75c.; pk., \$1.25; bus. (28 lbs.), \$4.75.

Potato Onions—Esteemed by many as the best for early use; large size, mild, sweet flavored, very early; large producers. The small bulbs are planted in the fall or spring, produces a quantity of small bulbs in a cluster, growing mostly on top of the ground. Pt., 20c.; qt., 35c.; $\frac{1}{2}$ pk., 65c.; pk., \$1.15; bus. (32 lbs.), \$4.00.

White Egyptian or Perennial Tree—When once set out it grows for years without protection or care, except in keeping down the weeds. It is ready use a long time before any other can be had. It is mild flavored, sweet and tender if used when quite young. They form no large bulbs, but divide and grow many small onions in a bunch. Desirable for family use, and very profitable for market gardeners. Pt., 15c.; qt., 25c.; $\frac{1}{2}$ pk., 60c.; pk., 50c.; bus. (28 lbs.), \$1.75.

MAMMOTH PRIZETAKER.

This is the large, beautiful Spanish variety sold in the fruit stores and markets of all large cities. Enormous size, averaging 14 to 16 inches in circumference. Although of such great size, it is very hardy and a good winter keeper. Outside skin is rich yellow, while the flesh is white, sweet and tender. They bottom well, are free from stiff-necks, and have produced more bushels of marketable onions to the acre than any other variety in America. In market they attract attention, and sell readily at advanced prices. Our stock is True American grown seed. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 55c.; lb., \$1.15.

Onion Set Prices. Prices are based at the present market rates and are SUBJECT TO MARKET CHANGE, according to the market, WITHOUT NOTICE. The market fluctuates very much, hence we do not care to make a fixed price. Lowest market prices on large or small quantities will be given on application at any time. WE HANDLE SETS IN LARGE QUANTITIES. At bushel, peck and half-peck prices the buyer pays the Express or Freight charges; at pint and quart prices we pay the postage.

Okra or Gumbo. One of the most wholesome of vegetables of the South. The pods, when young, make a fine soup of themselves, or with other ingredients; and when pickled are a fine salad. Plant seed after the ground is warm, thickly, in drills 3 feet apart, thinning to 1 foot apart. Make early and late sowings to secure a supply throughout the season. No trouble to grow in any good garden soil.

WHITE VELVET—Distinct in appearance; pods are not ridged, but perfectly round, smooth, and attractive white velvety appearance; of superior flavor and tenderness. Plant dwarf, of compact, branching growth, and the extra large pods are produced in great abundance. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

PERKINS' MAMMOTH—Plant dwarf and very productive. Produces beautiful, long, slender, deep green pods, which remain tender a long time. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

Peppers

German—Pfeffer. French—Piment.
Spanish—Pimiento.

Peppers should be started in a hot bed or cold frame and transplanted about the close of May in a sunny location, in rows about two feet apart each way. May also be sown in the open ground when all danger of frost has passed, and the weather has become settled and the soil warm, and transplanted as above, when the plants are three or four inches high. Some very rich fertilizer stirred into the soil when the plants are about six inches high will be found very beneficial to the crop. One ounce of seed for 1,000 plants.

Mammoth Ruby King.

The Mammoth Ruby King is of immense size and the mildest of all varieties. Ordinarily they grow four to six inches long by three or four inches thick. When ripe they are of a beautiful, bright, ruby-red color, and are always remarkably mild or pleasant to taste. They can even be sliced and eaten with salt and vinegar (like tomatoes or cucumbers), and are very pleasant and appetizing. The plant is of sturdy, bushy habit, and each plant produces from six to twelve handsome fruits. They should not be grown near hot varieties or they will partake of their fiery nature. Choice Seed—Pkts., 5c. and 10c. each; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.25.

Mammoth Ruby King.

Orange Mammoth Sweet—A very large yellow sort of fine shape, mild and excellent for mangoes. Pkt., 10c.; $\frac{1}{2}$ -oz., 20c.; oz., 35c.; $\frac{1}{4}$ -lb., \$1.00.

Proccopp's Giant.

Kaleidoscope.

A novel and beautiful pepper. When fully grown they commence to change color, first to a lovely canary-yellow, then to a deep orange, then to a rose or pink, and so on through different shades until they are an intense scarlet; a plant bearing hundreds of peppers, showing 6 or 8 distinct colors, is an object of great beauty. Its flavor is clear and sharp. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

Kaleidoscope Pepper.

CELESTIAL—A most useful pepper and makes one of the most beautiful plants. The pods are upright, conical in shape, and of a delicate creamy-yellow, and when fully grown change to vivid scarlet. Peppers two to three inches long, sharp flavor and very superior. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

LOCAL GEM BOUQUET—Its beautiful little pods of shining red are so thickly set as to give it the appearance of a bouquet of corals. A splendid sort for making pepper sauce, and makes a ready selling plant when grown in pots. Pkt., 5c.; $\frac{1}{2}$ -oz., 20c.; oz., 35c.; $\frac{1}{4}$ -lb., \$1.00.

New Chinese Giant Pepper

Exceptionally fine, bright red variety.
SEE NOVELTY PAGES.

Improved Thick Long Red This variety is a very great improvement on the same length, but is much thicker, and has two or three times as much meat, averaging about one inch in diameter at the stem end. It is grown by the Columbus gardeners exclusively. Exceedingly prolific, very hot, and handsome. Pkt., 10c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

Red Cluster—Its distinct and brilliant scarlet fruit is curiously crowded together in bunches or clusters at the top of each branch. A single plant bears hundreds of handsome hot peppers. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.

New Fancy Wrinkled—Excites admiration on account of their distinct and peculiar form and various colored fruits—deep orange, vivid scarlet, lemon yellow; a profuse bearer, flavor sharp. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.

SMALL CAYENNE—Very hot; used more than any other for making pepper sauce. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

LONG RED CAYENNE—Four inches long and an inch or more in diameter; flesh thick and hot. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.25.

Red Chili—For making pepper sauce; "hot as fire" small and prolific. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

Cherry Red—Fruit small, round, rich scarlet, very hot. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

Large Sweet Mountain—Very large; excellent for mangoes. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 55c.; lb., \$1.75.

Large Bell or Bull Nose—An early variety of mild flavor; round thick and fleshy; one of the best for mangoes. Pkt., 5c.; $\frac{1}{2}$ -oz., 10c.; oz., 20c.; $\frac{1}{4}$ -lb., 55c.; lb., \$1.75.

Sweet Spanish—Large and early; flesh sweet and mild; used for mangoes. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.50.

GIANT YELLOW KING MANGO—New Golden Pepper. An exact counterpart, except in color, of the famous Ruby King Pepper. The beautiful healthy plants bear large, handsome fruits of a most attractive bright yellow. The flavor is exquisitely mild and pleasant. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.75.

Cardinal

A new pepper with long, curved tapering pods, about two inches thick at the stem end; very sweet and tender, and exceedingly handsome. Nothing excels it in depth, purity and brilliancy of color. It is worthy of cultivation for its beauty alone. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.; lb., \$2.75.

PROCCOPP'S GIANT—This new variety is the "Goliath" of the pepper family. They grow uniformly to a very large size, of brilliant scarlet color; flavor just hot enough to be pleasant. Pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.; $\frac{1}{4}$ -lb., 75c.

Golden Queen, Golden Dawn and Squash or Tomato Shape, each, pkt., 5c.; $\frac{1}{2}$ -oz., 15c.; oz., 25c.

Mixed Mango Peppers

A mixture containing a large number of varieties suitable for stuffing. Pkt., 10c. each; 3 packets for 25c.

"Red Hot" Mixture

Includes a great number of small and ornamental sorts, which are as "hot as fire." Packet, 10c.; 3 packets for 25c.

Cardinal Pepper.

PEAS.

German—*Ebbe*. French—*Pois*.
Spanish—*Guisante*.

Peas mature early in a light, rich soil. For a general crop, a rich, deep loam, or inclining to clay, would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure, and for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows 1 inch apart and 3 to 5 inches deep, the depth depending on the time of sowing, nature of soil, as well as variety. Rows should be from 2½ to 3½ feet apart, according to variety, soil and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 to 8 inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing early varieties as early as the ground can be worked in the spring, and continue, for a succession, every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. It is best to make late planting on sandy soil as there is some danger of mildew at this season when planted on heavy land. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the smooth banded sorts, and if planted early should have dry soil and not planted deep or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. One quart sows 80 feet drill; two or three bushels to the acre.

Livingston's First In Market Peas.

Livingston's First In Market Peas.

When introducing this variety we chose its name because it was an appropriate one for this THE EARLIEST of all very early peas. It means FIRST PEAS IN MARKET and FIRST MONEY to every one who grows from this stock for market purposes, and the farmer who plants it is sure of the first mess of green peas in his neighborhood. It is VERY PROFITABLE for the GARDNER and SHIPPER because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from time of planting, and that at one picking. No brush or other support is required, as they seldom, under any circumstances, grow to exceed 20 inches in height. The pods are handsome, straight, and full of medium sized round peas of first-rate quality, and it is immensely productive for so early a variety. We have been carefully testing the various "strains" and "brands" of real early peas for years, until we are convinced, as well as our customers who have given them a trial, that FIRST IN MARKET leads all. Pkt., 10c.; pint, 25c.; qt., 50c.; ½ pk., 75c.; pk., \$1.40; bus., \$5.25.

PACKETS OF PEAS OR BEANS ARE HEAVY

and the PACKETS put up by some seedsmen TO SELL AT FIVE CENTS, postpaid, CONTAIN TO SMALL A QUANTITY FOR ANY FAMILY. WE THEREFORE PUT UP LIBERAL SIZED PACKETS AT TEN CENTS, postpaid. We prefer to please our customers rather than disappoint them.

WE PAY THE POSTAGE

at prices quoted on Quarts, Pints and Packets. If to go by Express or Freight, at buyer's expense, 10c from quart, or 8c. from pint prices may be deducted. Larger quantities, the prices do not include Freight or Express charges.

PROSPERITY (Gradus) PEA. See Novelty Pages.

Nott's Excelsior Peas

Gregory's Surprise Extra Early Wrinkled.

Gardeners have long wanted a Wrinkled Pea which would come into market as soon as the extra early smooth kinds, and the "New Surprise" supplies this want. It is a heavy cropper, and has that peculiar sweetness which belongs to the wrinkled sorts. Has the bardness of the smooth pea, and the quality of the wrinkled. Vines 24 inches high and need no brushing if sown thin. Pods well filled, containing 6 or 7 peas. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.70; bus., \$6.00.

✓ **WM. HURST**—A hardy, prolific, very early dwarf wrinkled pea. Height 8 to 12 inches. Pods contain 6 to 8 large peas of good quality. Pkt., 10c.; pint, 30c.; qt., 50c.

✓ **PREMIUM GEM**—Very fine EXTRA EARLY dwarf pea of Little Gem type, on which it is a decided improvement; larger pods and more productive. Profitable wrinkled pea for market gardeners, and for family use there is none better. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.75; bus., \$6.25.

✓ **MCCLEAN'S LITTLE GEM**—Dwarf green wrinkled variety, 12 to 14 inches high; prolific; VERY SUPERIOR FLAVOR. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.75; bus., \$6.25.

✓ **DWARF TOM THUMB**—Dwarf, about nine inches tall; matures about the time of American Wonder. Can be planted very close. Pkt., 10c.; pint, 25c.; qt., 50c.; ½ pk., 75c.; pk., \$1.45; bus., \$5.50.

✓ **Nott's Excelsior.** This fine new extra early dwarf wrinkled pea is rapidly becoming popular. The foliage is dark green and rather heavy, suggesting health and vigor. The pods are one-third larger than American Wonder, and are all ready to pick at once; a great yielder. The peas seem to be pressed into pods by force, and are often more square than round. (See Cut.) Several days earlier than the Gems, and in quality unsurpassed. Pkt., 10c.; pint, 30c.; qt., 60c.; ½ pk., \$1.00; pk., \$1.85; bus., \$7.25.

✓ **Alaska** This beautiful blue pea has become a standard Extra Early, market variety, and is the earliest of all blue peas; 30 inches high, very uniform in maturing the crop, of excellent quality, and retains its desirable color after cooking. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.25; bus., \$4.00.

Prolific Early Market Pea

First offered by us in 1901.

A GRAND NEW EXTRA EARLY PEA.

Largest Podded of all Extra Earlys.

Longer Podded and More Prolific than Livingston's First in the Market Pea, for which it is a fit companion and close second, as it comes only four or five days later.

None of the numerous Extra Earlys compares with the Prolific Early Market in length of pod, number of peas in a pod and number of pods to the vine. It was developed in the hands of one of our expert pea growers, Mr. Keeney, who says of it: "Many of the plants contain forty to fifty fully developed peas as a result of one seed sown. The average yield per acre in field culture is sometimes 50 per cent greater than with any other strain of Extra Earlys. A valuable sort for home and market garden, and equally good for canner and shipper. Large pkt., 10c.; ½-pt., 15c.; pt., 30c.; qt., 50c.; ½-pk., 90c.; pk., \$1.65; bus., \$6.00.

Pods of Prolific Early Market Pea.

The Monster Pods of Telephone Peas.

American Wonder A leading dwarf wrinkled pea in point of earliness, productiveness, flavor and quality. Dwarf and robust habit, growing about 10 inches high, and produces a profusion of good-sized pods fairly packed with the finest flavored peas. Pkt., 10c.; pint, 30c.; qt., 60c.; ½-pk., \$1.00; pk., \$1.85; bus., \$7.00.

Carter's Daisy A new second early dwarf pea with immense pods and peas. A magnificent sort. The self-supporting stout plants are fairly loaded with large bright green pods, which are always well filled. Each pod contains 7 to 9 large peas, of a bright green color, tender and well flavored. The even growth and handsome appearance excites the admiration of all. Pkt., 10c.; pint, 30c.; qt., 60c.; pk., \$1.75; bus., \$6.75.

McLean's Advancer One of the very best second early sorts. Seeds green, wrinkled; 2½ feet high; long pods, abundantly produced and well filled with peas of exquisite flavor. Pkt., 10c.; pint, 20c.; qt., 40c.; pk., \$1.15; bus., \$4.25.

IMPROVED STRATAGEM—Vine half-dwarf, vigorous branching habit; an immense cropper; seed green, wrinkled; pods long, filled with 7 to 9 extra large peas of finest quality; season medium late. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.50; bus., \$5.50.

DUKE OF ALBANY—One of the very largest and best peas grown. The pods are handsome, large, well filled, and borne in great profusion. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.50; bus., \$5.50.

JUNO The Juno is one of the best main crop wrinkled peas. It has a stout, robust vine, and straight, heavy, square pods, usually borne in pairs. Pods very thick, broad backed, filled from the stem to the tip with 7 to 9 sweet, delicious dark green peas of immense size; height 2 feet; season medium early. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.50; bus., \$5.50.

Horsford's Market Garden A fine second early for family garden. Most prolific bearer; pods medium size, numerous, and well filled with peas of finest quality. A green wrinkled variety which is fast coming into general favor. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

ABUNDANCE—One of the very best and most satisfactory second early peas. It grows 15 to 18 inches high; pods large, containing 6 to 8 wrinkled peas of excellent quality. Sow seed thin, as it has a remarkable tendency to branch. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

Shropshire Hero A second early, large wrinkled pea; robust grower, 2 to 3 feet in height, producing its large well filled pods in abundance; pods average 7 to 10 fine large peas of exquisite flavor. Pkt., 10c.; ½-pint, 15c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

ELISS' EVERBEARING—A medium early variety, which remains a long time in bearing. Vine stout, about 18 inches high, bearing at the top 6 to 10 broad pods. Peas large, cook quickly, tender, and are of superior flavor. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.20; bus., \$4.25.

PRIDE OF THE MARKET—Has a stiff vine of medium height, bearing a crop of large dark green pods well filled with large peas of good flavor; season medium. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.75.

THE ADMIRAL—A medium early pea of high quality; productive. Pods bright green, 2½ inches long, and contain 6 to 9 large peas. Pkt., 10c.; pint, 25c.; qt., 45c.

TELEPHONE No pea today, of its class, is more meritorious or deservedly popular than the Telephone. Seed green wrinkled; height 3½ feet; productive; pods unusually large, elegant shape, slightly curved, and well filled with peas of large size, excellent quality and very sweet. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.50; bus., \$5.50.

Heroine

Is a medium early green wrinkled pea, grows uniformly 2 to 2½ feet high, and bears a profusion of extra large, long, slightly pointed pods, containing 9 to 10 large peas of fine quality. Destined to become a great favorite for market purposes. An immense cropper. Pkt., 10c.; ½-pt., 15c.; pt., 25c.; qt., 45c.; ½-peck, 65c.; peck, \$1.25; bus., \$4.75.

YORKSHIRE HERO—A very fine, large, dwarf, wrinkled variety, of extra fine quality and very productive. Vines 2½ feet high, bearing numbers of large well filled pods. Pkt., 10c.; pint, 25c.; qt., 45c.; peck, \$1.20; bus., \$4.50.

Champion of England.

One of the best. Delicious flavor; PROFUSE BEARER of large pods well filled with large green wrinkled peas; 4 feet. Pkt., 10c.; pint, 20c.; pt., 40c.; pk., \$1.10; bus., \$4.00.

White Marrowfat—Grows 4 to 5 feet high and very strong. Pods large, round, light green and well filled. Excellent for summer crop, but of inferior quality. Gardeners, however, often find a ready market for them, other varieties having been harvested. Pkt., 5c.; pt., 20c.; qt., 30c.; peck, 85c.; bus., \$3.00.

Black-Eyed Marrowfat—Similar to White Marrowfat, but the seed has a dark eye. Pkt., 5c.; pt., 20c.; qt., 30c.; peck, 85c.; bus., \$3.00.

Sugar or Edible

Podded Peas

All edible podded varieties are used either shelled or cooked in the pods like string beans, and when young, are very tender and sweet.

Livingston's

Prolific Giant

Livingston's Giant Podded Sugar Pea.

Podded Sugar Pea.

Excels all other Sugar Peas in size, productiveness and quality. Vines average about 30 inches in height and remain a long time in bearing. The pods are gigantic in size, broad sweet and tender, extremely fleshy, and equal to the best snap beans for cooking pods and all. A decided improvement over other Sugar Peas, especially in quality. Pkt., 10c.; pt., 30c.; qt., 60c.; ½-peck, \$1.25; peck, \$2.40; bus., \$8.50.

Mrs. L. White, Litchfield Co., Conn.—"The First in Market Peas from you last spring proved to be the first into bearing here. They were earlier and yielded better than any other."

MELTING SUGAR—This variety grows to the height of five feet; bears a profusion of very large, broad, handsome, light green (nearly white) pods which are so brittle that they snap without any strings. Sweet; tender and of excellent flavor. Pkt., 10c.; pt., 25c.; qt., 50c.; peck, \$1.75; bus., \$6.50.

FROM MICHIGAN EXPERIMENT STATION REPORT.

"Giant Podded Prolific Sugar Peas sent out by Livingston is an exceedingly strong grower and very productive. The pods are long, broad, irregular in shape, and filled with peas of high quality. The blossoms are of a pink color and make it quite attractive. It promises to be of value as a late variety."

FIELD AND COW PEAS

SEE FARM SEED DEPARTMENT.

Rhubarb or Pie Plant

German—Rhubarber.

French—Rhubarbe.

Spanish—Ruibarro Bastardo.

A deep, rich soil is best for Rhubarb. Sow early in drills, eighteen inches apart and one inch deep; the spring following, transplant, allowing each plant at least two feet square; each fall mulch with manure. ONE OUNCE MAKES 600 PLANTS.

VICTORIA—Pkt., 5c.; oz., 15c.; ½-lb., 40c.; lb., \$1.25.

LINNAEUS—Pkt., 5c.; oz., 15c.; ½-lb., 40c.; lb., \$1.25c.

Rhubarb Roots

We offer strong seedlings. They are much more easily handled and transplanted than old clumps. Transportation charges are less than on clumps, and taken all in all are more satisfactory. By Mail, postpaid, each, 20c.; 2 for 30c.; 4 for 50c. By Express, not paid, each, 10c.; doz., 85c.; 50 for \$2.75; 100 for \$4.50; 1000 for \$35.00

PUMPKINS

German—*Kurbis*.French—*Courge*.Spanish—*Calabaza*.

Pumpkins are not so particular in regard to soil as Melons or Cucumbers, but in other respects are cultivated in a similar manner. They are generally raised in fields of corn or potatoes, and may be planted with success in fields by themselves, in May or early June, in hills 3 feet apart each way. One ounce for 15 hills; one pound for an acre.

Livingston's Thanksgiving A strain of Cheese Pumpkin, with flesh fully twice as thick. Flesh orange color, fine grained, sweet, and has the delicious pumpkin flavor essential to the making of a first-class pumpkin pie. Pkt., 10c.; 3 pkts., 25c.

TENNESSEE SWEET POTATO—Pear-shaped; medium size; flesh and skin creamy white; fine grained; sweet and delicious. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ -lb., 35c.; lb., \$1.00.

LARGE SWEET CHEESE—Fine for pies; productive; flesh yellow; sweet; good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 65c.

LARGE SWEET OR PIE—Not so flat as Cheese; large, very heavy, thick meat and sweet. Skin dark orange, sometimes mottled with green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 65c.

BLACK SUGAR (Negro or Nantucket Pie)—Oblong in shape; skin very dark green, almost black; flesh orange color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c.

JAPANESE PIE—Crooked necked; small seed cavity; nearly all solid meat; quality extra fine. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples. Excellent for pies or sauce. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ -lb., 50c.

GENUINE MAMMOTH, or TRUE POMRON—King of Mammoths, Jumbo, etc.—Form like an immense Nutmeg Melon with depressed ends, slightly ribbed, and sometimes grows to three feet or more in diameter and weighs over 100 pounds. Salmon color; flesh bright yellow; good quality. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ -lb., 45c.; lb., \$1.50.

MAMMOTH TOURS—Immense size, often weighs 100 pounds; oblong; skin green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 80c.

SMALL SUGAR—Very prolific; eight inches in diameter; deep orange-yellow, fine grained, very sweet; keeps well. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ -lb., 25c.

LARGE COMMON YELLOW FIELD (Yankee Cow Pumpkin, Connecticut Field)—Immensely productive; very hardy. It is canned in large quantities. Good for making pies. The great stock feeding variety. Our seed stock is grown in large fields (*see cut*), hence strong, plump and vigorous. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 15c.; lb., 10c.; 5 lbs., \$1.75, postpaid.

Zimperf Parsnip.

Parsnip

German—*Pastinake*.French—*Panais*.Spanish—*Pastinaca*.

Sow as early in the spring as the weather will admit, in drills fifteen inches apart and half an inch deep, in rich, well manured ground, well dug. Cultivate similar to Carrots, and thin to 6 inches apart in the rows. The roots improve by being left in the ground, until spring, securing enough for pits or the cellar for winter use. One ounce of seed to 200 feet of drill, 5 or 6 pounds for an acre.

Large Sugar or Hollow Crown.

(Improved Guernsey) — Roots intermediate length, white, smooth, sugary; excellent flavor; easily harvested. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 50c.

Long White Dutch.

Roots very long and smooth. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 50c.

Zimperf's Long White.

The handsomest long white sweet Parsnip on the market. It is very smooth and attractive. The result of many years of selection by one of our most careful and successful market gardeners. On account of beautiful shape is adapted to bunching for market. Pkt., 5c.; $\frac{1}{4}$ -oz., 10c.; oz., 15c.; $\frac{1}{4}$ -lb., 35c.; lb., \$1.25.

Common Yellow Field Pumpkins, Forty Acre Field.

Parsley.

German—*Petersilie*.
French—*Persil*.Spanish—*Perejil*.

Parsley is used for seasoning soups, meats, etc., for salads and garnishings, also for ornamental border for the flower garden; succeeds best in a rich, mellow soil. As seeds germinate very slowly; three or four weeks sometimes elapse before it makes its appearance; it should be sown early in the spring in rows 1 foot apart, sown thick and cover half an inch deep; finally thin to 5 or 6 inches apart or transplant and cut back frequently. For winter use protect in a frame or light cellar, or put up a few plants and grow in the window.

One ounce for 150 feet of drill.

Livingston's Exquisite

For more complete description see Novelty pages. A new dwarf-growing variety with beautifully and closely curled leaves. Its attractive dark green color is all that could be desired. Pkt., 5c.; $\frac{1}{4}$ -oz., 10c.; oz., 15c.

Fine Double Curled—A fine dwarf variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 55c.

Champion Moss Curled—Beautifully and densely crimped and curled; compact grower. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c.

Plain—Leaves plain, not curled; extremely hardy. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 40c.

Hamburg, or Turnip-Rooted—Roots used for flavoring soups. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 55c.

GOLDEN SURPRISE FIELD CORN.

Best Cattle Corn ever originated.

Largest weight of grain to smallest cob. Frequently 56 pounds of grain can be taken from 6 pounds of cobs.

Fine Double Curled Parsley.

Radish.

half an inch deep. Sow every two weeks, from March to September, for a succession. They must grow rapidly to be crisp, mild and tender. One ounce for 100 feet of drill; 8 to 10 lbs. for an acre.

Cincinnati Market Radish

See page 35 where we have printed the Cincinnati Market in its natural color. This superb radish was produced in the vicinity of Cincinnati, Ohio, by the "Glass Gardeners" there, and has been used by them for more than 30 years. We introduced it to our trade in the spring of 1903, and it at once became so deservedly popular that we have had to grow it ever since by the thousands of pounds to supply the demand. The tops are so small that the radishes may stand touching each other in the rows. One grower says that he never thins this variety like he would other kinds, which "run to seed" if left standing too thickly. They grow straight and smooth, 6 to 7 inches in length. Their attractive scarlet-colored skin is very thin, the flesh crisp, brittle and of delightful flavor. The finest long red in existence for forcing, and outsells all others in any market. Being long-standing it is one of the very best for the home garden. We offer an exceedingly fine crop of seed of this sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c. By Express, not paid, 5 lbs., \$2.50.

MRS. GARRIE MILLER, Wyandot Co., Ohio, writes: "We are very much pleased with the seeds we got of you, especially the Cincinnati Market Radish. We never got finer radishes."

Long White Icicle

The roots of this new variety grow about 4 inches long, are slightly stump-rooted and of transparent whiteness, with short leaves, and makes its growth very quickly. It is of most excellent flavor, and equally desirable for home and market gardeners use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Rose Gem

One of the earliest; perfectly globular; rich deep scarlet at top, blending into pure white at the bottom; exceedingly tender and crisp; delicious; desirable for market or home garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c. By Express, not paid, 5 lbs., \$2.00.

SCARLET TURNIP, White Tip—Handsome bright scarlet, white tip; its fine appearance makes it attractive; quality always pleasant. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

GOLDEN GLOBE—Perfect globe shape; golden colored skin; quick growing; tender, brittle; long standing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

LARGE WHITE SUMMER TURNIP—The market gardener's favorite. Round and smooth; very white; crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 70c.

EARLIEST CARLINE OLIVE-SHAPED—A very early forcing radish. Succeeds in the open ground also, and takes only 20 to 22 days to form. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

NON PLUS ULTRA (Deep Scarlet Forcing Turnip)—The earliest forcing radish in cultivation; roots small, round, deep rich scarlet; crisp, tender, white flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Snowball.

One of the quickest growing, besides one of the prettiest; white as snow, smooth as glass, and very crisp. Has only a few short leaves (see cut). Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c. By Express, not paid, 5 lbs., \$3.00.

The Snowball Radish.

German, Rettig. French, Radis. Spanish, Rabano.

All varieties thrive best in light, sandy loam. For early use sow in hot bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about March to September, for a succession. They must grow rapidly to be crisp, mild and tender. One ounce for 100 feet of drill; 8 to 10 lbs. for an acre.

See page 35 where we have printed the Cincinnati Market in its natural color. This superb radish was produced in the vicinity of Cincinnati, Ohio, by the "Glass Gardeners" there, and has been used by them for more than 30 years. We introduced it to our trade in the spring of 1903, and it at once became so deservedly popular that we have had to grow it ever since by the thousands of pounds to supply the demand. The tops are so small that the radishes may stand touching each other in the rows. One grower says that he never thins this variety like he would other kinds, which "run to seed" if left standing too thickly. They grow straight and smooth, 6 to 7 inches in length. Their attractive scarlet-colored skin is very thin, the flesh crisp, brittle and of delightful flavor. The finest long red in existence for forcing, and outsells all others in any market. Being long-standing it is one of the very best for the home garden. We offer an exceedingly fine crop of seed of this sort. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c. By Express, not paid, 5 lbs., \$2.50.

MRS. GARRIE MILLER, Wyandot Co., Ohio, writes: "We are very much pleased with the seeds we got of you, especially the Cincinnati Market Radish. We never got finer radishes."

Early Scarlet Globe.

One of the earliest and best for forcing; color a very handsome shade of scarlet; mild flavor, crisp and juicy; stands a great amount of heat without becoming pithy; good first early variety for kitchen garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 35c; lb., 70c.

NEW LEAFLESS—Extra early; remarkable for the small size of its leaves; roots grow quickly in advance of the leaves, hence called "Leafless." Beautiful bright red; crisp, tender and excellent. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

WOOD'S EARLY FRAME—Ten days earlier than the Long Scarlet, which it resembles; excellent for forcing and for first sowing outside, being very hardy. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c. By Express, not paid, 5 lbs., \$2.00.

EARLY SCARLET TURNIP—Very early; small, round; color rich scarlet top and bottom. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

BRIGHTEST LONG SCARLET Cardinal White Tipped—Resembles Early Long Scarlet in shape and size. Extra early; bright scarlet; white tips; a rapid seller. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 60c.

EARLY WHITE TURNIP—White; small top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

EARLY FIRE BALL—Pretty little fire-red round radish; small tap-root; small top; used for early forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

WINTER VARIETIES.

Sown in summer and used in the fall, or put away same as turnips for winter use.

Scarlet Ball (Famir)—A very welcome winter radish; also a small late summer variety. Its handsome globe shape, with its beautiful color, gives it a very ornamental appearance. Flesh white, firm, and of agreeable flavor. It is a good keeper. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25.

CHINESE ROSE—Scarlet China—Bright rose-colored winter variety of excellent quality; certainly one of the best. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 55c.

White Chinese New Celestial—Large stump-rooted radish with white skin and flesh. Can be sown from July 1st to August 15th, and will keep in prime condition, mild in flavor, brittle, and never woody. Market gardeners will find this a splendid seller. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

CALIFORNIA MAMMOTH WHITE—Grown extensively in California; 8 to 12 inches long and 2 to 3 inches in diameter; white, solid and of good quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

LONG BLACK SPANISH—Grows 6 to 8 inches long, 1 to 1½ inches through at top; skin black; flesh white and firm. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c. By Express, not paid, 3 lbs., \$1.00.

ROUND BLACK SPANISH—Like the above except in shape. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

OTHER NEW RADISHES, SEE NOVELTY PAGES.

Special Prices quoted on Larger Quantities of Radish Seed.

J. A. Garver, Beaver Co., Pa., writes: "The seeds from you last year did fine. I planted one-half pound of onion seed and raised forty bushels. Your Pearl Radish is the best I ever saw, and they sell when others are a drag on the market."

Livingston's Pearl

This new variety might be called half-stump rooted. It is a pearl-white, with waxy appearance; very firm and solid; remains in eatable condition fully two weeks before showing signs of going to seed or becoming woody. If properly grown in greenhouse or hot-bed they have a smaller top than when grown in the open field. All things considered, we pronounce it absolutely the very best general purpose White Market Radish in existence. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 80c.

Half-Long Deep Scarlet

A very hardy and desirable radish. The color is a very deep, rich red. The shape is half-long and tapering. Flesh pure white, crisp, tender and juicy, not becoming pithy until overgrown. A favorite where known. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 55c. By Express, not paid, 5 lbs., \$2.00.

Early Long Scarlet Short Top An admirable sort for forcing; also the leading outdoor quick-growing variety, both for private and market gardens the country over; average length 6 to 8 inches; grows half out of the ground, straight, uniform, bright scarlet in color, brittle and crisp; small tops. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 50c. By Express, not paid, 5 lbs., \$1.75.

The Chartier Radish.

Chartier Scarlet, White Tip—A distinct, exceedingly handsome and attractive sort; color of the top is scarlet rose, shading into pure waxy-white at the tip. Attains very large size before it becomes unfit for the table; undoubtedly the best all seasons radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top; keeps crisp and tender for two months. Planted late makes a good winter keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 55c. By Express, not paid, 5 lbs., \$2.00.

CHARTIER LONG WHITE (Nonpareil)—Derived from the preceding, and in all respects similar, only that the color is pure white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 80c.

Livingston's Pearl Radish.

White Lady Finger

Long White Vienna—Beautiful shape; skin and flesh pure white; crisp; a rapid grower, and long standing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 55c. By Express, not paid, 5 lbs., \$2.00.

GOLDEN DRESDEN—For family and for market garden, one of the most valuable radishes. Top very scant, admits of closest planting. Perfectly round, smooth, and very attractive, remarkably perfect, early and uniform. Skin light golden-brown; flesh crisp, white, juicy and of finest flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c. By Express, not paid, 3 lbs., \$1.50.

WHITE STRASBURG—Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender, and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for summer use, as it withstands severe heat and grows very quickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c. By Express, not paid, 3 lbs., \$1.50.

PHILADELPHIA WHITE BOX—Has short top, rapid growth, perfect turnip shape, extra fine quality, long standing, remaining solid and juicy. Especially fitted for growing under glass in frames. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c.

FRENCH BREAKFAST—Of quick growth; very mild and tender. Oval form, scarlet, tipped with white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 70c. By Express, not paid, 5 lbs., \$2.00.

GRAY SUMMER TURNIP—A heat resister; good for summer crop. Very crisp. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 55c.

WHITE OLIVE-SHAPED—Very handsome, regular, olive-shaped, pure white; crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 25c.; lb., 75c.

GIANT WHITE STUTTGART—A favorite German radish; of large size; in shape like a top; flesh and skin white; fine quality; firm and brittle; never pithy; can be stored for winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ -lb., 20c.; lb., 60c.

Livingston's All Seasons Mixture.

Our mixture, of about two dozen kinds, contains all shades and shapes—red, white, pink and variegated; round, half-long and long, in great variety. (See cut below.) It is all-the-go for small gardens where space is limited, and you want to make garden and be done with it. One sowing does for the whole season, as they come early, medium and late. You always have SOME that are just right—sweet, juicy, delicious, crisp. You will be surprised and delighted with our popular radish mixture. Large packet, 10c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ -lb., 35c.; lb., \$1.00.

Produced from Livingston's All-Seasons Mixture Radish Seed.

Squash.

Squashes should not be planted until danger from frost is past, but get in the winter kinds as soon as safe, in order that they may have time to mature. Plant in hills 5 feet apart for bush varieties, and 6 or 8 feet apart for running varieties, putting 6 to 8 seeds to the hill, finally leaving but 3 plants. One ounce of Bush varieties for 40 hills, or of the large-seeded kinds 15 hills; 2 or 3 pounds of the Bush, and 3 or 4 pounds of the large-seeded kinds are required for an acre.

✓ Gregory's Delicious Squash.

The following is Mr. Gregory's description: "The new Delicious Squash is the result of years of selection and crossing, the Hubbard having been prominently used in its make-up. It is uniformly green when matured, with only an occasional blue specimen. In quality it surpasses all my former introductions, the Hubbard not excepted: is about same size as the Hubbard (from 5 to 10 lbs.). Flesh very thick—more so than almost all others—a dark orange in color. Leads all others in its remarkable combination of fine and compact grain, dryness, sweetness and richness of flavor. Equal to most varieties after they have had the addition of sugar, eggs and milk and baked into a squash pie. It is best as a fall and winter variety, improving with age." Pkt., 10c.; ½-oz., 15c.; oz., 25c.; ¼-lb., 80c.

The Best
For Pies.

Livingston's Pie Squash.

Called by some seedsmen "Pie Pumpkin" and "Winter Luxury Pumpkin."

Whether Squash or Pumpkin, one thing is sure, it is far in advance of any Pumpkin in quality. The color of the skin is similar to that of the golden russet apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. The gratest thing out for pies, and it is a ready seller. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; ¼-lb., 50c.

ESSEX HYBRID—Ripens early: one of the finest grained, richest flavored, most prolific and sweetest of the squash family, and keeps until spring. Flesh very rich orange color. Pkt., 5c.; oz., 15c.; ¼-lb., 35c.; lb., \$1.25.

GIANT GOLDEN SUMMER CROCKNECK—Bright yellow; warty; keeps early and all summer; very desirable for market or private gardens. Pkt., 5c.; oz., 15c.; ¼-lb., 35c.; lb., \$1.15.

NEW WHITE SUMMER CROCKNECK—Beautiful ivory white, warty squash of excellent quality. Pkt., 5c.; oz., 10c.; ¼-lb., 25c.; lb., 75c.

MAMMOTH WHALE—A new squash which often grows three feet long, and sometimes weigh 100 pounds or over. Color, dead blue or slate; very prolific; vines robust; flesh solid and of a beautiful orange color; quality good; keeps well. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.

FAXON—Pkt., 5c.; oz., 10c.; ¼-lb., 30c.; lb., \$1.00.

W. S. Palmer, Summit Co., Ohio.—"I am much pleased with the promptness you gave my small order, also for quality of seeds. Please place my name on your list for catalogue, and will send you my full order another season."

Mr. Gibson and His Year-old Hubbards.

Gregory's Delicious Squash.

WHAT OTHERS SAY OF THE DELICIOUS.

"The best squash I ever ate as late as April. If it had not been brought to table in skin I should certainly insisted on it that it had been sweetened."—F. E. COURTIS, Market Gardener.

"Very fine grained, rich and sweet."—GEORGE E. NICHOLS.

"Finer grained than the old Hubbard, and remarkably sweet."—WM. CASWELL.

"Remarkably sweet, fine grained and rich."—S. T. PEACH.

Livingston's Improved Cushaw The genuine Cushaw of "ye olden times," a great favorite. Very beautiful in appearance, bearing a distinct mottled green and white striped. Very small seed cavity at one end, balance of fruit solid; average about 15 to 25 pounds. Flesh yellow, fine grained, very sweet, and excellent for pies; also good for baking. Are hardy, and bugs seldom eat them. Can be grown among corn, same as pumpkins. Sells well on market. Pkt., 10c.; 3 pkts., 25c.

New Golden Bronze This new squash ought to be a good one, coming, as it does, from the introducer of the famous Hubbard. A cross of the Bay State and Boston Marrow. Form same as Boston Marrow. Averages 8 to 10 lbs. Color, dark grayish green; flesh, bright golden yellow, fine grained, very sweet, delicious flavor. Early in maturing; good keeper. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; ¼-lb., 40c.; lb., \$1.25.

Mammoth Yellow Bush Scallop. GOLDEN CUSTARD. Decidedly the best strain of yellow scallop. Selected for years. It is double size of common sort, and at the same time, lost none of the other good points, such as earliness, quality and productivity. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; ¼-lb., 30c.; lb., \$1.00.

MAMMOTH WHITE BUSH SCALLOP—An excellent large strain, earlier than the common stock, creamy white and double in size; prolific; splendid for market, and the best for shippers. Pkt., 5c.; oz., 10c.; ¼-lb., 30c.; lb., \$1.00.

MAMMOTH CHILI—True stock. Largest of all squashes. Shape oblong, pointed; very productive; profitable for stock. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.

Golden Hubbard Color, bright deep orange; showy and fine grained, cooks very dry, and of excellent flavor. Very productive. Pkt., 5c.; oz., 15c.; ¼-lb., 30c.; lb., \$1.00.

CHICAGO WARTED HUBBARD—Some of its good points are large size, dark green color, distinguished by a dense covering of knots (warts), an indication of high quality; thick fleshed; a good keeper. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; ¼-lb., 40c.; lb., \$1.25.

CANADA WINTER CROCKNECK—Pkt., 5c.; oz., 10c.; ¼-lb., 30c.; lb., \$1.00.

BOSTON MARROW—Pkt., 5c.; oz., 10c.; ¼-lb., 30c.; lb., \$1.00.

TESTIMONIALS.

Anton Houtmacher, Adams Co., Ill., writes—"I have always found your seeds to be good and true to name. I get fine crops from them."

H. M. Morris, Howard Co., Mo., writes—"Your seeds are the best I can find, and always true to name."

C. E. Kearney, Crawford Co., Mo.—"Have used your seeds for the past twelve years, in different states and climates, and they are the best I have ever tried."

FORBROOK—Convenient size for family use. Flesh dry and sweet, and seems incapable of rotting. The thin, hard stem and roots are borer proof. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; used summer or winter. Pkt., 5c.; oz., 15c.; ¼-lb., 45c.; lb., \$1.50.

HUBBARD Generally considered the best Winter Squash grown; flesh dark yellow, fine grained, dry and sweet, (many say "good as sweet potatoes.") Has a very hard shell, is productive, and will keep perfectly until spring. We offer a very carefully grown stock. Pkt., 5c.; oz., 15c.; ¼-lb., 35c.; lb., \$1.25. By Express, not paid, 5 lbs., \$5.00.

MR. GEO. B. GIBSON, Lawrence Co., Pa., April 29, 1903, writes: "I am sending you a picture of myself, also two Hubbard Squashes, the seeds of which were purchased of you in 1901. The picture was taken in July, or just one year from planting. One of the squashes was made into pies in September."

SALSIFY

(VEGETABLE OYSTER.)

When properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious.

In cooking the roots are usually boiled, or they can be mashed and made into fritters. Succeeds well in light, well enriched soil. If it is necessary to use manure, it should be very fine and well rotted. Sow early in drills 18 inches apart, 2 inches deep; finally thin to 4 or 5 inches. Roots are perfectly hardy, and may remain out all winter, in fact they are best after frost has touched them. One ounce for 50 feet of drill.

Mammoth Sandwich Island.

Round Summer Spinach.

ROUND SUMMER—A standard sort with market gardeners for early spring; stands the winter well, but is not quite so hardy as the Tricky; leaves large, thick, fleshy. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 30c.

LONG STANDING—An improved strain; later in going to seed; leaves smooth, very dark, rich green; desirable for market gardeners. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 30c.

SORREL Of easy growth; cultivated for its leaves, which possess a fine flavor when boiled and served like Spinach; also makes a good soup. **BROAD-LEAVED FRENCH**—The best variety. Pkt., 5c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 40c.

TURNIP

Extra Early White Milan Turnip.

EXTRA EARLY WHITE MILAN—Same as above, except it has pure white skin and flesh; of delicious flavor and tempting appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SCARLET KASMYR—Skin of beautiful bright red color, resembling some varieties of radish. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

EARLY FLAT DUTCH OR WHITE STRAP-LEAVED—A standard variety; good size; pure white; small top, with but few leaves; very sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

EARLY WHITE EGG—Egg-shaped early variety; flesh white, firm, fine grained, mild and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PURPLE TOP STRAP-LEAVED—The well known, popular variety, either for family or market use; large size; white, purple above ground; flesh fine grained. Pkt., 5c; oz., 10c, $\frac{1}{4}$ lb., 20c; lb., 50c. By Express, not paid, 5 lbs., \$1.75.

For early crop, sow in latter part of April; for fall and main crop from middle of June until last of August.

One pound is sufficient to sow an acre.

EXTRA EARLY PURPLE TOP MILAN—A new, very white variety, with beautiful purple top; mild and sweet. One of earliest grown. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c. By Express, not paid, 3 lbs., \$1.75.

EXTRA EARLY WHITE MILAN—Same as above, except it has pure white skin and flesh; of delicious flavor and tempting appearance. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SCARLET KASMYR—Skin of beautiful bright red color, resembling some varieties of radish. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

EARLY FLAT DUTCH OR WHITE STRAP-LEAVED—A standard variety; good size; pure white; small top, with but few leaves; very sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

EARLY WHITE EGG—Egg-shaped early variety; flesh white, firm, fine grained, mild and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

PURPLE TOP STRAP-LEAVED—The well known, popular variety, either for family or market use; large size; white, purple above ground; flesh fine grained. Pkt., 5c; oz., 10c, $\frac{1}{4}$ lb., 20c; lb., 50c. By Express, not paid, 5 lbs., \$1.75.

BOND'S WISCONSIN

GOLDEN SALSIFY

WISCONSIN GOLDEN SALSIFY—For quality, delicious flavor, extreme richness and tenderness, this new variety is not excelled by any of the old varieties. Its habits of growth are unlike other varieties; leaves are dark green in color. Finely crimped and curled; roots have a slightly yellowish tinge. Pkt., 5c; oz., 15c; 2 ozs., 25c; $\frac{1}{4}$ lb., 45c; lb., \$1.50.

MAMMOTH SANDWICH ISLAND—Grows uniformly, extra large size, averaging fully double the size and weight of the old white variety. Mild and delicious flavor. The market gardeners favorite. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.15. By Express, not paid, 3 lbs., \$2.75.

If you don't buy another thing of us, you must have Livingston's Famous Tomatoes.

SPINACH.

For winter use sow in September in ground well manured; mulch with straw on approach of severe cold weather. One ounce of seed for 100 feet of drill; 10 pounds for an acre.

CURLED-LEAVED SAVOY (Norfolk, Bloomsdale)—Of upright growth; fine large, tender, curled leaves. Earliest variety, but will not stand long. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 30c.

NEW VICTORIA—Quick to mature; large, exceedingly thick leaves, curled in center. Remains in condition for use a long time. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

PRICKLY SEED—The hardest of all, therefore the best for fall sowing where the winters are severe. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 30c.

IMPROVED THICK LEAF (Viroflay)—Has very large, thick leaves of great substance, fine color and quality. Oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 30c.

Price of Spinach seed, except New Victoria, sent by Express, purchaser paying charges. Lb., 20c; 5 lbs., 80c., 10 lbs., \$1.50.

PRICE ON SPINACH SEED IN LARGER QUANTITIES WILL BE GIVEN ON APPLICATION.

LONG WHITE, or COW HORN—Grows partly above ground; in Carrot-form and slightly crooked; very productive; flesh white, fine grained, sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

PURPLE TOP WHITE GLOBE—A variety of decided merit. Globular shape, very handsome, and of superior quality, either for the table or stock. A heavy producer, and an excellent keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c. By Express, not paid, 5 lbs., \$1.75.

LARGE WHITE GLOBE—Similar to preceding except in color, which is pure white; firm, sweet flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

YELLOW GLOBE, or AMBER—Flesh firm and sweet; grows to a large size; excellent for table use or stock; keeps well until late in the spring. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

GOLDEN BALL, or ORANGE JELLY—Rapid grower; globe-shaped; bright yellow; superior for table or stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Ruta Baga Varieties.

The Ruta Baga varieties should be sown a month earlier than Turnips as they require longer to mature.

IMPROVED AMERICAN (Purple Top)—Very hardy and productive; flesh yellow, sweet and solid; good for stock or table use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 30c.

WHITE RUSSIAN, or LARGE WHITE—Grows very large; excellent for table or stock; flesh firm, white, solid; has a very rich and sweet flavor. Best keeper of any. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 45c.

LONG ISLAND IMPROVED PURPLE TOP—This is undoubtedly the finest strain of Purple Top Ruta Baga, and is about double the size of common stocks. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Improved Purple Top.

Livingston's Famous Tomatoes.

New Varieties, and the Growing of Large Quantities, our Specialty.

NO OTHER ESTABLISHMENT IN THE WORLD MAKES SUCH A SPECIALTY OF TOMATO SEED GROWING AS OURSELVES

In making the above claim we mean **actual growing**. Some who claim to be extensive growers in this line, we find, raise a large portion, if not their entire output, at the back door of some ranning factory, simply washing out seed from the refuse. Such seed may contain a mixture of half a dozen or more varieties.

The Tomato has become indispensable to housekeeping in this and many other countries within the past 25 years, and which, we feel, without boasting, is largely due to the excellent qualities of the varieties bearing our name.

The Fame of the Varieties originating with, and introduced by us, has extended to every Country on the face of the Globe where the Tomato can be Grown.

Our first tomato, the **Paragon**, was introduced in 1870, after working five years to bring it to a high state of perfection. It was the first and only strictly smooth red tomato ever sent out up to that time, and is as good to-day, in our hands as when introduced, showing no signs whatever of degenerating. In 1875 the first perfectly smooth purple tomato, the **Acme**, was introduced by us. Since that time we have introduced

21 of the Best Standard and Most Distinct Varieties

ever brought before the tomato growers of the world. They were introduced in the following order:

PERFECTION	in 1880
GOLDEN QUEEN	in 1882
FAVORITE	in 1883
BEAUTY	in 1886
POTATO LEAF	in 1887
STONE	in 1891
ROYAL RED	in 1892
GOLD BALL	in 1892
BUCKEYE STATE	in 1893
ARISTOCRAT	in 1893
LARGE ROSE PEACH	in 1893
HONOR BRIGHT	in 1897
DWARF YELLOW PRINCE	in 1898
MAGNUS	in 1900
ARISTOBRIGHT	in 1901
ROYAL COLORS	in 1901
DANDY DWARF	in 1901
MULTICOLOR	in 1901
PRINCESS	in 1901
GRANDUS	in 1901
DWARF STONE	in 1902

One of our Plant Setting Machines at Work.

Culture. For very early fruit the seed should be sown in a hot-bed about the first week in March in drill 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing in a window in the house. When the plants are 3 or 4 inches high they should be set 4 or 5 inches apart in another hot-bed or cold-frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants.

Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance, but in quality. This mode of cultivation is quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plants up with wood or wire, strong, soft twine, pruning out quite freely as vines advance in growth. By this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of the fruit in paper sacks, as is commonly practiced by grape growers. Sacks should be put on when the tomatoes are about three-fourths grown.

About 2000 plants from one ounce of seed is a safe estimate.

We not only GROW and SELL large quantities of

Tomato Seeds

BUT OUR

Tomato Plant

TRADE HAS ASSUMED LARGE PROPORTIONS. Our shipments to Cannerns, Market Gardeners and other growers run up into the hundreds of thousands. Many prefer buying of us rather than grow the plants, as OUR PRICES ARE REASONABLE and our method of growing always insures well rooted stock.

See plant list for prices, page 52, but where wanted in large quantities we would rather you write us for prices stating quantity needed.

Ed. Howerth, Perry Co., Ohio:--

"Have used your seeds for the past eight years and they are always 'True Blue.' Your Magnus tomato is the best I ever raised."

One of our Fields of Tomato Plants.

Livingston's Famous Tomatoes.

Packet Prices of the Livingston Varieties—Regular Size, 10c. each, 3 for 25c., one or more kinds.

Smaller Size, 5c. each, 6 for 25c., one or more kinds.

Livingston's New MAGNUS TOMATO

[One of the Finest for Growing to Stakes.]

Introduced by Us in 1900.

This distinct new variety, of the color of Beauty and Acme, is one of our very best additions to the Tomato family. It is fully as early, thicker, heavier and more solid than either of the above, making it easily the most handsome sort in cultivation. It is unsurpassed in quality, and in the production of fine, large fruits. While well adapted to main crop planting, it matures so quickly that it takes first rank for early market.

The form is perfect, uniform, large and attractive. Flesh is very firm. It is a robust grower, with short joints, setting its cluster closer together than most varieties, and is therefore a heavy cropper. The fruits are usually very deep from stem to blossom end, some of them being almost globe shaped. It ripens evenly, does not crack about the stem, and the flavor is most desirable.

We have tested it for several years for staking up in the open field, as well as for forcing in greenhouses, and we believe it to be entirely unequalled for such purposes, and that there is more money in growing it for early market than any known variety, because it has about four clusters of fruit where others have three. The fruit and clusters are larger and it comes in early while the prices are fancy. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50, postpaid.

WHAT OTHERS THINK.

Mrs. M. Morgan, Upshur Co., W. Va., writes:—"Last year we got your Magnus Tomato and were very much pleased with it. One plant tied to a stake had at one time 34 tomatoes, and they all ripened before frost came. We brought some green ones into the house and they ripened and we used them in December. They were nice and good."

J. W. Langley, Hinds Co., Miss., Aug. 21.—"I have the Magnus still fruiting, set out in April. It is wonderfully productive, and a splendid tomato."

LeRoy N. Brown, Erie Co., Ohio.—"If you have never before been entitled to the highest seat, you certainly are now, for your Magnus Tomato is the finest I have ever seen or grown; I doubt whether a better one will ever be produced."

W. C. Bragaw, Marion Co., Fla.—"Your Magnus Tomato has been pronounced by growers here the finest ever seen. I think it will prove a very valuable shipping variety."

Read the following clipping from a newspaper:—"Rev. W. H. Hubbard, Wayne county, Ohio, has a Magnus tomato plant with 62 good sized and well formed fruits on it."

Mr. Ed. Howerth, Perry Co., Ohio, writes:—"Have used your seeds for 8 years. Always 'True Blue.' Magnus Tomato best I ever raised."

Mr. John A. McKee, Columbiana Co., Ohio.—"Your New Magnus is a grand tomato. I had first ripe tomatoes in this market."

Read the following from Cadiz (Ohio) Republican: Mr. A. D. Cavin has had one of the finest gardens in Eastern Ohio this year. His specialty the past season was tomatoes and his record has seldom if ever been equaled in this region. The plants of the variety known as Livingston's Magnus were grown upright, being fastened to stakes about 6 feet high, and were nicely arranged in rows containing 232 plants. The size of the patch was 23 by 115 feet, the value of the crop was \$120, an equivalent to \$1420.43 per acre. The fruit was mostly sold early in the season and was especially fine.

The Magnus Tomato.

Livingston's Early Acme (Introduced by us in 1875.) The Earliest Real Good Tomato, especially for early market use. Well known and generally cultivated, both for early and main crops. Plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends and very smooth (never rough) color a glossy red, with purplish tinge; ripens all over and through at the same time. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Livingston's Potato Leaf (Introduced by us in 1887.) A distinct potato-leaved sort. The fruit is always smooth, medium size, very firm, and of desirable quality. It is second early, ever-bearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the thick, broad leaves. It has a strong vine and resists the wind remarkably well; an excellent variety for growing on trellises or tying up to stakes, and for hot climates, the leaves protecting the fruit from the scorching rays of the sun. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

The picture at the bottom of this page shows the method of growing tomatoes tied up to stakes, as practiced by Mr. Geo. Havens, who lives about 20 miles north of this city. Mr. Havens has been very successful in growing tomatoes in this way for the past 20 years or more, his crop from less than two acres, for several years past, netting him from \$500 to \$700 annually.

Livingston's Famous Tomatoes.

Packet Prices of the Livingston Varieties—Regular Size, 10c. each, 3 for 25c., one or more kinds.

Smaller Size—5c. each, 6 for 25c., one or more kinds.

Livingston's BEAUTY Tomato

THE FINEST, LARGE-FRUITED, EARLY PURPLE VARIETY.
Introduced by us in 1886.

Without doubt the most widely known and popular of all the purple fruited varieties. A decided favorite for home market or shipping, bearing early, hardy, a strong grower, productive, large, always smooth, of perfect shape and excellent quality. Color a very glossy crimson with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size until late in the season. Ripens early and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain. For shipping and early market it cannot be excelled. Can be picked quite green, look well, ripen nicely, and keeps a week. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

WHAT OTHERS THINK OF BEAUTY.

Mr. S. D. Williams, Wetzel Co., W. Va., writes: "Have tried most of your varieties, but think Beauty and Stone can't be beaten. I had the finest tomatoes that came to our city last year."

Mr. H. T. Bidell, Green Co., N. Y., writes: "I have raised and sold more Tomato plants than any one else in this locality in the last twenty years, and they give perfect satisfaction to all my customers. I consider your Tomatoes the best that grow. My first purchase was the introduction of the Beauty, when offered in packets, and I have used it ever since as a favorite. Tested other kinds of yours; find them as represented."

Mr. L. R. Marshall, Lee Co., Fla., writes: "I ordered Tomato seed from other seedsmen the past year, and they did not prove first-class or true to name, hence I want Livingston's Beauty or none."

Livingston's Buckeye State Tomato

THE
LARGEST

(SMOOTH TOMATO IN THE WORLD.
BEARING THE LIVINGSTON NAME.
CLUSTERED OF ANY VARIETY.
TOMATOES IN THE CLUSTERS.)

(Introduced by us in 1893.)

Many "mammoth" sorts have been introduced of late, but on first trial they are rejected on account of their rough and uneven surface, if for nothing else. When, therefore, we state that in addition to its very large size, it is also smooth and uniform, we are sure you will be interested. It is even more prolific and abundant in fruit than most of the standard sorts now in cultivation, hence it is unquestionably the heaviest cropper known. The tomatoes are borne in immense clusters of 4 to 8 extra large fruits. It matures with the Livingston's Stone. In solidity, meatiness and desirable quality none surpass it. Color much the same as Livingston's Beauty, but darker, and this, together with its very large size, make it very showy and striking when displayed for sale. For years we have grown this variety by the ordinary method, as well as on stakes, on our tomato farm near this city, and the tomatoes were the admiration of all visitors. Choice Select Seed—Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

E. D. Stafford, Hartford Co., Conn., writes: "I have never seen anything that compares with Buckeye State. I get 75c. per bushel while others were selling for 35c."

Livingston's Famous Tomatoes.

Packet Prices of the Livingston Varieties—Regular Size, 10c. each, 3 for 25c., one or more kinds.

Smaller Size, 5c. each, 6 for 25c., one or more kinds.

HONOR
BRIGHT
TOMATO.

Livingston's New Honor Bright Tomato

Introduced by Us in 1897.

The Long Keeping Variety. The Long Distance Shipper.
One of Our Best Introductions.

The Distinctive Features of the New Honor Bright Tomato are its solidity, long-keeping qualities after being picked, and the remarkable changes of color the fruit undergoes during growth and ripening. First it is light green, then an attractive waxy-white, then lemon, changing to a rich red. When in the white stage they make beautifully transparent and delicious preserves. On account of its solidity and long-keeping qualities, it is especially recommended for shipping long distances. It can be shipped in barrels, like apples, if picked when in the yellow stage of ripening, and will keep from one to four weeks if stored in a cool place. The clusters bear three to five perfect fruits, and ripens evenly from blossom end to stem. The flesh, when ripe, is tender and melting, not hard, as one might conclude from the solidity of the uncut fruit. Pkt., 10c.; ½-oz., 15c.; oz., 25c.; ¼-lb., 70c.; lb., \$2.50.

B. T. Bowman, Stark Co., Ohio, writes: "I have been buying seeds from you for more than ten years and have the first complaint to make yet. I have been testing your tomatoes one after the other until the present time and find that they are all extra. Honor Bright is an A No. 1 late tomato."

The New Grandus Tomato.

Aristobright A wonderful productive dwarf tomato of medium size; fruit of bright red, very solid and fine flavor. Has all the new and market qualities of the **Honor Bright**, and is from two to three weeks earlier, being among the earliest of our best tomatoes. Pkt., 10c.; ½-oz., 25c.; oz., 40c.; 2 oz., 75c.

Royal Colors The beautiful green and purple fruit combined with the golden foliage of this dwarf variety entitles it to its royal name. The foliage is large, having leaves similar in shape to potato leaves but larger. They protect the fruit from sunburn, also frosts, for a time, in the fall. The plant is very stocky and strong right from the start. Pkt., 10c.; ½-oz., 25c.; oz., 40c.

Dandy Dwarf The same as Royal Colors except in color of ripe fruit, which with Dandy Dwarf is a fine bright red. Pkt., 10c.; ½-oz., 25c.; oz., 40c.

The Multicolor The foliage of this variety is similar to the original "Potato Leaf" introduced by us in 1883, but with **Honor Bright** features. The fruit is exceedingly smooth, glossy red in color, solid, ripening evenly through at one time, and the plant very productive. Pkt., 10c.; ½-oz., 25c.; oz., 40c.

The Princess This variety is similar in every way to The Princess, is fine glossy purple. Pkt., 10c.; ½-oz., 25c.; oz., 40c.

The Grandus Tomato.

A Purple Fruited Honor Bright. This variety will be accepted as a decided favorite with growers and shippers who prefer purple or rose colored fruits to the scarlet or red. Ever since the introduction of **Honor Bright** we have had a great demand for a **Purple Fruited Honor Bright**. The fruit is fully equal to the Beauty, being much the same when ripe, in color and size; very solid and quite free from seeds. Vines are very vigorous and productive, and in all respects equals the best tomatoes. In addition, it has the wonderful keeping qualities of the **Honor Bright**. The fruit colors up without the least signs of green at the stem end. Pkt., 10c.; ½-oz., 25c.; oz., 40c.; 2 oz., 75c.; ¼-lb., \$1.25.

Livingston's Early Perfection (Introduced by us in 1880.) An improved Acme with a red skin, produces large fruit until the close of the season. Invariably smooth and of handsome blood red color. Some canners prefer it to all others, especially those who can the tomatoes whole. It usually ripens ten days ahead of the Stone. Pkt., 10c.; ½-oz., 15c.; oz., 25c.; ¼-lb., 60c.; lb., \$2.25.

Livingston's Paragon (Introduced by us in 1870.) Our first introduction, and we have kept it up to its original standard. Many gardeners, canners and catsup makers will have no other. It is a large sized variety. An immense cropper. Flesh solid, well colored and flavored. Ripens between the early and late varieties, grows vigorous, and no variety holds its size better late in the season. Color of skin glossy deep red. Pkt., 10c.; ½-oz., 15c.; oz., 25c.; ¼-lb., 60c.; lb., \$2.25.

The Noted Agricultural Writer, Mr. Abner Hollingsworth, says in *The Farm Journal*: "There is a great difference in the table qualities of tomatoes, at least we think so at our house. For canning we prefer the **Honor Bright** to anything I have grown before. It yields well, is solid, mild flavored and a splendid looking and keeping fruit. This is my second years' experience with it."

See 2d Page of Cover for Our New Dwarf S'one Tomato

Livingston's Famous Tomatoes.

Packet Prices of the Livingston Varieties—Regular Size, 10c. each, 3 for 25c., one or more kinds.

Smaller Size, 5c. each, 6 for 25c., one or more kinds.

Livingston's Stone.

The Greatest Canning Tomato in the World.

We venture to assert that more of the Livingston's Stone Tomato is annually being used than any other half-dozen varieties taken together.

Introduced by us in 1891. This variety has obtained immense popularity with canners. Southern growers and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red. In shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt. 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

J. A. Medert, Ross Co., O., writes: "Your Stone Tomato seed from last year was the best we ever had."

S. S. Murhead, A. A. Co., Md., writes: "I was very much pleased with my Stone Tomato last season. The seed came from your house."

W. I. Smith, Alcorn Co., Miss., writes: "Your seeds always give satisfaction. I sell thousands of tomato plants every year, and receive many compliments for the excellency of Acme and Stone."

Livingston's Dwarf Aristocrat

Introduced by us in 1893. This fine variety in habit of growth and foliage resembles the Dwarf Champion except in color, the Aristocrat having a beautiful rich, blossy red fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present standard of excellence. It is very desirable for forcing under glass, especially on the side benches, and

for growing outside for early market. May be planted 2 by 3 feet, or even closer, making it also desirable for small gardens, where every foot of ground is to be utilized. Its dark green foliage and glossy red fruit is very attractive. Pkt. 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.25.

Livingston's Favorite

Introduced by us in 1883. The Canners' Favorite and one of the best and largest perfect shaped red tomatoes in cultivation. It ripens evenly and early, holding its size to the end of the season, free from cracks, very prolific, good flavor, few seeds, flesh solid, bears shipping long distances. Has been generally grown for canners' trade throughout the United States. Pkt. 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Livingston's Royal Red

Introduced by us in 1892. This fine variety is worthy of a prominent position alongside of its renowned predecessors already bearing the "Livingston" name. A first-class main crop variety. Fruit of a beautiful red color and handsome appearance. Desirable for canning and catsup making. Pkt. 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Livingston's Large Rose Peach

Introduced by us in 1893. It has all of the general characteristics belonging to this singular and distinct class of tomatoes, but is larger than any Peach variety yet brought out. Is a profuse bearer until killed by frost, and has the agreeable mild flavor, as well as the suffused coloring and the peach-like bloom or furze on its surface. It seldom rots. Pkt. 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

Livingston's Yellow Prince

Introduced by us in 1893. Its rank and sturdy, but compact, growth makes it very interesting to cultivate, and this, together with its beauty and usefulness, will delight every lover of a good garden. It is as early as the Dwarf Champion. The texture is solid and the flavor desirable, in this respect differing from many other sorts, which are mostly deficient in flavor. In large size and beauty of form it compares favorably with Livingston's Golden Queen, which stands easily at the head of all varieties of its class. When sliced with red or purple sorts it is highly ornamental as well as most pleasant to the taste. Cannot fail to become a prime favorite in every private garden, and will also suit most market growers better than existing sorts.

Extra Selected Seed—Pkt. 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.50.

Livingston's Gold Ball

Introduced by us in 1892. It is a beautiful canary yellow variety. Flesh thick and of extra good quality; not so large as Golden Queen; smooth as an apple and of a handsome color; grows in clusters; produces enormous crops. Pkt. 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Livingston's Golden Queen.

Introduced by us in 1892. "Queen of all the Yellows." Its superior flavor has brought into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. The larger and riper fruits are sometimes tinged with red at the blossom end. Beautiful sliced with red sorts. It has very little acid, and the quality is excellent. Fine for preserves. Pkt. 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

6000 lbs. STONE TOMATO SEED.

OTHER VARIETIES OF TOMATOES

For years we have aimed to give all new varieties of Tomatoes offered a thorough test for quality and comparative points on our trial grounds near this city, which are under our personal supervision. Not only that we may keep abreast the times on the Tomato question, but posted on varieties, and in position to offer those deserving of introduction as fast as brought out. Our limited space in this department of our catalogue will not admit of full and extended description of the varieties. The stock we offer below we recommend as good as any offered by our competitors, or the original introducers.

Improved Dwarf Champion Tomato

In the IMPROVED DWARF CHAMPION we have largely eliminated the two principal objections to the original strain; that of small sized and short season of bearing. This variety has been selected and improved for a number of years and we feel safe in stating that its fruit is produced fully one-third larger than the original, on all kinds of soils and it continues bearing desirable sized fruits until frost. The large fruits are produced in clusters of 3 to 5 specimens, the plants are close-jointed each producing a large number of fruits, which are of a beautiful glossy purple color; invariably "as smooth as an apple," firm and solid, with thick flesh and large meaty center, which is devoid of any hard or green core so prevalent in some sorts. Quality the very finest. Bear in mind that all dwarf varieties do their best on well enriched soil. Pkt., 10c; ½ oz., 25c; oz., 45c; ¼ lb., \$1.40; lb., \$4.50.

Ponderosa Fruit ripens early and bears until very late; of immense size, solid, almost seedless, and of good sub-acid flavor. Somewhat scattered on the vine, and a percentage are rather rough. A good tomato for home use. It seems to ripen on the inside first; on this account it should be picked when about three-fourths ripe. Our strain is a great improvement over original, when introduced. Pkt., 5c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.75.

Sparks' Earliana An extremely smooth, bright red tomato of good size and flavor. Developed on the warm, sandy soil of New Jersey, where the greatest competition exists among growers to be first in the market. Seed we offer is grown from selected stock. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.25.

Enormous A "sport" of Livingston's Stone. Size very large; about same as Buckeye State; smooth but apt to crack about the stem end; few seeds and of fair quality when grown on good soil. True Stock—Pkt., 5c; ½ oz., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

Success Resembles our Stone Tomato very much, but of smaller size. It is a good red. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

Quarter Century A dwarf red sort similar to Livingston's Dwarf Aristocrat. A good red fruited tomato. Pkt., 5c; ½ oz., 15c; oz., 25c.

NEW IMPERIAL—A purple sort, thick-meated and solid; claimed to be extra early, but we have not been able to ripen it a day earlier than Beauty, nor do we find it as productive. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

MATCHLESS—A rich cardinal red. Large size; very smooth and productive. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

Optimus Produced in clusters of four or five, uniform marketable size; ripens evenly, free from cracks and blemishes; crimson scarlet color. Resembles the Perfection. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

TROPHY, True—Fruit very large and generally smooth; solid, good flavor, and very productive. Selected seed, as good as it can be grown. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

We can supply the following varieties at the uniform price of—Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00. Early Ruby, Mikado, Turner Hybrid, Burbank Preserving, May Flower, Red Queen, Lorillard, Early Concorder, Hathaway's Excelsior, Canada Victor, Cincinnati Purple, Essex Hybrid, Advance, Ignotum, Fordhook, Early Michigan, Cumberland Red, Liberty Bell, Volunteer, Cardinal, Long Keeper. Also many other varieties and a host of "re-names," or said-to-be new Tomatoes, at customary prices.

ODD TOMATOES.

Strawberry, Winter Cherry or Husk Tomato.

This delicate husk-developed tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unequaled. They keep until mid-winter or longer. Have a strawberry flavor, and are very productive, curious and attractive, and sell first-rate in market.

PURPLE—This beautiful variety produces fruit in great abundance, 1 or 2 inches in diameter. Pkt., 5c; ½ oz., 15c; oz., 25c.

GOLDEN—Fruit a handsome golden color, the size of large cherries. Pkt., 5c; oz., 25c; ¼ lb., 80c.

Purple Peach Resembles some varieties of peaches so closely in size, shape and general appearance that it is frequently taken for a real peach. It seems to have the real bloom, or furze, of the peach upon its surface. Color, purple, blended with orange-amber; productive, comes early, lasts until frost, and never rots. Delicate flavor. Skin thin and peels off like that of a peach; very ornamental. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c.

Yellow Peach Differs from the Purple Peach in color only, being a rich golden color. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 80c.

Small Tomatoes, Excellent for Preserves, Pickles and Pies.

Red Currant.....	Pkt., 5c.	Yellow Plum.....	Pkt., 5c.
Red Cherry.....	" 5c.	Yellow Cherry.....	" 5c.
Red Pear-Shape.....	" 5c.	Yellow Pear-Shape.....	" 5c.

Prices of any of above Small Varieties by the ½ oz., 15c; oz., 25c; ¼ lb., 80c; lb., \$3.00.

MIXED SMALL TOMATOES—This mixture contains a number of small sorts which are desirable for preserves, etc. Pkt., 10c.

The prices of Plants do not include prepayment of Express charges. They are sent by Express at purchaser's expense, except where quoted by mail, postpaid. We aim to keep all the following varieties on hand, in their proper season, and can ship from the beds, and well packed, on short notice. If out of any variety ordered we will send some other similar variety in place of it unless requested not to do so. Write for our Special Mid-Summer Price List of late Cabbage, Celery, etc. It is issued in June.

Artichoke Roots.

Lb., 30c.; 3 lbs., 75c., postpaid. By Freight or Express—Pk., 60c.; bus., \$1.75; bbl. of 3 bus., (enough for one acre) \$4.50.

Asparagus Roots.

	50	100	1000
Conover's Colossal	40c.	65c.	\$5 00
Donald's Elmira	50c.	75c.	6 00
Columbian Mammoth	50c.	75c.	6 00
Palmetto	45c.	75c.	6 00

Cauliflower. Ready April 1 to July 1.

Livingston's Earliest	65c.	\$1 00	\$7 50
Henderson's Early Snowball	65c.	1 00	7 50

Celery. Early Grown. Ready in May.

Livingston's Snowwhite	75c.	\$1 40
White Plume	60c.	1 00
Giant Golden Heart	60c.	1 00

Chives.

Good Clumps, by Express, not paid, each, 10c.; doz., \$1.00. By Mail, postpaid, each, 20c.; 6 for 80c.; doz., \$1.50.

Cabbage, Early. Ready about April 10.

	50	100	1000
Early Spring	40c.	65c.	\$4 50
Extra Early Wakefield	40c.	65c.	4 50
Henderson's Early Summer	40c.	65c.	4 50

Egg Plant. Ready May 15.

Large New York Purple	Doz., 25c.	85c.	1 50
Livingston's Mammoth	" 25c.	85c.	1 50

Fruit Plants. See pages 95 and 96.

Hedge Plants.

Osage Orange, 2 years old	35c.	\$2 50
Honey Locust	75c.	4 50

California Privet. A splendid bright green hedge plant. For prices and description see page 93.

HORSE RADISH.

The best Horse Radish is produced from small pieces of roots 4 or 5 inches in length. These small roots will produce Radish fit for use in one season's growth. Plant the set small and down, where the slanting cut is, so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. A part of the crop may be pitted late in the fall if desired. A dozen roots will give all that will be needed for family use. As it constantly increases it is best to plant it in some out-of-the-way corner of the garden. A very profitable crop for market gardeners to grow. By Mail, postpaid, each, 5c.; doz., 25c.; 50 for 60c.; 100 for 90c. By express, not paid, 100 for 75c.; 300 for \$2.00; 500 for \$3.00; 1000 for \$5.00.

Prices on Application on Larger Lots.

Pepper. Ready about May 15.

	DOZ.	50	100
Sweet Mountain	25c.	60c.	\$1 00
Ruby King and Bull Nose	25c.	60c.	1 00

Rhubarb Roots.

Choice Seedlings, by mail, each, 20c.; 2 for 30c.; 4 for 50c. By Express, not paid, each, 10c.; doz., 75c.; 50 for \$2.75; 100 for \$4.50.

Sage, Holt's Mammoth.

This large-leaved variety has been tested for years, and is far superior to the old variety. Yields more leaves to the plant than a dozen of the common sage. Plants strong, grow a foot high and spread 2 to 3 feet the first season. Leaves home well up from the ground, are clean, strong in flavor and of superior quality. Perfectly hardy, even in extreme northern states. Never produces seeds. We offer Plants only. Each, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00, postpaid. Prices on application for Larger Lots.

Sweet Potato Plants.

Ready about May 10.

"Up-Rivers" and Yellow Jersey—By mail, postpaid, 100, 60c. By Express, not paid, 50 for 20c.; 100 for 30c.; 1000 for \$2.50.

Tarragon.

Its aromatic leaves are used in seasoning of salads, also for Tarragon vinegar, and no other herb quite takes its place. If cut in autumn it can be kept in a dry state the same as other herbs. Should find a place in every good garden. The true Tarragon, like the Mammoth Sage, does not produce seed, hence, we supply plants only. Each, 15c.; 2 for 25c.; 5 for 50c.; 12 for \$1.00.

Leaf of Mammoth Sage.

Tomato. Ready about May 10.

Livingston's Beauty, Buckeye State, Honor Bright, Yellow Prince, Stone, Dwarf Champion, Dwarf Aristocrat. By Mail, postpaid, doz., 30c. By Express, not paid, 50 for 60c.; 100 for \$1.00; 1000 for \$7.50.

Lower Prices later in the season.

MILLIONS OF TOMATO PLANTS.

We grow immense quantities for general crop, and are usually in position to make Special Prices on all leading sorts on orders of 1,000 100,000. Our sales of Tomato Plants exceeded 2,000,000 last year.

5,000 to 10,000 Lots of Plants at Lowest Market Prices.

Write Us WHEN READY TO BUY LARGE QUANTITIES OF TOMATO, CABBAGE, CELERY, SWEET POTATO AND HEDGE PLANTS, and we will make LOWEST MARKET PRICES TO DATE.

FLOWER PLANTS, ROOTS, BULBS, etc., see Pages 81 to 94.

Miscellaneous Farm Seeds.

ALPHABETICALLY ARRANGED.

Our grades of Farm Seeds are away above the average on quality, and this makes a big difference in value—the low, trashy grades being costly at any price—and yet, our prices will be found very little, if any, above those quoted elsewhere. The man in charge of this department, having been with us for more than twenty years, is thoroughly posted, and will take pleasure in giving customers any information desired. The prices given below are Net Cash, free on cars, this city, purchaser paying all transportation charges. At the prices quoted here we make no charges for bags or cartage. The prices quoted are subject to market fluctuations. Should any article seem high, or when customers are in need of large quantities, we will be pleased to submit samples and quote, on application, the lowest prices that the market will justify at the time. Please state quantities when writing for prices.

Jerusalem Artichoke Roots.

The Jerusalem Artichoke can be grown only from the tubers. It is especially valuable as a cheap and healthful hog food, and they do the harvesting. **Tubers**—1 box, 10c; lb, 30c; 3 lbs., 75c, postpaid. By Express or Freight—Peck, 60c; 1/2 bus., \$1.00; bus., 50 lbs., \$1.75; barrel of 3 bus., \$4.50. 3 to 5 bushels plant an acre.

Broom Corn.

IMPROVED EVERGREEN—Best variety for general cultivation on account of color and quality of brush; ripens early, grows about 8 to 10 feet high; brush of good length, fine and straight, and always of green appearance when ripe. Postpaid—Lb., 25c; 3 lbs., 60c. By Express or Freight—10 lbs., 75c; 25 lbs., \$1.25; 100 lbs., \$3.50.

Buckwheat

Should be sown about the middle of June, broadcast, using from 1 to 3 pecks of seed per acre.

NEW JAPANESE—This new sort has proven to be much earlier and more productive than any other variety. Give this very large and of rich brown color. It excels all in yield and earliness. Postpaid—Lb., 25c; 3 lbs., 60c. By Express or Freight—Peck, 50c; bus., 1.75.

SILVER HULL—A very good and popular variety. The grain is of a light gray color, is rounder than the common variety, has a much thinner hull, matures earlier and yields a half more to the acre. Postpaid—Lb., 25c; 3 lbs., 60c. By Express or Freight—Peck, 60c; bus., \$1.85.

FARM SEED PRICES SUBJECT

TO

Important Market Changes.

Jerusalem Artichoke.

Barley. **NEW BEARLESS SUCCESS**—A very early variety. Straw about the height of common Barley, but better, and will stand up on any land. With good land and season has produced 80 bushels per acre. It will grow early, ripen 4 or 5 days before rye, and being beardless, handles as easily as oats and makes a stronger feed. Postpaid—Lb., 25c; 3 lbs., 60c; By Express or Freight—Peck, 40c; bus., \$1.25.

COMMON SEED BARLEY—Ask for price, stating quantity wanted.

Cow or Southern Peas.

There is no surer or cheaper means of improving and increasing the productiveness of our soils than by sowing the Cow Pea. It makes enormous growth, enabling the farmer to put plenty of nitrogenous vegetable matter into the soil at a small cost, and so very largely enables him to dispense with the use of nitrogenous commercial fertilizers, and has the power to extract this costly nitrogen from the atmosphere and to store the same in the vines and roots so that if the crop is cut off the land is still enriched and the condition improved. From 5 to 9 tons of green fodder per acre have been produced by the Cow Peas. To grow for hay they are most valuable. The bacon made from hogs fed on the dry peas is much sweeter and more solid, and the fat will not run out in cooking nearly so much as when fed on corn. For ensilage they are unsurpassed. When it is desired to turn the whole crop under as a soil improver, it is better to do so after the vines are partly dead. A good picking of the dried peas can be made before plowing under. Cow Peas can be sowed in May or June, at the rate of 1 to 1 1/2 bushels per acre.

BLACK—Quick to mature; well adapted for late planting and northern sections; a vigorous grower and great yielder. Peck, 60c; bu., \$2.00.

WHIPPOURWILL—An early bunch growing variety; a great favorite in the North and West; quite prolific. Peck, 60c; bu., \$2.00.

BLACK-EYE—A prolific vine-growing variety of merit; taste often sold for table use. Peck, 75c; bu., \$2.75.

Market price on Cow Peas changes often. Write for prices on larger quantities when ready to buy.

Beardless Barley.

Alfalfa Clover.

Clover Seed.

Parties wishing to buy large quantities will do well to get samples and prices before placing their orders. We handle it on a close margin and supply the finest grades. It is impossible to tell how low our prices are without seeing samples which will be sent free upon application. A bushel of clover seed is 60 pounds. Deduct 10 cents per pound from single pound prices if to be sent by Freight at purchaser's expense.

ALFALFA or LUCERNE—Must be sown at rate of 20 to 25 lbs. per acre when sown broadcast, or well-drained, well-pulverized, deep soil, after danger of freezing is over, and prefers sand or gravel sub-soil. Wet sub-soil is fatal to the plant. Roots from 3 to 15 feet deep, and when well established lasts for years. 2 to 3 crops a year can be cut. Not recommended for pasture. Lb., 40c; 10 lbs., \$2.50; 100 lbs., \$20.00.

WHITE DUTCH CLOVER—Good in permanent pastures, especially for cattle; valuable for bees and the best variety for lawns, as it forms a close herbage and remains green throughout the season. Sow in spring at the rate of 5 lbs. per acre when sown alone, half the quantity when with other grasses. Lb., 50c; 10 lbs., \$3.50; 100 lbs., \$30.00.

MEDIUM or COMMON RED—The most important and valuable of the Clover family. Makes the best of hay. Sow 10 lbs. per acre. Lb., 30c; 10 lbs., \$1.50; 100 lbs., \$14.00.

ALSIKE or HYBRID, Swedish—Hardest of all Clovers. On rich, moist soil yields large quantities of hay or pasture. Will thrive about ponds or in low wet soils, as it has fibrous roots. Esteemed highly by bee keepers. Sow 5 lbs. per acre. Lb., 35c; 10 lbs., \$1.75; 100 lbs., \$15.00.

MAIMOTH CLOVER—Valuable with other grasses for mixed hay. Ripens about with Timothy. Being a rank grower it is used largely for plowing under. Sow 10 pounds per acre. Lb., 30c; 10 lbs., \$1.50; 100 lbs., \$14.00.

CRIMSON CLOVER—It must be sown in July, August and September of each year. Can be sown with corn, or any cultivated crop. Sow 10 to 15 lbs. per acre. Cover lightly. Use only American grown seed. The spring following can be cut for selling by April 20, for ensilage, May 1 to 15; for seed, first week in June. Lb., 30c; 10 lbs., \$1.25; 100 lbs., \$10.00.

Selected Seed Corn.

The varieties of Field Corn we offer are the best in general use, each one an entirely distinct variety. They are all well matured, cured, and shelled with great care. We test all varieties before sending out, that there may be no doubt as to vitality if properly planted and the conditions are favorable. It only costs about 25 cents to 30 cents an acre to use our Carefully Selected and Tested Seed Corn. Is it wise to risk doubtful corn from the crib? **TO AVOID DELAY** when ordering **LATE IN THE SEASON**, it would be well to mention your **second choice**, or state whether we shall send a sort adapted to your locality or refund the money, provided we are sold out of your **first choice** at the time your order arrives.

Pride of the North.

The very earliest Yellow Dent Corn in cultivation, and can be successfully grown further north than any other Dent. Ripens readily in New England. Matures perfectly in 90 days; very hardy, ears of uniform size, cob small, kernels set closely on the cob, and are long and compact.

True Yellow Clarage.

BEST SECOND EARLY. Sure to ripen. It has been grown extensively in this locality for over 50 years. Ripens between Pride of the North and Leaming. Ear medium in size, very uniform its entire length, and well filled out at both ends. Husks very easily, of rich golden color, and very productive. In favorable seasons will ripen planted as late as the first of July. Highly recommended as one of the best in points of early maturity, productiveness and feeding qualities.

True Yellow Leaming.

An extensively grown large Yellow Dent variety. Has pure, glossy yellow ears growing low on a strong, heavy stalk; grains square and deep; ripens quite early—frequently in 100 days from planting. Yields from 75 to 100 bushels per acre.

New White Cob Early Dawn.

A new White Dent Corn of great merit. The pure white kernels are bright and glossy; small white cobs; stalks often bear two good ears; grows well over tips of cobs; matures in 90 to 100 days. A good yielder, excellent for any soil; better yielder on clay land than any of the yellow kinds. **Unsurpassed for high grade corn meal.**

Mammoth White Dent.

A large eared variety; has a broad, very deep, pure white kernel and cob, grades strictly white in any market. It is very desirable for white corn meal, and those desiring a large white corn cannot fail to be pleased with it. We have sold this excellent corn for several years past and we pronounce it the best large White Dent.

White Cap Yellow Dent.

Suitable for all soils, grows large ears and matures early; grows strong, rank and thick, and, it is claimed, will produce more corn on poor, thin soil than any other kind in cultivation. Tip end of the grains are white, inside yellow.

PRICE. Any of the above varieties of Field Corn, by mail, postpaid—Sample ear, 25c.; large packet, 5c.; quart, 30c. By Express or Freight (at buyer's expense), 6 Select Ears, 30c.; quart, 15c.; 4 quarts, 30c.; peck, 50c.; bus., \$1.60; 5 bus., \$7.25; 10 bus., \$13.50. Sacks free. Write for prices on larger quantities.

Can supply any of above Corns in the Ear at \$2.00 per bus. with the exception of Pride of the North, Early Dawn, White Cap Yellow Dent.

FOODER AND ENSILAGE CORNS.

LEAMING CORN—Highly recommended by best ensilage authorities. See price above.

MAMMOTH WHITE DENT—Yields immensely. See price above.

SWEET or SUGAR—There is nothing better. Can be planted same as other corn, or sown thickly in drills or broadcast. Peck, \$1.35; ½ bus., \$2.50; bus., \$1.50.

RED COB ENSILAGE—A Southern type of large white corn, with red cob, strong, leafy stalks and short joints; a general favorite. Peck, 35c.; bus., \$1.10; 2 bus., \$2.00; 5 bus., \$1.75; 10 bus., \$3.00.

POP CORN—**WHITE RICE**—Best for popping; grains pointed, pops full and white; productive; excellent quality. By mail, postpaid—Nice Sample ear, 1lb. pk., 5c.; ½ lb., 15c.; 1 lb., 25c.; 3 lbs., 60c. By Express, not paid, 10 lbs. for \$1.00; 20 lbs. for \$1.50; 10 lbs. for \$2.75.

Mammoth White Dent.

Reid's Yellow Dent.

For description see opposite page.

Livingston's EARLY.... Golden Surprise FIELD CORN

Entirely Distinct. Grows Short, Strong Stalks. Ripens in 90 Days.
Ears Average Size. Deep Grained. Small Cob. A Great Feeding Corn.

THE LARGE AMOUNT OF CORN PRODUCED
ON SUCH SMALL COBS SURPRISES EVERYONE.

A Variety of Merit offered and Named by us in 1898, and, as anticipated, it has Met with Great Favor. Our Description of GOLDEN SURPRISE Consists of Plain, Unvarnished Statements and Simple Facts.

The illustration is a reproduction from a photograph, and, although somewhat reduced in size, will give a very accurate idea of the ears. The cob is so small that many of them may be actually encased in an ordinary finger ring. The corn, as a whole, is indicative of its name, and is, indeed, a genuine surprise to all who behold it. Beautiful in its rich golden color and even size from butt to tip of ear. Profitable in its depth of grain and small per cent of waste cob. Convenient in its short fodder growth and easy break of ear from stalk. Certain in its early maturity, and, all points considered, is the best 90-day corn up to date. Ten years of close observation, careful breeding and selection brought about the desired result.

We have tested this corn for several years in various localities in comparison with well-known sorts, and find it fully equal in average bulk to any on the market, but in depth of grain and weight of shelled corn per bushel it has no competitor. Its habit of growth is short, strong stalk, with broad, closely set leaves, which makes it a superior fodder corn. A new, distinct, Yellow Dent variety of unquestionable merit. An occasional ear with deep amber-colored grains will be found, but it relies on this for its valued earliness, hence, has never been entirely bred out.

Price—By Mail, postpaid—Sample Ear, 25c.; large packet, 10c.; pound, 25c.; 3 pounds, 60c. By Express or Freight, at buyer's expense—6 Select Ears, 50c.; 4 quarts, 30c.; peck, 50c.; $\frac{1}{2}$ -bus., 90c.; bus., \$1.75; 2 $\frac{1}{2}$ bus. bag, \$4.00; 5 bus., \$7.75; 10 bus., \$15.00. If wanted in ear add 50c. per bushel to above rates.

WHAT OTHERS SAY.

J. B. SANDS, Perry Co., Ohio, writes: "Last spring I bought a bushel of your Early Golden Surprise Corn. I am very well pleased with it in every respect. The fodder is the best I ever saw, and the corn A No. 1."

R. H. PEARCE, McDuffie Co., Ga., writes: "I have tried your Golden Surprise Corn and find it all you claim for it. Am getting it for myself and a friend."

S. M. LESLIE, Osage Co., Kansas, writes: "Last season I was highly pleased with Golden Surprise Corn. It was full of life I saved some of it for seed."

JACOB I. MCKENZIE, Madison Co., Ind., writes: "I have seen the Golden Surprise Corn you sent to a neighbor and was very much impressed with it, hence this order. It is rightly named—a Golden Surprise—sure."

A VALUABLE IMPROVED STRAIN.

Reid's Thoroughbred Yellow Dent

SEE CUT ON OPPOSITE PAGE.

If any seed grain can truly be called pedigreed, the Reid Yellow Dent Corn is certainly entitled to be known as such, as its history dates away back into the early part of the past century. It originated by accidental hybridizing of two good varieties, and has since been bred up and selected to what it is at the present time—one of the best varieties of yellow corn grown.

The ear is medium in size, remarkably uniform, medium early in maturing, is of bright yellow color, with solid deep grain and small red cob. Has from 18 to 22 rows of kernels on the cob, 50 to 60 grains in the row, and is well filled over the ends, especially the butt, leaving a small shank, which makes it a great favorite with huskers. Best shredding sort, as it shatters the least of any by actual test.

In some of the principal corn-growing states of the west it has no equal, and reports from many other states are very flattering. The Iowa Experiment Station report for 1901, gave the Reid Yellow Dent an average of one hundred bushels per acre, while the Agricultural Students Union of Ohio, for the past season, gave it a yield of 14 per cent above all other varieties. As a winner of prizes, from the World's Fair at Chicago in 1893, and at Western Corn Carnivals and Shows down to the present time, it stands at the head.

Price of Reid's Thoroughbred Yellow Dent same as Golden Surprise.

TESTIMONIALS SENT TO ORIGINATOR.

M. J. BOYLAN, Will Co., Ill., writes: "The corn I bought of you was fine; averaged 50 bushels to the acre, of good quality. I want some more pure seed next spring."

G. C. SPANGLER, Henry Co., Iowa, writes: "The seed corn I got of you last spring grew all right, and was well pleased with it. It made a good yield of sound corn, considering the dry season. I like it so well that I will plant it next year, and gladly recommend it to your customers."

CHARLES OAKES, Scott Co., Ill., writes: "I am greatly pleased with the corn raised from the seed received from you last spring. I consider it the best variety I ever raised. Am thinking of sending some to the Corn Carnival."

LIVINGSTON'S CAPITAL LAWN MIXTURE

There is nothing more charming About the home grounds than a well kept lawn, and nothing adds greater value to the property for the same amount expended. It is a constant joy to the beholder as well as, pride to the owner. It need not be large to be attractive, a small lawn, well kept, affords equal pleasure. It may be formed by laying turf (sodding) or by sowing seed. Some time is gained by sodding but in many respects it is unsatisfactory, hence the sowing of seed is to be preferred.

Prepare the Soil as early in the spring as it will break up fine, by plowing or digging up thoroughly to 8 or 10 inches in depth. Grade to the desired level, and harrow or rake and roll it until fine and firm. Remove all sticks, stones and clods. You can't do too much in getting it in fine condition. The last time over it, should be with rake or harrow with teeth set close, when it is ready for the seed. The soil should be good, but not over rich. If poor, an application of Wood Ashes, Sheep Manure or Bone Meal is advisable. Well rotted manure is good, but there is some risk in using it, from weed seed.

Sowing the Seed. Use the best seed obtainable. Our mixtures are all of high grade and cannot be excelled. They are cheapest in the end. Our long experience enables us to tell which kinds, and the proper proportions to use in mixing, will give best results. Sow at the rate of 80 to 100 pounds per acre, or one pound to about 500 square feet. Constantly stir the seed while sowing to keep it evenly mixed. On this account a large vessel of some kind is preferable to a bag. Sow by hand, going both ways across the plot, so you will be sure to get it evenly distributed. Don't attempt to scatter the seed to any great distance, but let it fall gently and the heavy as well as the light seeds will then be found equally well sown. Rake lightly to cover seed and roll, if the surface of soil is dry, to make it firm about the seed.

Mowing Should begin when the grass has become well rooted, and kept up throughout the season as often as occasion demands. Never let it get high enough so that the mower will take off the first joint, as it is an injury and causes the lawn to look bad. Once

each week is sometimes necessary in good growing spells. Avoid cutting too close when dry and hot. Let the clippings, if short, remain on the lawn. They wither and dry up at once, form some protection to the roots, and finally make a good fertilizer for the grasses. If clippings, however, are long, they must be removed, as they are not only unsightly but a positive injury to the lawn. Keep the mower sharp and avoid pulling the grass, also causing the lawn to have an uneven appearance.

Rolling should be done early in the spring to smooth and firm the soil of any unevenness caused by heaving of the frost during winter.

Water During dry times about once each week, thoroughly soaking the soil. This is better for the grass than a little sprinkle given daily, which is really an injury.

To Grass a Terrace. Take for each square rod a pound of six cubic feet of good, dry garden loam. Place it in a tub and add liquid manure, diluted with about two-thirds water until the mixture has the consistency of mortar. Make the slope perfectly even and smooth, water it well, then apply the paste in a thin, even coat.

Shady Situations, If covered with moss, or the ground seems out of condition; rake off the surface and apply lime or land plaster. Dig up the soil, rake off smooth and sow our Shady Place Mixture, one pound to 500 square feet.

Old Lawns, If not taken with bad weeds or undesirable grasses, can be renewed by going over with rake or harrow, sowing twenty to forty pounds of our Capital Mixture, according to the amount of bare ground, and follow with rake or harrow to cover seed. It is advisable to do this quite early every spring on all lawns, to keep in prime condition.

Fertilizers. After the lawn has been established for a few years it will give the sward a richer and darker green color. Barleyd manure should not be used. It is objectionable in appearance, odor, weed seeds and cost. See our list of fertilizers in back part of this catalogue, for kinds to use and prices.

SHADY PLACE MIXTURE On newly all lawns there are shaded bare and unsightly spots on which the owners have difficulty in getting a stand of grass; for such places this mixture is adapted. Prices—1 lb., 50c; 4 lbs., \$1.75; postpaid, Bus. \$6.50. Deduct 10 cents per pound from pound prices if to be sent by Express or Freight.

TENNIS COURT MIXTURE A mixture composed of low growing, hardy grasses suitable for grounds of this character. Price—1 lb., 50c; 4 lbs., \$1.75; postpaid, Bus. \$6.50. Deduct 10 cents per pound from pound prices if to be sent by Express or Freight.

GOLF LINKS MIXTURE We make a mixture of grasses suitable to the purposes of the golf links, as it will stand rough usage. We can also prescribe for Links located on poor or rich, dry or wet soils telling which grass will best suit each location.

KENTUCKY BLUE GRASS Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn. It takes longer, however, to get it established. Price—(Fancy clean seed)—1 lb., 30c; 2 lbs., 50c; postpaid, Bus. (1 lb.) \$2.20. Deduct 10 cents per pound from pound prices if to be sent by Express or Freight.

WHITE CLOVER Best for lawns. Sow at rate of 5 lbs. per acre. 1 lb., 50c; 10 lbs., \$3.50; 100 lbs., \$30.00.

LIVINGSTON'S Capital Lawn Seed Mixture.

4 pound of our Mixture will sow about 500 Square Feet, (20 x 25 ft.)

We have made the subject of Lawns a study for many years, and this mixture has been prepared and sold by us in all parts of the country, giving general satisfaction. In making a lawn great care should be taken to use only the very best quality of suitable lawn seed so as to produce a soft, VELVETY, EVER-GREEN SOD.

Our Mixture weighs about 20 pounds to the measured bushel and is not surpassed by any on the market.

Quantity of Seed Required to Sow an Acre (43,560 sq. ft.). For new lawns, not less than four bushels, for renovating old lawns, from one to two bushels.

PRICE—FIRST QUALITY, per lb., 35c; 3 lbs., \$1.00; postpaid, 1 bus., \$3.50; 2 bus., \$6.50; 5 bus., \$15.00. Deduct 10 cents per pound from pound prices if to be sent by Express or Freight.

SECOND QUALITY, per lb., 30c; 2 lbs., 50c; postpaid, 1 bus., \$3.00; 2 bus., \$5.50; 5 bus., \$12.00. Deduct 10 cents per pound from pound prices if to be sent by Express or Freight.

Livingston's Lawn Seed Mixture can be had with or without White Clover, as customers prefer.

GRASS SEEDS.

These seeds are selected with special reference to their quality. Purchasers may rely upon our best exertions to furnish Grass and Field Seeds fresh, pure and free from noxious and foreign seeds. Samples, for comparison, cheerfully sent, if requested.

Owing to the varying bulk of grass seeds, from season to season, due to climatic condition and improved methods of cleaning, they are always put up by weight, and not by measure, thereby securing to our customers the amount they pay for, as prices are based on weight, not bulk. (The number of pounds to the bushel, in brackets, is the old way of offering grasses, and is mentioned merely for reference.) Prices on grass seeds are changing (almost daily) and we can only give prices subject to market fluctuations. Bases included in prices given. Our single pound prices include postage paid by us. Deduct 10 cents if to be sent with other goods by Express or Freight.

THOSE WANTING SEEDS IN LARGER QUANTITIES THAN HERE QUOTED SHOULD WRITE US FOR SPECIAL PRICES.

AWNLESS BROME GRASS (*Bromus inermis*)—Will stand long droughts and produce heavy crops in dry sections where other grasses would perish. Has also proven one of the hardiest grasses. Especially desirable for permanent pastures. Succeeds in a wider range of temperature than any other grass. Sow 25 to 30 lbs. per acre. (Bus. 14 lbs.) Lb., 30c.; 10 lbs., \$1.80; 100 lbs., \$16.00.

RED TOP GRASS (*Agrostis vulgaris*)—Thrives well in any soil, but best on low land; produces a firm sod. Sow 15 to 25 lbs. per acre. (Bus. 14 lbs.) Fancy Clean—Lb., 25c.; 10 lbs., \$1.40; 100 lbs., \$12.50.

TIMOTHY (*Phleum pratense*)—Well known variety. When ready to buy, write for latest prices, whether you want a bag or a carload. Sow 8 lbs. per acre. (Bus. 45 lbs.)

Prime Seed Lb., 20c.; 10 lbs., 60c.; 100 lbs., \$4.40
Choice Seed Lb., 20c.; 10 lbs., 75c.; 100 lbs., \$5.00

SWEET VERNAL (*Anthoxanthum odoratum*)—Very fragrant. Mixed with other grasses for pasture it is quite valuable, as it starts early in the spring and grows until late in the fall. Sow 35 lbs. per acre. (Bus. 10 lbs.) Lb., \$1.20; 10 lbs., \$10.50; 100 lbs., \$100.00.

CRESTED DOCTAIL (*Cynosurus cristatus*)—May be sown on lawns; forms a close turf, remaining green a long time; valuable for sheep pasture; succeeds on dry, hard and gravelly soil. Height 1 to 1½ feet. Sow 25 lbs. per acre. (Bus. 21 lbs.) Lb., 55c.; 10 lbs., \$4.00; 100 lbs., \$35.00.

SHEEP'S FESCUE (*Festuca ovina*)—Grows naturally on light, dry, sandy soils and mountain pastures; considered quite valuable mixed with other grasses for permanent early spring pasture. Sow 15 lbs. per acre. (Bus. about 12 lbs.) Lb., 30c.; 10 lbs., \$1.50; 100 lbs., \$12.00.

CREeping BENT GRASS (*Agrostis stolonifera*)—Excellent for pasture when mixed with other grasses; succeeds well in most situations, and thrives in moist land. Sow 40 lbs. per acre. (Bus. 14 lbs.) Lb., 35c.; 10 lbs., \$5.00; 100 lbs., \$25.00.

WOOD MEADOW GRASS (*Poa nemoralis*)—Adapted for pasture or pleasure grounds; of early growth; thrives under trees. Sow 25 to 30 lbs., per acre. (Bus. 14 lbs.) Lb., 65c.; 10 lbs., \$5.00; 100 lbs., \$45.00.

RHODE ISLAND BENT GRASS (*Agrostis canina*)—Valuable for lawns. Sow 35 to 50 lbs. per acre for lawns, 20 to 30 lbs. for pasture. (Bus. 12 lbs.) Lb., 40c.; 10 lbs., \$2.50; 100 lbs., \$20.00.

KENTUCKY BLUE GRASS—June Grass (*Poa pratensis*)—Universally known; desirable for pastures and lawns. Sow in fall or spring at rate of 30 to 40 lbs. per acre. (Bus. 14 lbs.) Export Fancy Clean Seed—Lb., 30c.; 10 lbs., \$1.50; 100 lbs., \$14.00.

PERENNIAL RYE GRASS (*Lolium perenne*)—Very nutritious; valuable for meadows or permanent pastures; rapid grower. Sow 25 to 35 lbs. per acre. (Bus. 24 lbs.) Lb., 25c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

MEADOW FESCUE (*Festuca pratensis*)—Thrives in all soils; excellent for permanent pastures; starts early; very productive. Sow 25 to 35 lbs. per acre. (Bus. 24 lbs.) Lb., 30c.; 10 lbs., \$1.25; 100 lbs., \$10.00.

HARD FESCUE (*Festuca duriuscula*)—Not very productive, but it is of a very fine quality, and thrives well in dry situations where many other grasses would fail, thus making a desirable pasture variety. Sow 30 lbs. per acre. (Bus. about 12 lbs.) Lb., 35c.; 10 lbs., \$1.75; 100 lbs., \$13.00.

"GRASS TALKS"

Book of 33 pages, treating on Grasses, Clovers, Millets, etc. FREE TO CUSTOMERS on request. 20 cents to others.

PRICES ON FARM SEEDS

Subject to Important Market Changes.

FIELD SEEDS.

We are proud of our Field Seed Department. Ask us for prices and samples in this line, stating quantities you think of using.

Red Top.

10 lbs., \$1.40; 100 lbs., \$12.50.

Brome Grass.

us for latest prices, whether you want a bag or a carload. Sow 8 lbs. per acre. (Bus. 45 lbs.)

Prime Seed Lb., 20c.; 10 lbs., 60c.; 100 lbs., \$4.40
Choice Seed Lb., 20c.; 10 lbs., 75c.; 100 lbs., \$5.00

Blue Grass.

early growth; thrives under trees. Sow 25 to 30 lbs., per acre. (Bus. 14 lbs.) Lb., 65c.; 10 lbs., \$5.00; 100 lbs., \$45.00.

RHODE ISLAND BENT GRASS (*Agrostis canina*)—Valuable for lawns. Sow 35 to 50 lbs. per acre for lawns, 20 to 30 lbs. for pasture. (Bus. 12 lbs.) Lb., 40c.; 10 lbs., \$2.50; 100 lbs., \$20.00.

KENTUCKY BLUE GRASS—June Grass (*Poa pratensis*)—Universally known; desirable for pastures and lawns. Sow in fall or spring at rate of 30 to 40 lbs. per acre. (Bus. 14 lbs.) Export Fancy Clean Seed—Lb., 30c.; 10 lbs., \$1.50; 100 lbs., \$14.00.

PERENNIAL RYE GRASS (*Lolium perenne*)—Very nutritious; valuable for meadows or permanent pastures; rapid grower. Sow 25 to 35 lbs. per acre. (Bus. 24 lbs.) Lb., 25c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

MEADOW FESCUE (*Festuca pratensis*)—Thrives in all soils; excellent for permanent pastures; starts early; very productive. Sow 25 to 35 lbs. per acre. (Bus. 24 lbs.) Lb., 30c.; 10 lbs., \$1.25; 100 lbs., \$10.00.

HARD FESCUE (*Festuca duriuscula*)—Not very productive, but it is of a very fine quality, and thrives well in dry situations where many other grasses would fail, thus making a desirable pasture variety. Sow 30 lbs. per acre. (Bus. about 12 lbs.) Lb., 35c.; 10 lbs., \$1.75; 100 lbs., \$13.00.

ORCHARD GRASS (*Dactylis glomerata*)—Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly; furnishes an abundance of pasture for stock all season. Sow 20 to 30 lbs. per acre. (Bus. 14 lbs.) Lb., 30c.; 10 lbs., \$1.65; 100 lbs., \$15.00.

TALL MEADOW OAT GRASS (*Avena elatior*)—Used for soiling. Succeeds well in sandy lands, and, owing to its long, fibrous roots, stands cold and drought well. Sow 25 to 30 lbs. per acre. (Bus. 10 lbs.) Lb., 40c.; 10 lbs., \$2.50; 100 lbs., \$20.00.

MIXED GRASSES

For Meadows and Permanent Pastures.

Under this head we are prepared to furnish seeds adapted to all soils, all situation and all purposes; for light, medium and heavy soils. By light soils we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams, while the medium is an intermediate between these two. A light, wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil more as the light soils. Write us for what you want, giving nature of soil, number of acres, etc., and we will, with pleasure, give you estimates and terms.

Orchard Grass.

MILLET.

GERMAN, or GOLDEN—True Southern Grown German Millet Seed is far superior to Western grown seed. Will grow in any climate or soil, and when properly grown and handled makes an enormous yield of most nutritious feed. The seed must be sown thickly, not less than 50 lbs. per acre, at any time between May 1st and June 15th, and the crop cut while it is in bloom, before the seed hardens in the head. Prepare the ground well before sowing. Cover with a single stroke of a light harrow, or roll without harrowing, or it may be sown with a wheat drill, barely covering the seed. (Bus. 50 lbs.) Lb., 20c.; 10 lbs., 50c.; 100 lbs., 4.00.

GERMAN, Western Grown, market price.

HUNGARIAN (Grass)—A very valuable forage plant of the Millet family, but not so coarse. Sown and cultivated same as Millet, and quite a favorite with stockmen. (Bus. 48 lbs.) Lb., 20c.; 10 lbs., 45c.; 100 lbs., \$3.50.

German Millet.

KAFFIR CORN

The Great Dry Weather Crop.

This Non-Saccharine Cane is one of the best of forage plants. It is the greatest grain producer of the Cane family, and is greatly eaten by all domestic animals, whether fed in the grain or ground and cook. Valuable as a substitute for Buckwheat flour. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn; average yield 50 bushels per acre. For hay, sow in drills or broadcast at the rate of 50 to 75 lbs. per acre, and cut when seed is coming to dough stage makes a very valuable hay, of good quality, and will yield from 3 to 10 tons per acre. Try a few acres and surprise your herd with plenty of feed. By Mail, postpaid—Oz., 5c.; ½-lb., 10c.; lb., 25c.; 3 lbs., 50c. By Express or Freight—10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.90; 100 lbs., \$3.50.

Hunt up our various collections in seeds and plants throughout this catalogue. They are all great bargains.

Seed Oats

Silver Mine. A tall and very prolific sort. Has a short, thick grain and yields immensely. Postpaid—1b., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 30c.; bus. (32 lbs.) 80c.; 5 bus., \$3.50; 10 bus., \$6.00. Bags Free.

AMERICAN BANNER—Invariably yields large crops. Grains large, white and plump; ripens early; has stiff straw of good length. Postpaid—1b., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 30c.; bus. (32 lbs.) 80c.; 5 bus., \$3.60; 10 bus., \$6.50. Bags free.

Write for Special Prices on Larger Quantities of Oats.

Peas, Canada Field.

Every year there is more inquiry for Field Peas. They stand in the front rank as a fodder crop, especially for hogs. They can be fed green or dry. As a fertilizer they come next to clover, to be plowed under when they commenced to blossom; they will grow on land that will not produce clover. Sow 1½ to 2 bushels to the acre, or, if with oats sow 1 bushel of each. Sow peas first and plow under, 4 to 5 inches, then oats on top and harrow in. Peck, 50c.; bus., \$1.90.

For Larger Quantities write for Prices, stating quantity you can use.

Peanuts

VIRGINIA IMPROVED—A very profitable variety to grow, and is easily cultivated; very erect stem; largest pods and kernels with fewer imperfect pods of any variety. The vines make valuable forage for stock. By Mail, postpaid—Large package, 10c.; ½ lb., 20c.; 1 lb., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs., or over, 10c. per lb.

SPANISH PEANUT

The earliest variety grown. Pods small, remarkably solid, well filled, of extra fine quality. Yield per acre very large. Postpaid—Large package, 10c.; ½ lb., 20c.; 1 lb., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs. or over, 10c. per pound.

Dwarf Essex Rape.

It is extensively grown for forage. Farmers who desire to get young cattle, sheep, lambs or young hogs into favorable condition can do it most cheaply by growing this Rape. Prepare grounds as for turnips, and sow as soon as the frost is out. It is ready in about six weeks. Also sow in June or July broadcast at the rate of 3 or 4 pounds to the acre. When eaten down before it has made its full growth it will come up again with more or less vigor. Used as pasture, not for hay. Our stock is the True Essex variety, and not the worthless annual. Postpaid—Oz., 5c.; ¼ lb., 15c.; ½ lb., 30c.; 1 lb., 50c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$7.00; 500 lbs., \$3.25; 1000 lbs., \$6.00.

Mammoth Russian Sunflower.

An immense yielder—125 bushels of seed to the acre has been grown at less expense than corn. Very highly recommended for poultry. Best egg producing food known. Good feed for horses.

Choice Essex—By Mail, postpaid—Oz., 5c.; ¼ lb., 15c.; ½ lb., 30c.; 1 lb., 50c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$7.00.

Ordinary Stock—10 lbs., 80c.; 25 lbs., \$1.75; 100 lbs., \$6.00.

Prices on Farm Seeds are subject to important Market Changes.

Soy Bean

The Soy Bean is coming right to the front as a great soil enricher, as a food for hogs and cattle, both in the green and dry state. In some parts of the south it is extensively grown only for feeding pigs. Agricultural Bulletins throughout the Southern States praise it without stint. To plow under in the green state it is certainly one of the very best plants, next to Cow Peas, to sow in account of its soil-enriching qualities. It will draw from the air and return to the earth just the nourishment needed.

Ohio Crown Stock—To be sown North of the Ohio River. Postpaid—½ lb., 20c.; 1 lb., 35c. By Express or Freight—Peck, \$1.50; bus., \$5.00.

Southern Crown Stock—To be used South of Ohio River. Peck, 60c.; bus., \$2.25.

Sorghum, or Sugar Cane.

FOR FODDER sow 1st to 15th June, 100 pounds seed per acre and harrow to cover 1 to 2 inches. Harvest after first frost. Cut with Self Binder or Mower and after 3 days' sun put up in large cocks and feed from field, or store in long, 8-foot-wide racks, near feed lot. Yield 8 to 10 tons per acre. Cows and all stock do as well when fed on it as on grass. They will eat it up "slick and clean." One man says, "Not 10 lbs. waste in 3 months' feeding of 400 head." Our sales grew from a few hundred lbs. to many tons as soon as we found out and recommended this way of growing it. For Syrup plant in hills and cultivate same as corn.

EARLY AMBER CANE—The earliest, and makes the finest quality of forage or syrup. Best seed. Postpaid—Oz., 5c.; ¼ lb., 30c.; 3 lbs., 75c. By Express or Freight—10 lbs., 50c.; 90 lbs., \$2.00; 100 lbs., \$3.50.

EARLY ORANGE CANE—A strong grower; stalk heavier and a little later than Amber. Best seed. Postpaid—Oz., 5c.; ¼ lb., 30c.; 3 lbs., 75c. By Express or Freight—15 lbs., 50c.; 50 lbs., \$2.00; 100 lbs., \$3.50.

Write for Prices on Larger Quantities, stating amount you can use. Will send samples if desired.

Tree Seed

OSAGE ORANGE—The best of all hedge plants. Postpaid—Oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

CATALPA (Speciosa)—A rapid grower and makes the best timber trees. Postpaid—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 80c.

RUSSIAN MULBERRY—Easily grown; bardy; fine hedges; makes fence posts in five years; fruit good. Pkt., 10c.; oz., 35c.; ¼ lb., \$1.00; 1 lb., \$3.50.

BLACK LOCUST—A very rapid grower, as fence posts or ties may be cut in ten years from seed and will last a life time. Oz., 5c.; 1 lb., 50c.

Prices on other Tree Seeds given on application.

Vetches

HAIRY VETCH—Succeeds on all soils: does not suffer from extremes of drought, heat or cold. Sown in August it will cover the ground with a dense foliage which, in the Southern States, will afford abundant pasture throughout the winter. Sown in spring it quickly produces a luxuriant crop. Sow 40 to 50 lbs. per acre. Postpaid—Oz., 5c.; 4 ozs., 15c.; 1 lb., 30c. By Express or Freight—Peck, \$1.75; bus. (60 lbs.), \$6.25.

SPRING VETCHES—A good forage plant; also used for plowing under. Sow two bushels to the acre, broadcast like wheat or barley. Postpaid—Oz., 5c.; 4 ozs., 15c.; 1 lb., 35c. By Express or Freight—4 lbs., 65c.; Pkt., \$1.25; bus., \$1.00.

Spring Wheat

VELVET CHAFF BLUE STEM. A distinct variety, having white, velvet-like chaff; heads headless. The stem, just below the head, when green, is a beautiful blue bloom, which disappears as the wheat ripens, both wheat and straw assuming a bright golden tint. The kernel is of the hard variety, similar to the Scotch Fife, but is far more productive and one of the best spring wheats for milling. Bus., \$1.50. Larger quantities write for prices.

Rye. Ask for Prices.

Wild Rice

(Zarania Aquatic) — For fish ponds. Postpaid—Large pkt., 10c.; ¼ lb., 15c.; 1 lb., 35c. By Express—10 lbs., \$2.50.

Prices on all Farm Seeds subject to Market Changes without notice.

Superior Seed Potatoes.

IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing potato seed often is universally admitted by all well-posed growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About 8 bushels will seed an acre, and at 25c. to 40c. per bushel additional cost, the whole outlay would be \$2.00 to \$4.00, with an increase in the crop of at least 25 per cent. By using our **Northern Grown Seed** you are assured of **Early Maturity, Increased Yield and a Vigorous Growth.** Our Northern Growers are Potato Specialists, and have grown for us for years; and the growth and extent of our potato trade is the result mostly of the growers' painstaking care and general knowledge in growing and selecting the seed stock with which to grow the crop. To grow healthy stock they use first-class potato land, nothing but pure, well-matured, good sized seed, treating the seed and spraying the foliage when necessary. The potatoes are very carefully handled when digging and barreling, that they may not be bruised or otherwise injured.

Our seed potato stock should not be compared with that of potatoes picked up on the market or offered by many who are not familiar with even the common sorts, hence **named at a guess, and sold for seed.**

EARLY ORDERS Everything points in the direction of a lively demand for Choice Seed Potatoes the coming season, and, while we have a fair stock in store at present, we would advise customers to **SEND IN ORDERS EARLY.**

All Transportation Charges Must be Paid by the Buyer. No Potatoes sent C. O. D.

Extra Early Ohio

OUR SPECIALTY.

Some early kinds will give edible potatoes about as early, but their tops will be green for days after the Extra Early Ohio's have ripened. It is two weeks ahead of the Early rose, and is a special favorite with farmers and marketmen, and the most profitable potato they can possibly grow. The sprouts are very strong, the vines grow erect, and are easy to cultivate, maturing early. It brings the highest price, and the land can be used for another crop: does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones—nearly every one marketable size; few eyes, which are even with the surface. With heavy manuring, **close planting** (they can be planted almost a half closer than most other kinds on account of their upright growing tops), and good culture, a very large and profitable yield can be expected—300 to 500 bushels per acre is not an unusual yield. This is our specialty in standard early varieties, but we are confident that many do not know a true Extra Early Ohio, and have grown some other sort for it, having been deceived in the purchase of the seed. We know ours are right, because the stock is the product of original headquarters seed. **Choice Northern Grown Stock—Half-peck, 30c.; peck, 50c.; 1/2-bus., 80c.; bus., \$1.50; bbl., \$4.00; 3 bbls., \$11.25. Special Prices on Larger Quantities.**

Photograph of a True Extra Early Ohio.

Extra Early Cobbler.

(Irish Cobbler.)

One of the most reliable first early potatoes ever sent out. It ripens almost with the Extra Early Ohio, and so uniform that every hill produces to ripen all at one time. The value of this feature will be at once apparent to the market gardener who always likes to dig the entire crop at one time and follow with a crop of something else from the same ground. The yield is very large for an early variety—equal to some of the late ones. Form oval and round (see cut), skin slightly netted, creamy white, and having few eyes, which are quite shallow—some even with the surface. Flesh pure white and of finest quality—not excelled by any early variety. Keeps perfect until spring, when it starts large, strong and vigorous sprouts. Its strong growth, earliness, uniformity, large yield, fine quality and very handsome appearance has brought the Cobbler **right to the front** as a profitable variety for the market or for home use. Half-peck, 30c.; peck, 50c.; 1/2-bus., 80c.; bus., \$1.50; bbl., \$4.00; 3 bbls., \$11.25.

Parties desiring 3 bbls. may order part of each of the above varieties if desired.

A LARGE POTATO SPECIALIST WRITES US ABOUT IRISH COBBLER.

"You can recommend Irish Cobbler very highly to anyone who wants a first-class early potato; and they are about as good as any I have late."

Mr. W. F. Harrison, Mercer Co., Pa., writes: "The Extra Early Ohio Potatoes from you were as fine as I ever saw and excited the admiration of all my neighbors."

Mr. W. W. Parsons, Huron Co., Ohio, writes, "I consider the Seneca Beauty Potato the best late variety in existence for this locality, and I have tried two hundred varieties in the past thirty years."

Extra Early Cobbler.

FOR THE NEW RUSTY COAT POTATO SEE PAGE 5.

Livingston's Banner Potato.

Introduced by us
in 1891.

The Banner is a seedling, and in the finest Main Crop White Potato on the market, and probably no variety ever introduced has made as good a record in so short a time with all classes of growers on all kinds of soil. None surpass it in UNIFORM HANDSOME APPEARANCE. Its slight russeted skin is of a light cream-white color. Its shape is a little oblong and slightly flattened (cooking through easily). The Eyes are very shallow. The Size is large and desirable, very few under market size. Always smooth and regular in form; strong and vigorous from the very sprout. A Great Drought Resister. As near blight and scab proof of any. The Flesh is very white, and whether boiled or baked has the same fine qualities. Season medium late. Choice Sorted Northern Grown Stock— $\frac{1}{2}$ -pk., 30c.; pk., 50c.; $\frac{1}{2}$ -bus., 80c.; bus., \$1.50; bbl., \$4.00.

LIVINGSTON'S

BANNER

Seneca Beauty Potato.

Introduced by us in 1889.

A grand good medium late potato, and too much has not been said in its praise. Its beautiful and distinct appearance sells it in any market, and its fine table qualities please all. The tubers are large and smooth, with few eyes close to the surface and of a beautiful pink color. Uniform in size and shape, scarcely any small ones. Vines rank and healthy, and loaded with beautiful blossoms. Good keeper and heavy cropper. Northern Grown Seed— $\frac{1}{2}$ -pk., 30c.; pk., 50c., $\frac{1}{2}$ -bus., 80c.; bus., \$1.50; bbl., \$4.00.

The Livingston Potato. Good Yields, Cooker and Keeper.

Plant grows with large stems, vigorous, upright and not subject to blight. Tubers of beautiful form, medium to large size, oblong and of uniform thickness. Slightly flattened. The fine peach-blow eyes are small and shallow; skin white and slightly russeted; all denoting highest quality. Cooks dry and has splendid flavor. Bul. No. 133 Ohio Exp. Station, gives the Livingston as one of the heaviest yielders and recommends it as of special merit for either market or home use, on basis of five year's test. Price— $\frac{1}{2}$ -pk., 30c.; pk., 50c.; $\frac{1}{2}$ -bus., 80c.; bus., \$1.50; bbl., \$4.00.

Hybridized Potato Seed.

We offer a very choice strain of Potato Seed, the product of numerous hybridizations between many of the best new and old varieties in cultivation. A Dollar Invested in this choice seed may make \$100 in two or three years. The grower is sure of several rare and valuable seedlings that any specialist will be keen to purchase at a good price. We frequently purchase promising Seedlings grown from seed purchase of us. Packets, 15c.; 2 pkts. for 25c.; 10 pkts. for \$1.00. Full directions for planting, cultivation, etc., on each packet.

Potato Seed Balls.

For Larger Quantities of above potatoes write us for Special Prices.

CURVED AND CONCAVE SEED POTATO KNIFE—Postpaid, 30c.; 3 for 75c.

New Jersey Grown Seed

SWEET POTATOES.

Carefully dug, handled, packed and stored over winter for us, expressly for sprouting purposes. We have been bedding and selling this stock for about 30 years and find the potatoes much drier and sweeter than those grown from Ohio or WESTERN GROWN SEED. We repack before shipping, but we wish it distinctly understood that Customers take ALL RISKS after we deliver in good condition to Express or Railroad Company here. Purchaser pays Express or Freight charges. We book orders any time but do not ship until about planting time. OUR BARRELS CONTAIN THREE BUSHELS, GOOD MEASURE.

No C. O. D. All Sweet Potatoes must be paid for before shipment will be made, as we will not send them cash on delivery.

PRICES QUOTED are about what will rule, we think, but as there is usually a shortage of good seed at planting time, prices here quoted ARE SUBJECT TO MARKET CHANGES after about March 1st.

"UP RIVERS." A Select Strain of smooth, short, "chunky" Yellow Jersey. Yields 25 to 50 per cent more marketable stock and sells higher than any other. Dry and sweet; decidedly the best eating potato of all. This is our specialty in "sweets," and we recommend it above all others. Pack, 50c.; $\frac{1}{2}$ -bus., 75c.; bus., \$1.40; bbl., \$3.75; 3 bbls., \$10.50.

YELLOW JERSEY, or Nansemond—Fine Old Favorite—Pack, 50c.; $\frac{1}{2}$ -bus., 75c.; bus., \$1.40; bbl., \$3.75.

EARLY CAROLINA—Bright yellow, fine grained. Desirable for Northern Sections. $\frac{1}{2}$ -pk., 30c.; pk., 50c.; $\frac{1}{2}$ -bus., 80c.; bus., \$1.50; bbl., \$1.00.

We will make Special Prices for Larger Quantities on application. If you bed out several barrels it may pay you to Write Us Before You Buy.

Sweet Potato Plants

Per 100, 60c. postpaid. By Express, not paid, \$1.00 \$2.50. Special prices on larger quantities.

FORTY YEARS' EXPERIENCE WITH SWEET POTATOES—By WALDO F. BROWN. The most practical and valuable book on the subject. Tells how to make beds, grow plants, set same, cultivate, harvest, store the crop, etc. It is the short cut for the beginner and a help to many old growers. Price, 20c. postpaid, or FREE with orders for a bushel or more of Sweet Potatoes, provided customers ask for it when sending their order.

New Rusty Coat Potatoes

will be found offered in our Novelty Pages in front part of this book.

Two Fine New Seedling Potatoes Offered on Third Page of the Cover.

LIVINGSTON'S

Selected Flower Seeds

Our Flower Seed List is carefully revised each season, bringing it right down to date on all new and standard varieties of merit and having distinct characteristics, so that if a reasonable amount of care is given to them, all will give good returns. Our aim is to supply nothing but the best and surest to please.

No garden, whether large or small, is complete without a flower bed of LIVINGSTON'S SELECT FLOWER SEEDS. Include a few packets with your Vegetable Seed order.

DIVISIONS OF FLOWERS.—Flowers are usually divided into Annuals and Perennials. Annuals are those that bloom and ripen seed the first year then die. Among these may be found Asters, Balsams, Mignonette, Poppies, Sweet Peas, Nasturtiums, Morning Glories, and many other very brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not disappoint you. Perennials are those that endure our Northern winters with little or no protection, and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started soon in the spring. Hollyhocks, Verbenas, Columbine, Calliopsis, Larkspur, Foxglove, etc., are popular in this class.

Many of our Flower Seed Packets give Cultural Directions.

DISCOUNTS ON PACKET FLOWER SEEDS.

For 25c.....	Select 6 Five-cent or 3 Ten-cent Packets
For 50c.....	Select 14 Five-cent or 7 Ten-cent Packets
For \$1.00.....	Select Packets to the amount of \$1.30
For \$2.00.....	Select Packets to the amount of \$2.75
For \$5.00.....	Select Packets to the amount of \$7.50

ALL FLOWER SEEDS ARE SENT FREE BY MAIL ON RECEIPT OF PRICE

Adlumia Cirrhosa Mountain Fringe, or Allegheny Vine.

An attractive and beautiful hardy biennial climber, flowering the first season; clusters of small rosy-lilac flowers and pale green feathery foliage; 15 feet..... Pkt. 5c.

Ageratum Valuable for large beds or borders, and very useful where cut flowers are in demand. Blooms the whole summer; also good for winter blooming. Easy culture, succeeding in any soil. Half-hardy annual.

Imperial Dwarf Blue—A fine plant for ribbon borders; 5 ins..... Pkt. 5c.

Imperial Dwarf White—Like above, but flowers are white..... Pkt. 5c.

Mexicaum—Lavender blue; 2 feet..... Pkt. 5c.

Princess Victoria Louise—A very pretty new dwarf Ageratum. The plants grow in little bushes, 4 to 5 inches high. The flowers are of the loveliest robin-egg blue with a white center, making a very pleasing contrast. A splendid plant for borders, ribbon bedding, etc. Very useful in combination with Sweet Alyssum. A profuse bloomer from early Summer until frost..... 3 Pkts. for 25c. Pkt. 10c.

Ageratum, Mixed..... 1/2-oz. 15c. Pkt. 5c.

Alyssum, Sweet.

The delicate honey-like fragrance of the flowers of this little plant, so much prized in bouquets, baskets and design work, renders it most unlikely that this old favorite will ever be cast aside. Easy culture. Blossoms all summer.

Sweet Alyssum—The well-known white variety; very sweet. 1 foot..... Oz. 25c.; 1/2-oz. 15c. Pkt. 5c.

Little Gem (also called "Carpet of Snow")—Very compact growth, 3 or 4 inches high, but a single plant will cover a space up to 3 feet in circumference. Grows quick from seed and will bloom when quite young. The abundance of flowers is simply enormous—300 blossoms having been counted on a single plant. Oz. 30c.; 1/2-oz. 10c. Pkt. 5c.

Golden Saxatile—A hardy Sweet Alyssum. Flowers brilliant golden-yellow, completely hiding the foliage. Plants about 1 foot high. Showy for permanent borders and beds..... Pkt. 5c.

SWEET ALYSSUM.

AGERATUM—PRINCESS VICTORIA LOUISE.

Amaranthus Remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background or as a center of beds. Seed may be sown in the open border, or in a hot-bed; transplant about the first week in June. Produces the most attractive and brilliant foliage upon poor soil. Transplant to 20 inches. Half-hardy.

All Kinds Mixed..... Pkt. 5c.

Ampelopsis A most beautiful climber, clinging firmly to the sides of a house or wall, and soon forms a most perfect mass. Gives excellent satisfaction.

Ampelopsis Vetchii, "Japanese Ivy" or "Boston Ivy"..... Pkt. 5c.

Anemone Queen Charlotte—An early-flowering variety. Of vigorous growth. Begins to flower in August, continues to bloom until November, and becomes more attractive each day. Flowers semi-double, broad, perfectly formed, and of a pleasing shade of silvery pink; reverse of petals pale lilac, also the unopened buds. The flowers spread out almost flat when fully developed, and the pure white contrasts beautifully with the light blue disk and projecting white stamens. Of very easy culture, the plants producing their splendid flowers most abundantly in constant succession from early Summer until Fall. On account of their long stems and lasting qualities they are fine for large vases as cut flowers..... 3 Pkts. for 25c. Pkt. 10c.

Antigonon (Mountain Rose)—Grand and effective when grown in a sunny spot; a climber; hardy, with slight covering..... Pkt. 5c.

Arctotis Grandis. The African Lilac Daisy.

A remarkably handsome new annual growing luxuriantly and forming branched bushes about 2 to 2 1/2 feet high. The leaves are soft and of a silvery-white shade. Its flowers are borne on long stems, and are from 2 1/2 to 3 inches across, being pure white on the upper surface with center of sky-blue; reverse of petals pale lilac, also the unopened buds. The flowers spread out almost flat when fully developed, and the pure white contrasts beautifully with the light blue disk and projecting white stamens. Of very easy culture, the plants producing their splendid flowers most abundantly in constant succession from early Summer until Fall. On account of their long stems and lasting qualities they are fine for large vases as cut flowers..... 3 Pkts. for 25c. Pkt. 10c.

Aristolochia Sipho Dutchman's Pipe—Vigorous growing climber with curious shaped purple-brown flowers and very large, heart-shaped leaves which have a tropical appearance; very effective for verandas. Hardy perennial; 15 to 30 feet tall..... Pkt. 10c.

AQUILEGIA—See Columbine.

ARCTOTIS GRANDIS.

Asters "Fall Roses."

This has become one of the most popular, beautiful and effective garden plants, growing from 10 to 24 inches high. For profusion of flowers and richness of display the Asters are unrivaled and constitute the principal adornment of our gardens during the autumn. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil about one foot apart, according to height of plants. Splendid for bedding, border and pot culture. Asters should be cut just before coming out in full bloom. A full spoon of plant food in a vase of cut bloom is beneficial. One of the leading cut flowers of the day, because very profitable.

LIVINGSTON'S SUPERB ASTERS.

DAYBREAK
ASTER.

passed, as it commands the highest price in

PURITY—Identical with Daybreak, except in color. Flowers of Purity are large, pure white, and, without doubt, the finest early white flowering Aster to date... Pkt. 10c.

QUEEN OF THE MARKET ASTERS.

After growing these for several seasons we pronounce it one of the most satisfactory of all; it is about two weeks earlier than most other Asters, a very profuse bloomer; of graceful habit. Its perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting. A favorite with those who grow for market.

Mixed Colors.....Pkt. 5c. Pure White—Splendid, Pkt. 5c.
Pink—Splendid.....Pkt. 5c. Dark Blue—Very fine.....Pkt. 5c.
Crimson.....Pkt. 5c. Light Blue.....Pkt. 5c.

QUEEN OF THE EARLIES—("Queen of Spring")—Resembles somewhat the Queen of the Market, but blooms about two weeks earlier; of low growth; good sized flowers on long stems. Said to be the earliest of all.

Mixed, all colors... Pkt. 10c. Pure White.....Pkt. 10c.

DWARF QUEEN—The finest of all Dwarf Asters—The bushy plants are about a foot high, and when well grown the flowers are large (3 to 3½ inches in diameter) and very beautiful. Excellent for pot culture and borders.

Mixed, choice colors, Pkt. 10c. Pure White.....Pkt. 10c.

PRINCE OF WALES—Of branching habit; the large flowers have long graceful stems; a deep crimson color. Very early... Pkt. 10c.

DWARF PYRAMIDAL BOUQUET—A magnificent dwarf variety; a single plant forms a complete bouquet of pyramidal shape, and covers itself with blossoms almost hiding the foliage. Fine for edging and small beds. Mixed, many distinct colors... Pkt. 10c.

GERMAN QUILLED—Well-known favorite and very distinct sort: a free bloomer; good for cutting. Mixed, finest varieties. Pkt. 5c.

OSTRICH PLUME—(See Cut)—A very beautiful class, similar, in style of bloom to Comet; of large size, 4 to 6 inches in diameter; petals long, wavy and twisted, producing a beautiful effect; plants of luxurious, branching habit, with flowers on long, slender stems. Valuable for beds or cutting.

Light Yellow New.....Pkt. 10c. Dark Blue—New.....Pkt. 10c.
Brownish Violet—New....." 10c. White—Very fine....." 10c.
Mixed, all shades....." 10c. Any 3 Packets.....25c.

OUR OWN MIXTURE—This mixture, including the cream of this list, with many others of the most beautiful and choicest varieties. Bound to please even the most critical. No mixture excels it. Extra Large Pkt. 20c. Regular Size Pkt. 10c.

BETTERIDGE'S QUILLED—Flowers have quilled-shaped petals; a very beautiful sort, having a great variety of colors. Mixed.....Pkt. 5c.

ANY THREE
10-CENT
PACKETS OF
ASTERS FOR
25 CENTS

THE POPULAR SEMPLE ASTERS.

SEMPLER'S ASTERS.

A choice strain of American-grown Asters, which has been brought to a high degree of excellence; of branching habit, producing many perfect flowers 4 inches in diameter on long stems; flowers very double and of purest colors; the strong, branching plants grow about 2 feet high. Immense quantities of this fine Aster are grown for the cut flower trade. Its large graceful flowers with long stems make it a prime favorite.

Pure White... Pkt. 10c. Lavender.....Pkt. 10c.
Shell Pink... Pkt. 10c. Fine Mixed.....Pkt. 10c.

Any 3 Packets Semple's for 20c.

UNLAND GLOBE ASTERS.

Pony-Flowered—Excellent; large flowering. Mixed Colors.....Pkt. 10c.

NEW ROSE—Magnificent flowers, in shape and size rivaling the finest roses. A great variety of brilliant colors, making a beautiful display. Robust habit; blossoms profusely, covering the plant; in perfection nearly a month; 18 inches high. Mixed.....Pkt. 10c.

OSTRICH PLUME
ASTER.

Asters

TRUFFAUT'S PEONY-FLOWERED PERFECTION.

Peony-Flowered Asters.

TRUFFAUT'S—Hard to surpass in size of flowers, brilliancy of color and habit of growth. Flowers of very large size and fine form, perfectly double, petals beautifully incurled. The colors are peculiarly rich and brilliant, and the refined form of flowers attracts great attention. 1½ to 2 feet. Mixed, many colors, Pkt. 10c.
Snow White, Pkt. 10c. **Dark Blue**, extra fine, Pkt. 10c.
Brilliant Scarlet, Pkt. 10c.
La Superbe, sky-blue, tipped white, Pkt. 10c.

THE VICTORIA
ASTER

JEWEL, or BALL—A magnificent Aster, with flowers measuring from 2½ to 3 inches across, round as a ball and borne on long stems. Very useful for cutting and bunching; about 24 inches high. A Mixture of several Choice Colors Pkt. 10c.

MICROW—An Aster of great beauty; resembles the Victoria class in habit of growth, but excels it in free blooming. Plants about 15 inches high; flowers of good size, reflex petals and very double. One of the finest for cut flowers.

Light Blue—Superb Pkt. 10c.
Pure White—None surpass it for cutting " 10c.

Peach Blossom—Very fine " 10c.
Mixed, New Shades " 10c.

SNOWBALL, or PRINCESS—A distinct Aster. Every plant produces about 30 pure white flowers, which are semi-spherical with short petals lying scale-like upon each other, resembling a Lilliput Dahlia flower. Its elegant, faultless shape makes it valuable as a cut flower Pkt. 10c.

GIANT WASHINGTON, or JUBILEE—Resembles the Victoria Aster, but flowers are much larger. Good for cut flowers and bound to please all who like tall-growing Asters with flowers of immense size. 2 feet. Mixed, many colors Pkt. 10c.

VICK'S BRANCHING—A favorite variety with branching character and fine, large flowers on long stems; excellent for cutting. 2 feet high. Mixed, Pkt. 10c. White, no finer, Pkt. 10c.

CROWN WHITE CENTER—Flowers of this beautiful class are two-colored. The center of each is pure white, with the petals of bright colors as crimson, carmine, blue, violet, etc.; full, double, of handsome shape. 1½ to 2 feet. Mixed colors Pkt. 10c.

CROWN RED CENTER—A very striking, pure white, large globe-shaped German Aster, with blood red center Pkt. 10c.

CROWN
WHITE
CENTER
ASTER.

Victoria Asters.

A very free bloomer. Flowers very large; beautifully fabricated. Plant pyramidal in form.
Peach Blossom Pkt. 10c. **Dark Blue** Pkt. 10c.
White, purest " 10c. **Mixed, all colors** " 10c.

VICTORIA NEEDLE—A remarkably free blooming variety, with large double flower, of a very unique appearance. The petals are curved and as round as a needles. Mixed, many colors Pkt. 10c.

DWARF VICTORIA—Dark Scarlet—One of the finest, and might well be called a fireball, on account of its brilliancy; perfect flowers are borne in great abundance on a neat bush about ten inches high. Effective in beds " 10c.
Mixed colors " 10c.

COMET, or POODLE ASTERS.

COMET—A grand new race of Asters. We have seen specimen flowers so large and so double, and having such long and beautifully curved petals as to be scarcely distinguishable from a Japanese Chrysanthemum. **Dark Blue** Pkt. 10c.
Pink, choice shade " 10c. **Carmine** " 10c.

White " 10c. **Lavender, light blue** " 10c.
Mixed, splendid variety of colors " 10c.

GIANT COMET—"Snow White"—Grand. Pure white. Flowers of immense size and of wonderful perfection Pkt. 10c.

GIANT COMET—"The Bride"—For elegance of form and delicate coloring is unequalled—color, at first, white, changing to a lovely pink, finally to a beautiful rose. For cut flowers hard to beat Pkt. 10c.

GIANT COMET—Pink. The pink of all Pink Asters " 10c.

GIANT COMET, Mixed—The above and several other good colors in proper mixture Pkt. 10c.

TRUE BLUE SEEDS

Fakes and frauds of all kinds come and go, but things of merit remain and **GROW IN POPULARITY**. We have never advertised our True Blue Seeds in terms of wild exaggeration, claiming impossible yields or qualities. It would not be true, and it has never been necessary. They tell their own story, and have made their own way. Our best advertising has been done by those who have bought and used

our True Blue Seeds, received satisfaction and told their neighbors about them. Our 50 years experience in seed growing and selling means a whole lot to careful seed buyers, as well.

Mr. W. F. Harrison, Mercer Co., W. Va., writes: "I believe I am benefitting my neighbors by inducing them to try True Blue Seeds. My father planted them for 25 years, and I expect to follow in his footsteps."

COMET ASTER.

CLIMBING LACE FERN.

charming little plant blooms in May, is a hardy perennial, delights in moist, shady situations and is much esteemed for its fragrance. Pkt. 5c.

Asperula, *Azura Setosa*—A profuse blooming dwarf hardy annual, with sweet scented lavender-blue flowers; 1 foot high. Pkt. 5c.

Abutilon Flowering Maple or Chinese Bell Flower—Undoubtedly the most beautiful plants for either pot culture or hanging baskets. Its beautiful green fern-like fronds grow 2 to 3 feet long; useful for bouquets; grows freely the year round. Pkt. (20 seeds) 10c.

Abronia Trailing plants; verbenalike flowers. Peel off husk before sowing seed. Very fragrant. In bloom a long time. Half hardy annual. Pkt. 5c.

Acroclinium An Everlasting. Grows 18 inches high, and bears a great number of rose and white daisy-like flowers with a yellow center. Gather the first day they open, and dry in the shade, to secure a bright center. Rose and White Mixed. Pkt. 5c.

Balsams

"Lady Slippers."

in a sunny position and frequently watered. Cutting out some of the side branches is also advisable, especially with the strong and bushy growing varieties. They can be pruned to any form desired. We have taken special pains to secure the most double and largest flowers in the most distinct and striking colors. Tender annuals.

LIVINGSTON'S PREMIUM BALSAMS.

Livingston's Premium Balsams.

Double Spotted—In splendid mixture. Pkt. 10c.
Double Camellia-Flowered—Best Mixed—Many kinds and colors. Pkt. 5c.
Double White Perfection—"Queen's White"—Flowers snow-white, round as a dollar, and of immense size. Pkt. 5c.
Camellia-Striped—Many colors. Finest Mixed. 1/4-oz., 20c. Pkt. 5c.

MAMIE BOYER, Franklin Co., Ohio.—"Your Premium Balsams are certainly very fine—just beautiful."

Balloon Vine "Love in a Puff"—A rapid growing pretty annual climber; delights in a light soil and warm situation; grows 10 to 15 feet; white flowers, followed by seed vessels about the size of an English walnut, and looks like many balloons, which, with its beautifully cut leaves and foliage makes a delightful porch screen. Pkt. 5c.

Asparagus PLUMOSUS

(Climbing Lace Fern)—One of the prettiest house plants. Leaves bright green, gracefully arched, surpassing Maiden Hair Ferns in grace, delicacy of texture, and richness of color. (See cut.) It is admirably adapted to house culture. Pkt. (10 seeds) 15c.

Sprengeri—(Emerald Feather), (Abyssinian Parrot Fern). This is one of the most beautiful plants for either pot culture or hanging baskets. Its beautiful green fern-like fronds grow 2 to 3 feet long; useful for bouquets; grows freely the year round. Pkt. (20 seeds) 10c.

Verticillatus—A beautiful climber having feathery foliage and scarlet berries. Hardy perennial. Pkt. (20 seeds) 10c.

Asperula Odorata-Waldmeister

This charming little plant blooms in May, is a hardy perennial, delights in moist, shady situations and is much esteemed for its fragrance. Pkt. 5c.

NEW GIANT WHITE SNAPDRAGON.

Antirrhinum

(SNAP DRAGON)—This is an old favorite border plant, with dark, glossy leaves and curiously shaped flowers, with finely marked throat. They have been much improved by careful selection, and are really magnificent flowers. Will blossom the first season from seed sown in the spring; grow quick and bloom all summer, but the blossoms will be much stronger the second season. Succeeds best in dry, loamy soil. Tender perennial. Choice Striped, mixed. 1/4-oz., 15c. Pkt. 5c.

NEW GIANT-FLOWERED—A very valuable variety, recently introduced, with flowers double the size of ordinary sorts.

Giant White. Pkt. 10c. Giant Striped. Pkt. 10c.
 Giant Red. Pkt. 10c. Giant Mixed. Pkt. 10c.

Any 3 Packets, 25 cents.

Brachycome

(Swan River Daisy).—Free-flowering dwarf plants, bearing a profusion of pretty Cineraria-like flowers; suitable for edgings, small beds, baskets or pot culture; half-hardy annual. Light Blue and White, mixed. Pkt. 5c.

Balsam Apple and Pear

Very curious vine with ornamental foliage; its large golden-yellow fruit is warty when ripe, opens, showing its brilliant carmine interior. Grows to a height of 10 feet. Balsam Apple and Pear, mixed 1/4-oz., 10c. Pkt. 5c.

BALSAM APPLE.

Begonias

Tuberous Rooted—Begonias are among the handsomest of our summer flowering bulbs. Very popular. Easily grown from seed if care is taken not to wash out the little seedlings when watering. Covered the whole summer with bright and elegant drooping flowers; seed should be started in February or March in pots of fine soil. As soon as the leaf appears prick off into flats or small pots filled with good loose soil. Slightly shade from direct rays of the sun and as near the glass as possible. In the fall take up tubers and store in the cellar same as Dahlias. Double, mixed—Very choice. Pkt. 25c.
 Single, mixed. Pkt. 20c.

Fibrous Rooted Begonias A most excellent class for indoor flowering, also good for outside in a partly shaded situation.

NEW VERNON—Plants medium size, compact and very hardy; easily grown; leaves glossy green margined with bronze; flowers rich, brilliant red, and borne in greatest abundance. A large bed of Vernon in the garden is the admiration of all. Pkt. 10c.

NEW VULCAN—One of the best bedding varieties, on account of profusion of bloom, beautiful foliage, and hardy growth, flowers intense fiery scarlet. Pkt. 10c.

REX BEGONIA—Large ornamental leaves of dark green, bronze, gold and red; grown for their variegated foliage; very desirable for house and garden decorations in shady positions, and well adapted for baskets. Mixed Pkt. 25c.

For Begonia Tubers, see Bulb and Plant List in back part of this book.

REX BEGONIA.

CENTAUREA.

Imperialis Alba,
Pkt. 10c.

American Alba—Grows to the height of about 2½ feet; a free bloomer of large flowers, in texture similar to fine cut tissue paper; quite fragrant, and of beautiful shades of lavender; excellent for cut flowers, lasting several days when cut. Pkt. 10c.

LIVINGSTON'S CHOICE MIXED BACHELOR'S BUTTONS—Our mixture contains all of above sorts and many others—a great variety. 3 pkts. for 25c. Large pkt. 10c.

GIANT FLOWERED CANDYTUFT.

CANDYTUFT. The Candytuft is among the most highly prized of garden flowers. Should be grown in masses. Sow seeds where plants are to bloom, in rows 6 to 8 inches apart, and thin out the plants to about 6 inches apart. The soil should be rich; keep the plants well watered; cut away some of the branches to increase size of flowers.

GIANT HYACINTH-FLOWERED—An improved strain, producing immense trusses of bloom, frequently measuring 6 ins. in length by 3 inches through; very similar in shape and size to the bloom of Dutch Hyacinths. Plants in bloom about 12 ins. The finest, large, well shaped trusses are produced on transplanted and pruned plants. Fine for hedging and cutting. Giant White. ½-oz. 20c.; ¼-oz. 15c.; Giant Pink—Beautiful flesh tint. ½-oz. 25c. Pkt. 10c.

GIANT FLOWERED DWARF—Flowers much larger than the common varieties and colors are more varied than in the Hyacinth-Flowered class. Plants form compact little bushes 4 to 6 inches in height. Especially fine for hedging. ½-oz. 15c.; Pkt. 10c. New Empress—Large heads of pure white flowers. ½-oz. 15c.; Pkt. 10c. White Rocket—Compact spikes. 1 foot. ½-oz. 15c.; Pkt. 10c. Odorata—Pure white, very fragrant. ½-oz. 20c.; Pkt. 10c. Dwarf Hybrids (Tom Thumb)—Of dwarf habit and perfect shape; abundant flower. ½-oz. 15c.; Pkt. 10c. Mixed Annual Sorts, all colors. ½-oz. 15c.; Pkt. 10c.

Calliopsis, or COREOPSIS—Very handsome, showy plants with numerous flowers of brilliant colors, of long duration in bloom, excellent for cutting. Of easy culture, growing rapidly, require no care, and thrive in any garden. Grows readily, and may be sown where plants are wanted to flower.

Tall Sorts, mixed. ½-oz. 20c.; Pkt. 10c. Dwarf Sorts, mixed. ½-oz. 20c.; Pkt. 10c. Coronata—Showy, large yellow flower. ½-oz. 10c.; Pkt. 5c. Golden Wave (Drummondii)—Bushy compact plants, covered all summer with bright golden flowers, with dark brown center, two inches across. ½-oz. 10c.; Pkt. 5c.

CALIFORNIA SUNBEAMS Grandiflora—These lovely improved varieties are much larger than any heretofore offered; the flowers are beautifully formed—some saucer-shaped, others flat, some exquisitely incurved, while others are like great buttercups. The petals are broad, with irregularly fringed edges. Some are very light yellow, others a deeper shade, darker around the eye. Plants hardy with some protection. 3 pkts. 25c.; Pkt. 10c.

Cyperus or Umbrella Plant—Grows finely in water with rich soil or mud. Graceful foliage plant; fine for vases or fountains; easily raised from seed; tender perennial. See also Plant Department. Pkt. 10c.

Centaurea.

Bachelor's Button,
Corn Flower, Blue Bottle,
Ragged Sailor, Etc.

Very old favorite hardy annual; flowers freely in almost any situation; for cut flowers they are largely used both in Europe and this country, a little hunch of the blue Corn Flower being a favorite bottomline.

Cyanus—The old-fashioned Bachelor's Button of our Grandmothers' Mixed colors. ½-oz. 15c. Pkt. 5c.

Blue Emperor—Fine rich blue Pkt. 5c.

Dwarf Victoria—Pretty globular bushes, dark blue flowers; pretty for edging or pots. Pkt. 5c.

Moschata (Sweet Sultan)—A sweet scented, profuse flowering, showy plant of easy culture, and very effective in shrubbery. Mixed. Pkt. 5c.

New Double—Many new and novel colors of large and usually double flowers in choice mixture. Pkt. 5c.

LARGE FLOWERING CENTAUREAS.

Imperialis (Giant Fragrant)—The flowers are of the same graceful form of Centaurea Margaret, but nearly double the size and much easier grown; blooms in great abundance from July until frost; highly fragrant. Last a week after cutting. Mixed colors. ½-oz. 50c.; ¼-oz. 15c. Pkt. 5c.

Imperialis Alba—White. ½-oz. 20c. Pkt. 10c.

New Margaret—Plant grows about 20 inches high. Its large flowers are of purest white, exquisitely fragrant, and produced in great abundance. Not quite so easily grown as Imperialis Alba, which we prefer using. Pkt. 5c.

Chameleon—Pale yellow on opening, turning to lilac, finally to a beautiful rose color. Fragrant and of large size. Pkt. 5c.

Odorata—Sweet scented. Large size. Light blue. Pkt. 5c.

WHITE LEAVED OR DUSTY MILLER CENTAUREAS.

These are planted for bedding or borders, not for bloom.

Candidissima—Silver-gray foliage. Grows 18 inches high. Pkt. 10c.

Gymnocarpa—Leaves silvery white. Grows 12 inches. ½-oz. 15c.; ¼-oz. 25c. Pkt. 5c.

Crotalaria Retusa West India Rattle Box.

A beautiful annual, low growing, profuse branching plant, every branch and branchlet ending in racemes 6 to 10 inches long, of beautiful, large, sweet pea-like, fragrant flowers, in color golden-yellow, except center, which looks like brown velvet; they are followed by clusters of smooth pods which contain seeds like a child's rattle, hence its common name. Pkt. 10c.

Calceolaria Adapted to pot culture in the greenhouse, producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape and richness of color.

Spotted and Self-Colored, finest mixed. Pkt. 25c.

SELF-COLORED—Flowers not spotted or marked. Mixed. Pkt. 25c.

Catchfly (Silene)—A showy, early, free-blooming annual of easy culture, growing in any garden soil. Colors red, white and rose, mixed. Pkt. 5c.

Calandula—Showy, free-flowering hardy annuals, growing in any garden soil, producing a fine effect in beds or mixed borders; bloom until frost. 1 foot. Mixed. ½-oz. 10c.; Pkt. 5c.

Grandiflora, mixed—New strain of large flowers, produced on bushy plants about one foot high. Very fine double lemon and orange colored flowers. ½-oz. 10c.; Pkt. 5c.

CALLIOPSIS GRANDIFLORA.

CANNAS FROM SEED

Few, if any, surpass the *Canna* as bedding plants for the American climate. Their bloom from seed the first summer if sown about March 1st. The flower spikes are produced all season, and, if well potted in the fall, they make a fine plant for winter blooming in the house. The outside covering of seed should be cut with a knife or filed, and then soaked in warm water several hours before planing. Plant in box of sandy loam and place in a hot-bed or warm window; when up to the second leaf transplant singly and hold until the weather is warm.

Large Flowering French Cannas.

VARIEGATA—New. Has strikingly beautiful green leaves, with splashes, stripes and borders of red and yellow. Fine crimson bloom.

..... Pkt. 10c.
Chas. Henderson—Deep rich crimson. Very fine Pkt. 10c.
Madame Crozy—Vivid vermilion-scarlet flowers with deep golden-yellow border Pkt. 10c.
CROZY'S FRENCH HYBRIDS—Early bloomers and remarkable for large size and beauty of both flower and foliage. Extra Fine Mixed, Pkt. 5c.
Crozy's Novelty Mixture—Seed saved by Mr. Crozy from his finest novelties of recent introduction. Oz. 50c.; 2 pkts. 25c. Pkt. 15c.
Crozy's Dark-Leaved Mixed—Very fine Oz. 25c. Pkt. 10c.

LARGE FLOWERING FRENCH CANNA.

..... Pkt. 10c.
Chas. Henderson—Deep rich crimson. Very fine Pkt. 10c.
Madame Crozy—Vivid vermilion-scarlet flowers with deep golden-yellow border Pkt. 10c.
CROZY'S FRENCH HYBRIDS—Early bloomers and remarkable for large size and beauty of both flower and foliage. Extra Fine Mixed, Pkt. 5c.
Crozy's Novelty Mixture—Seed saved by Mr. Crozy from his finest novelties of recent introduction. Oz. 50c.; 2 pkts. 25c. Pkt. 15c.
Crozy's Dark-Leaved Mixed—Very fine Oz. 25c. Pkt. 10c.

Canterbury Bells

Very ornamental garden plants of easiest culture. Beautiful large well-shaped flowers. 2½ feet high.
Double Annual Varieties, Mixed Pkt. 5c.
Single Annual Varieties, Mixed Pkt. 5c.
"Cup and Saucer"—This is a fine variety, producing plants with white and blue flowers resembling a cup and saucer. Mixed Pkt. 5c.
Carpatia—Free flowering, blue and white, continuing in bloom the whole season. Fine for groups and edgings. 6 inches. Hardy herbaceous perennial. Mixed Pkt. 5c.

SINGLE ANNUAL CHRYSANTHEMUM.

CYCLAMEN

These elegant greenhouse perennials have been vastly improved of late years. Our strain is selected from the improved sorts and is unsurpassed. Seed sown early will bloom the following winter.

Persicum—Finest colors mixed Pkt. 10c.
Giant Persian—Magnificent strain with large flowers and beautifully marked leaves. Mixed. Pkt. 25c.
NEW BUTTERFLY—(Papilio)—A striking novelty. Petals broad across the top with edge finely curled or waved. (See cult.) Mixed Varieties Pkt. 30c.

Cuphea Cigar, or Firecracker Plant—A pretty bedding or pot plant, known as Cigar Plant on account of its bloom resembling a lighted cigar; 1 ft Pkt. 5c.

Columbine

(*Aquilegia*)—Exceedingly showy, early blooming hardy plants, especially valuable for the peculiar formation of their flowers and the great variety of colors. Hardy perennial. Double, mixed. Pkt. 5c. Single, mixed Pkt. 5c.

DOUBLE COLUMBINE.

BUTTERFLY CYCLAMEN.

Canary Bird Vine.

A very desirable climbing plant growing rapidly to a height of 10 feet. Produces an abundance of bright yellow fringed flowers resembling a canary bird with extended wings Pkt. 5c.

Cobaea

A fine, rapid growing annual with handsome foliage and large, beautiful bell-shaped flowers. Seed should be started in a hot-bed or by a warm window in the house in rather dry soil. Place the seed edge down, and do not water unless in a warm place, and the soil becomes very dry. Flowers a beautiful deep violet blue Pkt. 5c.

Centranthus

The flowers are small and borne in clusters on light green, almost transparent stems. They form beautiful masses or borders. Excellent for bouquets and floral work. Hardy annual. Mixed colors Pkt. 5c.

CHINESE PRIMROSE—See *Primula*.

COREOPSIS—See *Calliopsis*.

Chrysanthemums

showy and effective garden favorites extensively grown for cut flowers. The annual varieties are Summer-flowering border plants; also good for pot culture.

ANNUAL VARIETIES.

Brilliant Crimson—Very showy; single flowers Pkt. 5c.
Golden Feather—White, banded crimson, inner ring canary-yellow, maroon eye; single flowers Pkt. 5c.
Single Annual—Finest mixed Pkt. 5c.
Inodorum Flore Pleno—Large double white flowers Pkt. 5c.
Double Annual—Fine-t mixed Pkt. 5c.
Double and Single Annual Varieties, finest mixed Pkt. 5c.

PERENNIAL VARIETIES.

The following varieties are for pot culture, for blooming in the house in winter. If sown early in the house, will bloom the first season.

Japanese Hybrids—Gorgeous autumn-flowering plants with twisted petals. The seed we offer is from a choice collection of named varieties and you are sure of getting some fine plants. **Double Superb Japanese, mixed** Pkt. 15c.
Frutescens (marguerite or Paris Daisy)—Pretty star-shaped single white flower. Pkt. 5c.
Maximum—An extra large free-flowering Daisy—four inches across—single pure white flowers with yellow centers; long stems, lasts a long time when cut. Hardy Pkt. 5c.
Princess Henry—New. Same as Maximum, but forms compact bushes only about 18 inches high Pkt. 10c.

For Chrysanthemum Plants see Plant List in back part of Book.

Cosmos

(Hybrids)—Cosmos is now one of the most popular flowers. It is of very rapid growth and makes large bushes five to seven feet high, which are a mass of elegant foliage. The showy flowers are borne on long stems in great abundance, are white, flesh-color, charming light pink and deep rose, each with a bright yellow centre. Both foliage and flowers are excellent for bouquets and vases. They are easily raised from seed, or grown from cuttings. When well started they should be set out to stand two feet apart.

DWARF EARLY DAWN, Large Flowering—This new variety comes into flower in July and continues a mass of bloom until cut down by frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth—about 4 feet. The flowers are very beautiful and large; petals broad; a very free bloomer; pure white, flushed with a delicate tinge of rose. 3 pkts., 25c. Pkt. 10c.

MAMMOTH PERFECTION—("Giants of California")—The flowers are double the size of any Cosmos yet offered, and of splendid substance; will last two weeks if placed in water as soon as cut. Giant Finest Mixed..... Pkt. 5c.

GIANT WHITE—Large pure white; very beautiful; valuable for florist..... Pkt. 5c.

GIANT PINK—Large delicate pink flowers..... Pkt. 5c.

Cockscomb

(*Colecia Cristata*)—Highly ornamental plants producing crested heads of flowers resembling a cock's comb. Flowers are of many colors.

and shapes, but the scarlet and crimson are the most brilliant and rich. Showy plants may be raised from seed planted in open ground in May. The offender they are transplanted, or shifted, the larger and more beautiful they grow. Should be 3 feet apart. Tender annual.

New Japan—The combs are delicately cut, while the colors are the brightest imaginable..... Pkt. 5c.

Queen of the Dwarfs—It grows only eight inches high; combs seven to ten inches across, of perfect form and of brilliant dark scarlet..... Pkt. 10c.

Glasgow Prize—Very dwarf; immense crimson combs; 1 foot. Pkt. 5c.

Golden Beauty—Golden yellow combs; plants only one foot..... Pkt. 5c.

Dwarf—Choice mixture of all sorts and colors..... Pkt. 5c.

Ostrich Plume

(*Colecia Plumosa*)—Handsome brachycephalous plants, about 2½ feet high. With long, graceful feathery plumes. **Crimson Plumed**..... Pkt. 5c.

Orange Plumed..... Pkt. 5c.

Mixed Colors..... Pkt. 5c.

Coleus

Beautiful ornamental foliaged plants, both for hot-houses and bedding out during the summer in sheltered places not exposed too much to the sun. The broad, oblong, slightly dentated leaves being of a deep crimson-brown color, edged with green and yellow, or salmon, or mottled in a picturesque manner.

COLEUS.

Extra Fine Hybrids—A mixture made up of the finest and showiest varieties possible to obtain from special sources..... Pkt. 15c.

Fine Quality Mixed Hybrids..... Pkt. 10c.

New Large Leaved "Fringed Coleus"—Leaves are extremely large, singularly variegated, deeply cut, lacinated; fringed. Colors and markings are new and fine..... Pkt. 15c.

Ida B. Goodyear, Cumberland Co., Pa., writes: "Your seeds have always pleased me so well that I cannot do without them. Am sure of nice flowers every time I sow them."

CLEMATIS JACKMANII.

Clematis

A well known and admired, rapid growing, free-flowering ornamental climber. No flower has more rapidly advanced in popular favor than the Clematis. Within a few years it has become the popular favorite climber of the world. For pillars, trellises or planting about rock-work Clematis cannot be excelled. Seed should be sown in the fall or winter in shallow boxes in the usual way. They will generally lie dormant, even in the green-house, but germinate on the approach of spring. When an inch or two high, transplant into boxes or small pots preparatory to planting in open ground in May. Hardy perennial.

Clematis, Large Flowering, Mixed, (Jackmanii)—Flowers 3 to 4 inches across, of charming shades of blue, white, purple, etc..... Pkt. 10c.

Paniculata—A fine climber; abundantly covered from top to bottom with pure white, fragrant flowers, and pretty, red seed-pods. Excellent Plant for Cemetery Use. Pkt. 10c.

Cineraria

A favorite free-flowering greenhouse plant of wondrous beauty, with flowers of great richness and diversity of color; it blooms during the winter and spring months and can be planted out in summer. They thrive best in a mixture of loam and peat.

LARGE FLOWERING HYBRID—Choicest prize varieties mixed..... Pkt. 20c.

Mrs. A. Cunningham, Richland Co., Ohio, writes: "The seed ordered came promptly to hand. Many thanks for extra packets. The Moon Flower and Pansy plants came to-day and now look perfectly at home in the nice bed where planted."

GIANT COSMOS.

Convolvulus Minor.

(Dwarf or Bush Morning Glories)—Beautiful and showy plants, producing an abundance of richly colored flowers, and in fine weather the flowers remain open all day. They bloom from July until autumn. Hardy annual.

Mauritanicus—A beautiful trailing plant for hanging baskets, etc. Handsome blue flowers with white throat..... Pkt. 5c.

Crimson-Violet—White, with crimson-violet margin..... Pkt. 5c.

Striped—White, striped blue; a beauty..... Pkt. 5c.

Choice Mixed—Many varieties. Oz. 15c..... Pkt. 5c.

CONVOLVULUS MAJOR. See Morning Glory.

CYPRESS VINE.

Cypress Vine

Ipomoea Quamoclit. This is a most beautiful climber, with delicate, dark green, leathery foliage, and an abundance of bright star shaped scarlet, rose and white blossoms, which in the bright sunlight, present a mass of beauty. Planted by the side of a veranda, tree or stake, and trained properly, nothing is prettier. The seed will sprout more readily if water is poured on the ground after sowing.

White..... Pkt. 5c.

Scarlet..... Pkt. 5c.

Mixed..... Pkt. 5c.

IVY LEAF—Fiery scarlet flowers; heart-shaped leaved..... Pkt. 5c.

CINERARIA.

LARGE FLOWERING—Second quality. Very good..... Pkt. 15c.

DWARF—Splendid mixture, 8 inches..... Pkt. 25c.

MARITIMA (Dusty Miller)—Fine silvery white foliage; used extensively for ribbon planting, hanging baskets, vases, decorative pot plants, etc. Perennial, but usually grown as an annual. 1 foot. Pkt. 5c.

CHABAUD OR
EVERBLOOMING
- CARNATION.

Carnations.

or in open ground; protect during winter. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi-double flowers.

Carnations and Picotees, all classes, extra fine, mixed—Of unrivaled quality, large size and certain to give satisfaction to the most critical. Pkt. 25c.
Perpetual or Tree Carnation—Double, choicest colors, mixed Pkt. 25c.
Picotee—Fancy Double, mixed Pkt. 25c.
Scarlet Grenadin—Dwarf and compact; brilliant double scarlet; early Pkt. 10c.
Finest Mixed—Saved from the finest double named flowers Pkt. 15c.
Fine Double, mixed—A small percentage will come single Pkt. 10c.
Early Flowering Vienna—For open ground. Choice Double, mixed, all colors Pkt. 10c.

New Margaret

The flowers are of perfect form, large and very sweet scented. The brilliant colors range through many beautiful shades of red, pink, white, variegated, etc. Those sown in the spring commence flowering in early summer and continue to bloom much frost, and if taken into the house will flower all winter. For winter flowering, however, it is better to sow later in the season. Free bloomers, quite dwarf, much branched, compact, stand upright without support. Mixture of choice colors. Pkt. 5c.
Giant Margaret—A new and improved large flowering strain, often measuring 2½ to 3 ins. across Pkt. 10c.

CHABAUD, or EVERBLOOMING—Another new strain that comes into bloom with the Margaret, of large size, fine range of colors, very sweet scented, long wiry stems. Very desirable. 2 pkts. 25c.; pkt. 15c.

Daisy, Double.

spring and may be made to flower later by the use of water. Plants can be removed safely, even when in flower. Tender perennial. 6 inches. Pkt. 5c.
Double White—Very fine Pkt. 5c.
Longfellow—Very double dark pink flowers; of unusual size. Pkt. 10c.
Snowball—Large and very double pure white Daisy. Flowers on long stems. Excellent for cutting. (See cut.) Pkt. 10c.

Dahlias

FROM THE SEED. Many are not aware that seed sown in the spring will bloom beautifully the first summer, and prove satisfactory. From one or two papers of our seeds many plants can be raised, which will be of the greatest variety of colors, fully equal to many of the finest named sorts. Seeds germinate quickly and easily, and plants grow rapidly. We would advise starting seed under glass and transplanting to the garden in good rich soil the last of May, where they will grow with surprising rapidity, and bloom early. When not convenient to sow under glass, sow in ground as soon as warm.

Double Large Flowering—From select flowers. Extra choice, mixed Pkt. 10c.
Double Large Flowering, fine mixed Pkt. 10c.
Double Pompon—Small flowered. Extra choice, mixed Pkt. 10c.
Double Pompon—Small flowered. Good mixture Pkt. 5c.
Tom Thumb, Dwarf—Sown early, in the house, they will bloom all summer and late into fall. Very fine; double. 18 inches. Superb mixture Pkt. 10c.
Cactus Dahlia, Double—Distinct and beautiful. Worthy of general cultivation. Finest mixed Pkt. 15c.
COLLERETTE—This new type of Dahlia possesses around its disc a series of florets, producing a highly ornamental effect, hence the name, "Collerette." The flowers are of various and unexpected colors. The proportion of plants which come true is very good. (See cut.) Pkt. 15c.
Striped and Spotted, Single—New and very beautiful, with finely cut foliage and large single flowers of perfect form and brilliant colors. Mixed Pkt. 5c.
Tom Thumb, Single—Very dwarf—about 12 inches. Splendid colors Pkt. 10c.
Single Flowered, mixed colors—A great variety Pkt. 5c.
LIVINGSTON'S MIXTURE—Many fine colors and shades. A splendid chance to get a large number of varieties for a few cents 2 pkts. 25c. Pkt. 15c.

Dahlia Roots see Plant and Root List in back of this Book.

COLLERETTE DAHLIA.

SNOWBALL DAISY.

Datura.

TRUMPET FLOWER—An attractive plant with large foliage, and of vigorous growth, producing a succession of large trumpet-shaped flowers, larger than a Calla Lily, and having a faint perfume. 2½ feet.

Cornucopia—Horn of Plenty—A magnificent variety with dark purplish stems. The flower is immense, 7 to 9 inches long, 5 inches wide at the mouth, and conical, having three cones, one within the other, each with spreading wavy margins. Color is fine purple-white, the former predominating outside, and the latter within throat and tube of the flower ¼-oz. 10c. Pkt. 5c.

Wrightii—Large single white Pkt. 5c.
Double Golden—Brilliant yellow flower of immense size, very showy and fragrant; double; bushy plant; 2½ feet Pkt. 5c.
Double White Pkt. 5c.
Double Purple Pkt. 5c.
Pastoussi—Fine double. Mixed colors ¼-oz. 10c. Pkt. 5c.

Digitalis.

"Foxglove" or "Witches Fingers." Ornamental hardy border plants, of easy culture, having long spikes of showy flowers. 3 to 5 feet. Mixed colors Pkt. 5c.
Spotted Varieties—Very beautiful flowers. Mixed Pkt. 5c.
Monstrosa, mixed—Large spikes of novel and beautiful flowers. Pkt. 5c.

Echeveria

(Hen and Chickens—These seedlings will furnish a real surprise, for few people have any idea of the great variety, both in shapes and colorings, that are found among the Echeverias. Easily and cheaply grown from seed. Many Varieties mixed. 3 pkts. 25c. Pkt. 10c.

DATURA CORNUCOPIA.

FIREBALL PINK.

Fireball New.—Flowers are of the most brilliant scarlet or any in the double-flowering section of Indian Pinks. The thickly branching plants are very brilliant with their shining fiery red blossoms. Fine for bedding or cut flowers. Pkt. 5c.

DOUBLE STAR PINK—Another fine new double pink of the Hedewigil class, having beautiful star-shaped petals in a great variety of shades and solid colors. Pkt. 5c.

Chinensis (China or India Pink)—Superb varieties; double. Mixed Oz. 30c.; pkt. 5c.

Dianthus Pinks.

Annual Pinks—Beautiful class of hardy Pinks that flower freely the first season. Sow in a hot-bed, transplanting dwarf varieties six inches apart. If not kept too warm they are useful house plants. The Double varieties produce flowers as large as the Carnation or Picotee. They are hardy annuals that bloom the second season also if not allowed to bloom too freely the first. One foot high.

DOUBLE ANNUAL PINKS.

Laciniatus (Double Fringed Japan)—Magnificent flowers, very large, petals deeply serrated and beautifully striped. Pkt. 5c.

Hedewigil (Double Japan Pink)—Very beautiful double flowers; mixed colors. ½-oz. 20c.; pkt. 5c.

Mourning Cloak (White Frill)—A splendid variety, with very double large flowers of rich purple maroon, each petal edged with a margin of pure white; very fragrant. Pkt. 5c.

Diadematis (Double Diadem Pink)—Large flowers of dark shades, marked with white and black; very rich. ½-oz. 20c.; pkt. 5c.

Imperialis (Double Imperial Pink)—Choice colors. Mixed. Pkt. 5c.

Alba Flore Pleno (Snowball)—Double white, fringed flowers; fine. Pkt. 5c.

The Bride (Little Gem)—A charming new white with rich purple center; very pretty. Pkt. 5c.

Double, mixed—Many choice kinds. Large pkt. 10c. Regular pkt. 5c.

ROYAL PINKS.

SINGLE ANNUAL PINKS.

Crimson Bell—Very large, single, brilliant dark red flowers. Pkt. 5c.

Eastern Queen—Magnificent single flowers 2 to 3 inches across; striped and stained. Pkt. 5c.

Hedewigil, mixed—Flowers 3 ins. across; rich, beautiful colors. Pkt. 5c.

Laciniatus, mixed—Flowers very large, often 3 inches across; petals very deeply fringed; beautifully colored. Pkt. 5c.

SALMON QUEEN—New. Tints distinct from all others; brilliant salmon; finely formed; nicely fringed. Pkt. 10c.

Euphorbia Strong growing annuals suitable for heds of tall growing plants or mixed border; the flowers are inconspicuous; the foliage, however, is very ornamental.

Variegata (Snow on the Mountain) Attractive foliage, veined and margined with white; 2 feet. Pkt. 5c.

Eschscholtzia

(California Poppy)—Summer-flowering annuals with very showy flowers. Sow where wanted to bloom. Thin to 6 inches apart. Bushy plants one foot high. Easily grown. The large, brilliant saucer-shaped flowers are produced in great profusion.

ROSY MORN—A distinct new shade, now practically fixed, of an entirely new form. The rosy white petals are delicately channeled or duted with tiny folds radiating from the center and richly adorned with a soft primrose-yellow hue. Pkt. 10c.

Finest Single, mixed ½-oz. 10c.; pkt. 5c.

Double, mixed Pkt. 5c.

ROSY MORN ESCHSCHOLTZIA.

"I have used your seeds for fifteen years, without missing a single year, and have always found them good. Who can show a better record?"

IDA FERGUSON, EDGAR CO., ILLS.

PHEASANT'S EYE PINK.

(California Poppy)—Summer-flowering annuals with very showy flowers. Sow where wanted to bloom. Thin to 6 inches apart. Bushy plants one foot high. Easily grown. The large, brilliant saucer-shaped flowers are produced in great profusion.

Forget-Me-Not (Myosotis)—The Forget-Me-Not is an old favorite plant, bearing clusters of star-shaped delicate blue flowers with white and yellow eyes. Flourishes best in a moist, shady situation, and is in bloom almost the whole season. Blooms the first year from seed if sown early. Seed sown in autumn succeed best, flowering in early spring; hardy perennial.

Alpestris—Bright blue, free flowering. Pkt. 5c.

Alpestris, Alba—Pure white. 6 inches high. Pkt. 5c.

Robusta—Large, sky-blue, clear yellow eye; distinct; very fine. Pkt. 5c.

Semperlorens—Charming dwarf variety; thrives in sun or shade; covered from early to late with beautiful blue flowers. Pkt. 5c.

Mixed Kinds Pkt. 5c.

Too well known to need description. They thrive best in peaty, sandy soil, and moist, shady positions in the garden in summer. The seed is a little slow to germinate. Sow very shallow, barely covering the seed with fine soil.

Birdy Mixture—Collection of best kinds for out-door culture. Pkt. 15c.

Mixture, for greenhouses, not hardy Pkt. 25c.

Fuchsia

Fuchsias are as easily grown from seed as cuttings, and from seed many new varieties are obtained. They will flower freely the first year on open ground, while the plants can be taken into the house in the winter, where they flower still more freely. **Finest Single and Double Varieties, mixed** Pkt. 15c.

Four O'Clock

Marvel of Peru (Mirabilis)—Old fashioned, but beautiful. Plant is bushy; 2 feet high, and bears hundreds of funnel-shaped white, red and striped flowers; very fragrant. Sow in open ground in any good garden soil. Hardy annual. **Variegated**—Gold striped foliage, brilliant flowers. Pkt. 15c.

Tom Thumb Dwarf—Handsome bushy little plant 1 foot high, filled with flowers. **Mixed colors** Oz. 15c.; pkt. 5c.

Mixed colors Oz. 10c.; ½-lb. 29c.; pkt. 5c.

Freesia

Very easily grown bulbs, readily produced from seed and blooms the first season. Flowers pure white with yellow throat, and exquisitely fragrant. Pkt. 5c.

SPRAY OF FREESIA BLOOM.

Fountain Grass Purple—An ornamental grass of graceful habit, producing long heads of beautiful purplish bloom resembling small Pampas Plumes. This grass is of special service as edging for Canna beds or other plants growing not less than 2½ feet in height Pkt. 10c.

Gaillardia

GRANDIFLORA—Splendid hardy perennial, blooming first season. Seed saved from the finest flowers. Very large flowers, often 4 inches in diameter; dark crimson centers, marked with rings of many brilliant colors. In bloom constantly throughout the summer. They form beautiful vases, lasting for many months. Pkt. 5c

Grandiflora Compacta—A new compact variety of the hardy perennial Gaillardia, forming a round bush about 12 to 15 inches in height, and bearing its long-stemmed flowers perfectly upright. Last a long time after cutting. The rich orange and scarlet flowers are of large size, profusely produced from June to Autumn. Pkt. 5c.

Grandiflora Semi-Plena—Large flowering, same as above sorts, but about sixty per cent come semi-double. 2 pkts. 25c.; pkt. 15c.

Single Flowering Varieties—Many brilliant colors—orange, crimson, scarlet, and often two or more of these shades blended in the same blossom; very rich. Pkt. 5c.

Lorenziana—Beautiful and distinct in appearance; flowers very double, round as a ball; finely fringed; borne on slender stems; come early and bloom until frost. Double, finest mixed. Pkt. 5c.

Geraniums

FROM SEED—The soil best adapted to starting Geranium seed is light and sandy. Sow in the house quite early so as to get into bloom the first summer. Transplant as soon as large enough into small pots or boxes giving more room. Set out in the garden as soon as the weather will permit. It is a pleasure to grow Geraniums from seed, as you not only get a great many varieties, but very often some that are entirely new. We offer some of the finest mixtures. They are certain to give satisfaction.

Zonale—Mixture of largest and finest sorts. Pkt. 10c.

Double Varieties, mixed. Pkt. 25c.

Variegated Leaved—Bronze, Gold and Tri-Color sorts. Pkt. 15c.

Lady Washington—Pelargoniums. Splendid mixture. Pkt. 20c.

Apple-Scented—Fragrant. Pkt. 10c.

Gladiolus.

Magnificent plants with sword-like leaves and long spikes of flowers of every conceivable color and shade. Now and rare varieties are produced from seed. Half-hardy perennial. A splendid mixture. Pkt. 10c.

Gilia A familiar and popular garden plant with finely cut and delicate foliage, producing dense globular heads of clustered blossoms. Beautiful foliage and flowers. Sow in masses early in spring in good soil. Hardy annual. One foot. A splendid mixture. Pkt. 5c.

Gloxinia The Gloxinia is a grand pot-plant of unrivaled beauty; as easily grown and cared for as many of the common flowers. They are of large size, beautiful shape and profuse bloomers, the colors ranging from pure white to dark blood-red, pink, lavender, indigo-blue, marbled and spotted. Flowers will last, in water, when cut, two weeks. Our splendid mixture, of best kinds, is unsurpassed. Pkt. 25c.

Godetia An attractive and very beautiful hardy annual. The profuse flowering plants are covered with handsome shaped flowers of beautiful and delicate colors. Deserving of extensive cultivation; a child can grow them in almost any good garden soil. Fine mixed, many sorts and colors. Pkt. 5c.

Gourds Small Ornamental Sorts—A great variety of curiously formed and marked fruits. The vines are of rapid growth, with luxuriant foliage; adapted for covering screens and arbors. 10 to 15 feet high. Mixed, many beautiful kinds. Oz. 40c. Pkt. 5c.

SEE VEGETABLE SEED LIST FOR NAMED VARIETIES OF GOURDS.

LIVINGSTON'S EXTRA FINE MIXTURE OF GOURDS.

GAILLARDIA GRANDIFLORA.

Globe Amaranth "Everlasting"—An or immortal; also ornamental summer-blooming plants; good for cutting as trees' flowers. Annual. 2 feet. Double, mixed colors. Pkt. 5c.

Dwarf Double, mixed—Very compact. Pkt. 5c.

Grevillea Robusta "Silk Oak"—A beautiful and graceful foliage; highly valued as decorative plant for the table. Easily raised from seed. Pkt. 10c.

Gypsophila A plant that should be in all pretty in beds but there is no other plant that lends more daintiness to bouquets of whatever kind. The delicate little flowers and branching foliage can be used with effect. Blooms dry nicely and can be used in winter bouquets as well.

Paniculata "Baby's Breath"—A graceful hardy plant; flowers in feathery white panicles. 1½ feet. Pkt. 5c.

Heliotrope Everyone loves the delightful fragrance and beauty of the Heliotrope, but very few are aware of the fact that it can be raised from seed as easily as Verbena.

Seed sown in open ground, plants will flower in August, while a fine display can be had earlier by starting seed in the house and setting out the plants when the weather is warm.

Boule de Neige (Snowball) Pkt. 10c.

Dr. Livingston—Very fine dark blue. Pkt. 10c.

Grandiflora—New. Giant flowered; about double the size of the old sort; trusses are very large. Pkt. 10c.

Choice mixed, Dark Flowering Sorts—Fine. Pkt. 5c.

Fine Mixture—Light and dark shades. Pkt. 5c.

Hardy Garden Heliotrope—See Valeriana. Pkt. 5c.

HELIOTROPE.

when the weather is warm.

Hibiscus

A branching plant of the easiest culture, with very pretty foliage and large flowers; exceedingly showy; continue to bloom from June to October. Sow seed early. Hardy annual.

Africanus—Flowers creamy-yellow with purple center. Pkt. 5c.

Crimson Eye—The beautiful white flowers, with deep crimson centers, are of immense size, often 6 to 7 inches in diameter. Succeeds anywhere and blooms profusely. Pkt. 10c.

Hyacinth Bean (Dolichos Labrad)—A splendid annual climber, with abundant clustered spikes of purple and lilac flowers which are followed by exceedingly ornamental seed pods. Of rapid growth, climbing 20 feet in a season. Stands heat of summer very well.

Princess Helen (Daylight)—Flowers snow-white, sweet scented, followed by cream-colored pods which hang to the plants until late in the fall. Blooms profusely. Pkt. 10c.

Purple Soudan—Blooms earlier than the common variety. Stems are of intense purple color, and the beautiful long flowers are a beautiful rose, beautiful dark foliage, dark red seed pods. Pkt. 5c.

Common, mixed Oz. 10c.; ½ lb. 25c.; pkt. 5c.

HYACINTH BEAN.

DOUBLE HOLLYHOCK.

Hollyhock The Hollyhock, in its present state of perfection, ranks with the Dahlia, Aster, etc. For a background to the flower-garden, perhaps no plant is so useful; the flowers are as double as a rose, of many shades of color. Once started they keep coming year after year. The seed we offer has been saved from the best collections.

New Fringed Mammoth Double, ALLEGHENY.

A decidedly improved variety. Its fine, transparent, fringed flowers look as if they were made up of crushed silk, and are from 5 to 7 inches across. The flowers drop from the stem as soon as they fade, doing away with any ragged appearance. Colors—shell-pink, rose, ruby-red, etc. A plant filled with the flowers is very handsome. Perpetual bloomers. Every bud to the top of the stalk opens into a perfect flower, lasting from July until frozen. Pkt. 10c.

SUPERB DOUBLE VARIETIES.

Pure White 10c. Pink 10c.
Faust, Black, edged white. 10c. Lemon Color 10c.
Extra choice, mixed 10c. Good Mixture 5c.

Any Three 10-cent Packets of Hollyhocks for 25 cts.

Helichrysum Large, double everlasting flowers, in colors ranging from bright yellow to scarlet, shaded and tipped, also pure white. Very desirable as dried specimens, and exceedingly handsome for winter bouquets. Sow in open garden and thin the plants to one foot apart each way. Hardy annual.

Large Flowering Double, mixed—Rich mixture. Pkt. 5c.
Dwarf mixed—Many choice Dwarf kinds. Pkt. 5c.

Humulus Japonicus (Japanese Hop)—A splendid annual climber for rapidly covering arbors, walls, terraces, etc. The foliage is large, dense and deliciously green, palmate and deeply lobed. Pkt. 5c.
Variegated—New. Same as above, but has leaves beautifully variegated with white, light and dark green. Pkt. 5c.

Ice Plant A singular plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots and transplant into light, sandy soil in a warm situation. Tender annual. Pkt. 5c.

Impatiens (Zanzibar Balsam)—This plant is of compact, neat habit of growth, and almost a perpetual bloomer. Planted out in the open air at the end of June it grows luxuriantly, flowers with the greatest profusion. Beautiful plant for window culture in window. Tender perennial. 1 foot. Pkt. 10c.

Sultan—Bright rose Pkt. 10c.
Hybrid—Finest mixed Pkt. 10c.

Job's Tears An ornamental grass, which, when dried and tastefully arranged with everlasting flowers, makes an attractive winter bouquet. The seeds may be strung like beads and make a nice plaything for baby. Hardy annual. 1 to 2 ft. Pkt. 5c.

Kenilworth Ivy A hardy and pretty little climber for covering rock-work, and very useful for hanging baskets, vases, etc. Placed in a shady location, it is very easily grown. Hardy perennial. Pkt. 10c.

Lupinus (Sun Dials)—Strong growing garden annuals with graceful spikes of rich and varied colored flowers, useful for mixed beds and borders. 1½ to 3 feet high. Finest mixed colors Pkt. 5c.

Lantana Popular free-blooming and very rapid growing plants with large flower heads of various colors which emit a powerful aromatic perfume, and are continually changing their color. During the summer plants are completely loaded with blossoms, succeeded by berries, which, when ripe, turn deep blue. Start plants in the house or hot-bed; protect from frost; tender perennial. Finest mixed Pkt. 5c.

Larkspur (Delphinium)—The Larkspur is one of the handsomest and most useful plants and will bloom in the driest season with surprising persistency. The brilliancy of some of the colors is unsurpassed.

HARDY ANNUAL SORTS.

New Chinese—Hardy; of great beauty; produces handsome flowers; plant increases in size each year. Finest mixed colors Pkt. 5c.
Double Dwarf Rocket—12 inches 10c.; Pkt. 5c.
Double Tall Rocket—Finest tall-growing kinds. Mixed, ½-oz. 10c. Pkt. 5c.
Tall Stock—Spikes of double flowers 18 inches long; very beautiful; branching; 2 feet. Many brightest and best colors. Good for cutting. Finest mixed. Pkt. 5c.
Emperor—Compact and profuse bloomer; perfectly double flowers in delicate colors; splendid. Mixed Pkt. 5c.

BEST HARDY PERENNIAL SORTS.

Formosum—Rich dark blue flowers; long spikes; fine for cutting. 2 feet Pkt. 5c.
Choice mixed—Comprising a wide range of shades and colors—White, Pink, Blue and Purple Pkt. 5c.

Lobelia Exceedingly pretty profuse blooming plants of great value to the flower garden; their delicate drooping habit and profusion of charming little flowers render them ornamental.

Crystal Palace—Compact; dark blue; excellent for edging. Pkt. 5c.
Emperor William—A very intense blue flower; one of the best Pkt. 5c.
White Gem—Dense balls of pure snow-white flowers 18 inches high Pkt. 5c.
Gracilis—Fine for hanging baskets, vases, etc.; light blue; trailing Pkt. 5c.
Finest mixed, compact varieties, many colors Pkt. 5c.

Lychnis But few plants produce such bright bloom and so continuously; hardy perennial, but they bloom the first season from seed.

Haageana Hybrid—Of bushy habit, and have a wide range of colors, from white to scarlet and pink. Finest mixed. Pkt. 5c.

Marigold A well known plant with handsome flowers of rich and beautiful colors and neat, compact green foliage, producing a splendid effect in almost any situation. Half-hardy annual.

Legion of Honor—"Little Brownie"—Prettiest and handsomest of all Dwarf Marigolds. Bloom from beginning of summer until late in the fall. Flowers a beautiful rich golden-yellow marked with large blotches of velvety brown. 1 foot Pkt. 5c.
Tall African, mixed—Many double varieties. Effective for masses. Yellow and orange flowers. Grows 18 inches. ½-oz. 15c. Pkt. 5c.
French Dwarf, Double mixed—Compact; very double flowers. Brown, orange red and striped. One foot high. ½-oz. 15c. Pkt. 5c.

Moonflowers.

Evening Glories, Ipomoea, etc.—Climbers of rapid growth, with beautiful, large, variegated flowers, for covering of walls, trellises, arbors or stumps of trees they are invaluable.

Northern Light—The earliest blooming of all Evening Glories. Its lovely pink, lavender colored flowers are about 2 inches in diameter, large, handsome foliage; a great drought resister; rampant growers from the very start. Pkt. 10c.

Brazilian Morning Glory—Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July until frost. Leaves 8 to 12 inches across. As a quick growing vine and dense shaver it is not excelled. Hard to bend for covering trees, porches, etc. Pkt. 10c.

Coccinea—Small scarlet flowers in profusion. Also known as the Star Ipomoea. Pkt. 5c.

Bona Nox (Evening Glory)—Violet; large fragrant flowers, expanding in the evening. Pkt. 5c.

Heavenly Blue (Rubra-Cerulea)—Immense bright sky-blue flowers; very beautiful. Pkt. 10c.

MOONFLOWER—White Seeded—(Ipomoea Notiflora)—The variety most generally grown, being large in flower, firm in texture, and very fragrant. It bears in greatest profusion its immense lovely white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center. It is best grown in a sunny situation the vines attain a height of 25 feet Pkt. 10c.

MOONFLOWER—Cross-Bred or Hybrid—A new variety of great value for the North, as it is blooming a month earlier than the preceding, flowers pure white, large and fragrant. It grows very rapidly 30 to 40 feet Pkt. 10c.

MOONFLOWER.

MORNING GLORIES

NEW GIANT FLOWERED JAPANESE—Most beautiful and valuable annual flowers introduced in years, and the most popular. Magnificent in size and appearance. The great variety of rich and delicate colors, tints and markings is wonderful and almost incredible. Many are of very odd and singular forms. The foliage is almost as beautiful as the flowers, and they would be worthy of culture even if they had no flowers. The leaves are of various forms, some ivy like, smooth and glossy; others very hairy, some are green, splashed and variegated. Vines grow rapidly, climbing 15 to 30 feet, and soon cover arbors, piazzas, etc., with a mass of rich foliage and flowers. Single Giant Flowered Japanese Mixed, all shades— $\frac{1}{2}$ oz., 10c.; oz., 15c.; 4 oz., 50c.

FANCY FRINGED JAPANESE MIXED, extra fine..... Pkt. 10c.

NEW DOUBLE FLOWERING JAPAN—Rapid climbers; flowers mostly double, semi-double and a few may come single. Beautiful colors mixed..... Pkt. 10c.

Morning Glories, Common (*Convolvulus Majar*)—The best known and most popular annual climber we possess, growing 30 to 50 feet. Splendid Mixture of Choicest Kinds—Many bright colors—lb., 75c.; $\frac{1}{2}$ lb., 25c.; oz., 10c..... Pkt. 10c.

White..... Pkt. 5c. **Rose**..... Pkt. 5c. **Blood Red**..... Pkt. 5c.

MORNING GLORIES, Dwarf or Bedding—See *Convolvulus Minor*.

Mina Lobata—Rapid and luxuriant climber. Flowers tube-like, borne on graceful drooping spikes from bottom to top; bright red, changing to orange, then cream. Tender annual. Start early in pots. 15 to 20 feet..... Pkt. 10c.

Mina, Sanguinea—A most beautiful annual climber; an early and profuse bloomer; has oak-like leaves; its large clusters of flowers are blood red with yellow throat. Soon climbs 20 to 30 feet..... Pkt. 10c.

Lobata and Sanguinea, mixed..... Pkt. 10c.

Nigella (Love in a Mist, or Devil in the Bush)—A compact, free-flowering plant with finely cut foliage surrounding the curious looking flowers and seed pods; hardy annual. (See cut.)

NIGELLA.

Damascena—Mixed, blue and white. 1 foot..... Pkt. 5c.

Oxalis—Pretty little half-trailing annuals for hanging baskets, vases, rock-work and edgings, flowering in profusion; 6 to 9 inches. Mixed, annual sorts..... Pkt. 5c.

Ornamental Grasses

Very beautiful and attractive for mixed flower beds and borders. Extensively used in the arrangement of winter bouquets and other house decorations. Should be cut while fresh and green and hung in a dry airy place in the shade. Easily grown in any soil.

Eulalia Zebrina (Zebra Grass) Has beautifully striped leaves; 3 feet high..... Pkt. 10c.

Coix Lachryma (Job's Tears)..... Pkt. 5c.

Purple Fountain Grass (Pennisetum)—Has very beautiful and graceful spikes of purple. A fine decorative plant..... Pkt. 5c.

Zea (Japan Maize) Quadricolor—Leaves beautifully striped silvery white, rose and green; fine..... Pkt. 5c.

Dwarf and Half-Dwarf Annual Sorts, Best mixture. Large Pkt., 10c..... Smaller Pkt. 5c.

Tall Annual Sorts, Best Mixture—Large Pkt. 10c. Smaller Pkt. 5c.

Ornamental Grass Plants—See Plant List.

Mignonette.

A well known plant producing semi globular heads of very fragrant flowers on spikes 3 to 10 inches long. Sown at intervals during the spring and early summer it will bloom until killed by frost; sown in autumn will bloom early in spring. Hardy annual; perennial, if protected.

Reseda Odorata (Sweet Mignonette)—A well known fragrant hardy annual. Oz., 10c..... Pkt. 5c.

Parson's White—Robust habit; pure white. Oz. 30c..... Pkt. 5c.

Victoria Red—Perfect beauty; beautiful pyramidal spikes of pretty, brilliant red flowers, dark glossy green foliage. Oz., 50c..... Pkt. 5c.

Miles' Spiral—Very pretty white flower spikes 8 to 12 inches long. A strong grower and most abundant bloomer. Oz., 15c..... Pkt. 5c.

Grandiflora-True—Large flowering Sweet Mignonette. Oz. 15c. Pkt. 5c.

Golden Queen—Fine. Flowers of golden hue. Oz., 30c..... Pkt. 5c.

Bismarck—Strong growing plants, about 1 foot high; flower spikes very broad, pyramidal in form, thickly covered with beautiful reddish blossoms. A coming standard. 3 pkts., 25c..... Pkt. 10c.

Machet—Dwarf; good habit; large spikes of sweet scented red flowers; one of the best for garden or pot culture. Oz., 40c..... Pkt. 5c.

GOLDEN MACHET—Large spikes, golden yellow flowers. Oz. 40c. Pkt. 5c.

Ruby—New. A greatly improved large flowering variety of the Machet type. Very strong spike of beautiful scarlet flowers..... Pkt. 10c.

Allen's Defiance—When well grown, spikes are 10 to 15 inches long; flowers very fragrant; keep three weeks after cutting, retaining their grace and fragrance to the last..... Pkt. 10c.

Many Kinds Mixed—Oz., 15c..... Pkt. 5c.

MIGNONETTE.

MAURANDIA.

Fine Mixed Spotted Varieties..... Pkt. 5c.

Moschatus—Musk Flower—Fine for hanging baskets, etc.; small yellow flowers; leaves emit musk odor..... Pkt. 5c.

Matricaria—Alba Plenisima—(Double white Feverfew)—Bushy annual garden plants, bearing quantities of white double button-like flowers, useful for cutting; succeeds in any garden soil; fine for bedding or pot-culture..... Pkt. 10c.

Musa Ensete (Abyssinian Banana Plant)—Strikingly effective as single specimens upon the lawn, as well as in clumps or masses. Its rapidity of growth is astonishing; if seed is sown early in the house, they will attain a height of 10 to 12 feet the first summer. The leaves are magnificently long, broad and massive, of a beautiful bright green. Musa..... Pkt. 25c.

Nicotiana Affinis—The very pretty large flowering, sweet scented tobacco plant; deliciously fragrant and pure white; annual. 2 feet..... Pkt. 5c.

Collosca—New giant; immense foliage. 5 to 6 feet..... Pkt. 5c.

Oenothera (Evening Primroses or Sun Drops)—Large, showy flowers of various colors; hardy annual. Fine mixed..... Pkt. 5c.

Mexican Primrose—Large bright yellow flowers; 1 foot high. Pkt. 10c.

ORNAMENTAL GRASSES.

NASTURTIIUMS

Nasturtiums are of the easiest culture, and succeed in almost any soil; in fact, they bloom better in a rather poor soil; clay is best. Everybody should sow them. Sow thinly in rows, and cover seeds about 1½ inches with fine soil, pressing it down. If the coarse hull is removed from seed they will grow more quickly, and come up more evenly. When well started leave the best plants standing about six inches apart; pull others out. Hoe often until huds appear. Gather the bloom daily to prolong bearing season. Our stocks of both Tall and Dwarf Nasturtiums are obtained from the best sources. Our very large and rapidly increasing trade show that they are giving very satisfactory results. You take no risk in planting largely from these stocks.

DWARF OR TOM THUMB VARIETIES.

(*Tropaeolum Minor*)—The improved Dwarf varieties are among the most popular as well as useful for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom. One foot high.

Tom Pouce A distinct class which produces bright little flowers in abundance. Colors range through shades of yellow and orange to intense crimson, and some of the blooms have two or more contrasting colors. Desirable for baskets, vases, or as a pot-plant in the house. Oz. 15c; 2 ozs. 25c; 1 lb. 50c.

Golden Queen Beautiful golden flowered variety with yellow leaves; extremely floriferous; large and perfectly formed flowers, thrown well above the foliage; equally valuable for ribbon borders or massing in beds. Oz. 15c; 1 lb. 50c.

Dwarf Chameleon

An interesting new variety. In one and the same plant self-colored flowers are found, others curiously stained or flushed on clear ground, while others are edged with light or dark margins. Oz. 15c; 2 ozs. 25c; 1 lb. 50c.

CHAMELEON NASTURTIIUM.

Price of any of following varieties—Packet, 5c.; ounce, 10c.

Aurora—Deep chrome yellow, lower petals blotched and veined with scarlet.

Crystal Palace—Yellow, carmine spots.

Spotted King—Deep yellow, chocolate spots.

Prince Henry—Golden-yellow, scarlet spots tipped with red.

Empress of India—Dark scarlet.

Cloth of Gold—Scarlet flowers, yellow foliage.

King Theodore, Dwarf—Velvety crimson.

Golden King—Brilliant yellow.

Ladybird—Rich golden-yellow barred with bright crimson.

Pearl—Creamy white.

DWARF, mixed, many kinds—Pkt. 5c.; oz. 10c.; ¼-lb. 25c.; 1 lb. 75c.

TALL OR CLIMBING VARIETIES.

Beautiful and luxuriant annual climbers for verandas, trellises, rocky fences, etc., of easiest culture. It is not necessary that they have supports, but do equally well, if not better, when left to trail on the ground. Profuse bloomers until killed by frost. Stands heat and drought without the slightest effect. The seed pods may be used for pickling. They grow six to ten feet.

SUNLIGHT—New. A strong-growing climbing variety; a very free-bloomer, sometimes almost concealing the large dark-green foliage; of largest size; rich golden-yellow color; petals large, rounded and delicate, two upper ones have delicate brown lines at base, the three lower ones fringed at throat. Oz. 15c; 2 ozs. 25c; 1 lb. 50c.

PRINCESS VICTORIA LOUISE—New. Beautiful. Large, fine shaped cream-white flowers with orange-scarlet blotches, the calyx and spur being solid orange-red and quite frequently the flowers have red edges. Dark green foliage. Oz. 15c; 1 lb. 50c.

VESUVIUS—The flowers are very large, perfectly round, the petals overlapping each other, while the color is the most gorgeous fiery-red imaginable. Oz. 15c; 2 ozs. 25c; 1 lb. 50c.

TALL CHAMELEON—A tall-growing sort; flowers have the same habit of continuous change of color as those of the Dwarf Chameleon. Pkt. 5c; Oz. 15c; 2 ozs. 25c.

Livingston's Top Notch Mixture. An endless variety of shades and some of the New Giant-flowered sorts. For picture, painted from nature, showing a few only of the shades contained in this superb mixture, see page 9. Large pkt. 10c.; oz. 15c.; ¼-lb. 50c.; 1 lb. \$1.50.

Price of any of following varieties—Packet, 5c.; ounce, 10c.

Crimson—Rich and glossy.

Scarlet—Intensely bright.

Yellow Spotted Crimson.

King Theodore, Tall—Deep crimson; dark leaves; very striking.

Gold-Foliage—Bright yellow; flowers scarlet.

TALL KINDS, fine mixture—Pkt. 5c.; oz. 10c.; ¼-lb. 25c.; 1 lb. 70c.

MADAME GUNTHER HYBRIDS.

For richness and variety of colors these new Hybrids have no equals among Climbing Nasturtiums. Some of the most striking colors are as follows—white, shaded carmine on the edges, with deep maroon throat; golden-yellow, shaded brown on edges; yellow, shaded and mottled with carmine; white, with red blotches; shrimp pink, with deep maroon throat; shrimp pink, self-color; rose, bright rose, bright yellow, orange, and a great many other shades not found in any other mixtures, all contrasting beautifully with the dark foliage which predominates in this class. Oz. 10c.; ¼-lb. 30c.; 1 lb. \$1.00; pkt. 5c.

LILLIPUT—A Grand New Class—Plants smaller in every respect than the well known Tom Thumb class. The many small flowers of varied charming colors are borne well above the foliage; leaves small and round; for beds and borders they are very effective. Many colors mixed—Oz. 15c. Pkt. 5c.

OTHELLO NASTURTIIUM.

Othello New. A variety of the charming, compact, small-flowering Lilliput Nasturtiums which are meeting with the favor they decidedly deserve. The flowers of this novelty are of an intense dark red, almost black, and appear in great abundance on the bushy little plants, which make a dazzling display throughout the whole season. 3 pks. for 25c. Pkt. 10c.

LOBB'S CLIMBING NASTURTIIUMS.

As easily grown as the common Tall Nasturtiums, but the brilliancy and profusion of bloom of the Lobbianum varieties render them superior, although somewhat smaller. They attain a greater height also.

FIREFLY—A distinct variety with large flowers of dark-orange, spotted and flamed blood-red; foliage and stems dark. Oz. 15c; 1 lb. 50c.

MARGUERITE—Large pale yellow, spotted and flamed blood-red; foliage and stems dark. Very effective. Oz. 15c; 1 lb. 50c.

PRIMROSE—Creamy-white with brown spots; large flowered. Charming variety. Oz. 15c; 1 lb. 50c.

King of the Blacks—Deepest brown. Oz. 15c; 1 lb. 50c.

Spittire—Fiery red; fine. Oz. 15c; 1 lb. 50c.

LOBB'S MIXTURE of above and many others; fine varieties. Pkt. 5c.; oz. 10c.; ¼-lb. 30c.; 1 lb. \$1.00.

IVY-LEAVED TRAILING NASTURTIIUM.

Distinct in both leaf and flower. The leaf has the true Ivy-shape, as well as the beautiful dark green metallic hue. Very striking. Crimson-scarlet flowers, veined white and having narrow petals with feather edges. Profuse bloomer. Especially graceful in vases, window and veranda boxes. Oz. 25c; ¼-lb. 50c; 1 lb. 10c.

FALL CATALOGUE—Issued about Sept. 1st. Send for it now. Its free. It is sent to all spring customers without request.

SUNLIGHT NASTURTIIUM. NATURAL SIZE.

See **NOVELTY LIST** IN FRONT OF BOOK For **NEW NASTURTIIUMS**

Livingston's Pansies

OUR PANSY SEED IS THE BEST TO BE OBTAINED.
THIS IS ONE OF OUR SPECIALTIES.

The following varieties and mixtures are secured from Special Pansy Growers in the United States, England, Germany, France and elsewhere, regardless of cost. We do not hesitate to supply you with them with the greatest confidence to florists having the most critical trade. (Once prices quoted on request.)

These charming favorites are very much improved in color, size and shape, and no flower is more popular with florists and amateurs. They flower better in the middle of the summer if planted where it is somewhat shaded from the sun, and furnished with a good supply of water, but in almost any situation will give fine flowers in the spring and autumn. Pansy seed may be sown in the hot-bed or open ground, if sown in the spring, get in as early as possible, so as to have the plants in bloom during the early rains; they are easily transplanted. Sow seed in a cool place in June or July, and watered until up, will produce fall flowering plants; if sown in October they will flower early in the following spring. To have good flowers the plants should be vigorous and make a rapid growth. Young plants give the largest flowers.

Psyche New. An abundant bloomer. Each flower is elegantly curled and undulated; in every respect a beauty in form and color. The characteristic five velvety violet blotches or eyes are surmounted by a broad white edge. Pkt. 25c.

Masterpiece A remarkable type. The chief difference consists in the border of each petal being conspicuously curled or waved, giving the flower a unique appearance. The large size of the flowers and free-flowering qualities make them good for bedding. Choice mixed colors. Pkt. 15c.

Tufted Pansies Finest mixture of these ever-blooming new varieties. Pkt. 10c.

Giant Fire King Pansy New. Very bright and showy; rich crimson and gold flowers of good texture; fine form. All should try this grand new Pansy. Pkt. 10c.

Empress Pansies Seed direct from a noted Pansy Specialist of England. This extraordinarily fine "make-up" has carried off more prizes than any other shown at the many critical exhibitions in that country. Pkt. 25c.

Bugnot's Giant Blotched Flowers enormous size, nearly circular in form. A variety of the handsomest and rarest colors, including some shades found in no other variety. Each petal has a distinct, deeply colored broad blotch. Pkt. 10c.

Cassier's Giant Odier, Five-Blotched The largest flower blotched of this class. Various colored, large, handsome and perfectly formed flowers, dark spots on each petal. Mixed. Pkt. 10c.

President Carnot—A new pansy of striking beauty; petals pure white with deep violet blotch. Pkt. 10c.

Trimardeau Giant Persian Large Stained—Very showy, mostly white ground and fine blotched. Pkt. 10c.

Trimardeau Giant White—Beautiful, white with violet eye. Pkt. 10c.

Trimardeau Giant Black—The finest large flowering black. Pkt. 10c.

Trimardeau Giant Striped—Flowers of enormous size, beautifully striped. Pkt. 10c.

Trimardeau Giant Yellow—One of the finest and showiest. A beautiful clear yellow, heavily blotched on the three lower petals. Pkt. 10c.

Trimardeau Giant Deep Blue—A superb variety. Pkt. 10c.

Trimardeau Giant, mixed—Including all above varieties. Pkt. 10c.

Peacock—Bright colored, large and beautiful, the upper petals being of a beautiful ultramarine blue, resembling in shade the Peacock feather. Lower petals deep clear, white margin. Pkt. 10c.

Emperor William—Large, handsome flowers, brilliant ultramarine blue, with purple-violet eye, borne in great profusion. Pkt. 5c.

Lord Beaconsfield Giant—A highly attractive variety; large purple-violet; white on the upper petals. Pkt. 5c.

Phœnix's Eye—A pretty and most peculiar Pansy. Upper petals light blue edged violet, lower petals marbled and spotted. Pkt. 5c.

Giant Hortensia—A fine new red variety. Pkt. 10c.

Fire King—Golden-yellow, upper petal purple; very showy. Pkt. 5c.

Belgian Striped—Lovely class; beautiful; various shades. Pkt. 5c.

Azure Blue—Extra fine; lavender, shaded dark blue. Pkt. 5c.

Light Blue—Lovely sky-blue variety; very fine. Pkt. 5c.

Yellow Gem—Without eye. A beautiful pure yellow Pansy. Pkt. 5c.

Dark Purple—A fine rich deep purple. Pkt. 5c.

Mahogany Colored—The best rich mahogany brown. Pkt. 5c.

Snow Queen (Snowflake)—Delicate satiny-white; very pretty. Pkt. 5c.

King of the Blacks (Faust)—Almost black; darkest brown. Pkt. 5c.

Meteor—Bright brown with a beautiful margin of yellow. Pkt. 10c.

Pure White (Black Center)—One of the showiest. Pkt. 5c.

Violet—Margined with white; extra fine. Pkt. 5c.

PANSY PLANTS—See Plant Department.

GIANT
MADAME
PERRET

THE NEW GIANT MADAME PERRET.

Especially distinguished by the plant being full and spreading, with very broad and extremely dark green leaves; the straight and stiff stems it possesses cause the flowers to stand out well from the foliage. The color of the blossom ranges through all the shades of red to a fine deep purple, and some edged with white. The face of the flower in some cases is regular in color, while in others it is lined and striped. Size of flowers often 3 to 3½ inches in diameter. A novelty of the first rank, and one that is sure to be sought after by lovers of Pansies. Pkt. 15c.

Mr. William Scott writes from Buffalo: The Pansy seed of the Madame Perret variety turned out remarkably fine. I planted them out at the Pan-American about the end of April and for two months they were greatly admired. I have never seen finer market flowers or better form.

NOTED MIXTURES OF PANSIES.

LIVINGSTON'S MIXTURE OF SCARLET AND RED PANSIES—A get-up of our own for an attractive and beautiful bed of these beauties. It contains many of the finest reds and scarlets found among the best growers both at home and abroad. 3 pkts. 25c.; pkt. 10c.

German Imperial, mixed—A splendid mixture of the well-known German Pansy. Pkt. 10c.

English Pansy, finest mixed—The true English Face Pansy. Very showy; each marked with a distinct face; plant compact. Pkt. 10c.

French Pansy—Large flowering, in choicest mixture. Pkt. 10c.

Non Plus Ultra—Very choice mixture of finest varieties. Richest mixture ever sent out by a noted German Pansy Specialist. Pkt. 10c.

International Mixture, "All Nations"—A favorite mixture Pkt. 10c.

Mammoth Butterfly Mixture—Gorgeous. 2 pkt. 25c.; pkt. 15c.

Large Flowering—Many separate colors and choice kinds. Very fine mixed. ½-oz. 25c.; ¼-oz. 40c.; oz. \$1.25. Pkt. 10c.

Good Quality, mixed, ¾-oz. 30c.; oz. \$1.00; 4 pkts. 15c. Pkt. 5c.

LIVINGSTON'S

Fancy Pansy Mixture.

THIS MIXTURE HAS BECOME FAMOUS THE COUNTRY OVER.

The seed is saved from the largest and rarest flowers of most perfect form, richest colors, and first-class in all points. Universally admired, and sure to please all lovers of choice, large and fancy Pansies. The small difference in cost of this seed over that of other mixtures is covered one hundred fold in satisfactory results obtained by the grower. Pkt. 25c.; 3 pkts. 60c.

Our Giant 6 Pansies.

Selected from the finest German, English and French strains—famous White, Giant Blue, Giant Purple, Giant Spotted and Giant Madame Perret, six packets in all for

50 CENTS.

SPECIAL OFFER—Any 3 ten-Cent Packets of Pansies for 25c. 5c. packets included at same rate

LIVINGSTON'S CHINESE PRIMROSE.

Primula Chinensis

Charming profuse blooming plants for winter and spring decoration in the house. Sow seed in March, cover lightly and keep moist. Transplant when the second leaf appears, and continue shifting the plants as they grow.

- SINGLE WHITE**—Fine fringed sort Pkt. 25c.
FERN-LEAVED, Single Fringed, mixed. Pkt. 20c.
SINGLE LARGE FLOWERING FRINGED.
 A superb mixture that gives the greatest satisfaction Pkt. 25c.
SINGLE LARGE FLOWERING UNFRINGED—Finest mixed; gives satisfaction for general purposes Pkt. 15c.
DOUBLE FRINGED LARGE FLOWERING.
 Splendid mixture of fine sorts, sure to please Pkt. 25c.
FORBES, The Baby Primrose—Begins blooming in a few months, from seed, and continues for months. Rose color, with yellow eye. One of the finest pot plants Pkt. 15c.
OBONICA GRANDIFLORA—A lovely and profuse blooming Primrose bearing on long stems heads of beautiful flowers, ever-blooming; true Primrose fragrance, mixed Each, per pkt. 10c.
JAPONICA (Japanese Primrose)—Bright, showy flowers borne on stems 8 to 12 inches long. Mixed colors Pkt. 10c.

LIVINGSTON'S Superb Petunias

No flower surpasses, if in deep equals, the Petunia for massing in beds. Their richness of color, duration of bloom and easy culture will always render them welcome and popular. They will do well down in open border in spring, or earlier in a cold frame or hot-bed and transplanted 18 inches apart. By the latter process they will come into bloom much earlier. Be careful not to cover the small seeds too deeply. It is well known that seed of double varieties do not all produce double flowers. Save the weaker seedlings as they usually give the finest double flowers.

Howard's Star-Shaped—New. Entirely distinct. Colors equal to the finest Pansies—dark crimson maroon with veins of violet. 80 per cent of the five petal blooms have star-shaped markings of bluish-pink or white over the maroon ground; very lovely; worthy a trial Pkt. 10c.
Alba—Pure white; satisfactory for cemetery bedding Pkt. 5c.
Dwarf Infinitesimal—Compact little plant 5 to 8 ins. high, covered with beautiful cherry-red flowers with white center; suitable for edging or massing Pkt. 10c.
Snowball—Forms compact bushes about 8 ins. high; produces pure satiny-white flowers in profusion all summer. Splendid for pots or bedding Pkt. 10c.
Blotched and Striped—Flowers with star-shaped blotches; fine form; effective; fine for bedding and window boxes ½-oz. 20c.; pkt. 5c.
Extra Fine Hybrid—Superb strain; rich mixture Pkt. 10c.
Fine Mixture—Many colors. ½-oz. 15c.; ¼-oz. 25c.; pkt. 5c.

HOWARD'S STAR-SHAPED PETUNIAS.

Exquisite Poppies

Poppies, like many old-fashioned flowers, are becoming more popular each season. This is due, no doubt, to the introduction of many new varieties of brilliant and delicate shadings of color. They are also veined, streaked and flaked in charming profusion. This is true in all classes. Sow up top of good garden soil quite early, cover very little and thin out plants to about six inches apart.

- MISS SHERWOOD**—A new satiny-white variety; satiny-rose tint on outer half of petals. Pkt. 5c.
TULIP POPPIES—Large and splendid single flowers of the most dazzling scarlet. The two outer petals resemble a saucer in which are set two erect petals of the same color Pkt. 5c.
SNOWDRIFT—Pure snow-white, double flowers of perfect form; large size Pkt. 5c.
BRIGHT YELLOW—A rare new color; very fine Pkt. 5c.
MIKADO, Striped Japan—Very distinct; large, double pure white flowers; elegant double cut Pkt. 5c.
CARNATION-FLOWERED—Double; flowers unequalled for dazzling richness and variety of color. Mixed, ½-oz. 10c. Pkt. 5c.
GOLDEN GATE—Fine mixture of Singles, Doubles and Semi-Doubles, with no end to the colors, including rich scarlet and purple Pkt. 5c.
FAIRY BLOSS—Immense globular flowers, perfectly double, four to five inches across; elegantly fringed; pure white with rose tipped petals Pkt. 5c.

SHIRLEY POPPIES

- ORIENTAL HYBRIDS**, mixed—Flowers of immense size. Many novel colors—soft pink, cherry, dazzling scarlet, rich maroon, purple, etc.; perfectly hardy Pkt. 5c.
SHIRLEY POPPIES—A new strain of marvelous beauty. Delicate rose, pink, carmine and brilliant crimson. Many flowers are edged with white; petals have a glossy silk-like texture. Single, mixed. Pkt. 5c.
SHIRLEY, Double—Rich mixture of double and semi-double flowers, mixed Pkt. 5c.
DWARF SHIRLEY—New. Bushy little plants covered with fine flowers of rose, carmine, red and salmon. Desirable for beds, borders or pots Pkt. 5c.
WHITE SWAY—Immense double fringed pure white flowers Pkt. 5c.
PAEONY-FLOWERED—Large, showy, double. Mixed Oz. 20c.; pkt. 5c.
ICELAND POPPIES—Colors range from purest white, yellow to deep orange-scarlet. Flowers deliciously fragrant and delicate, borne on long stems and last a long time if cut as soon as open. Plant hardy, easy to grow, bright green, fern-like foliage. 12 ins. high. Double White, Yellow, Orange-Scarlet, and mixed 3 pkts. 25c. Each, per pkt. 10c.
LIVINGSTON'S MIXTURE—Many fine sorts and colors, including the best in above list and many others. Will surely please. Oz. 40c.; ¼-oz. 25c. Pkt. 5c.

RUFFLED GIANT POPPY

LARGE FLOWERING—FANCY HYBRIDS.

- Single Large Flowering**—Choice mixed Pkt. 10c.
Double Large Flowering, all sorts—A superb mixture Pkt. 25c.
Single Fringed Large Flowering—Extra fine mixed Pkt. 20c.
Double Fringed Large Flowering—Very choice. Pkt. 25c.

- GIANTS OF CALIFORNIA POPPIES**—Flowers exquisitely ruffled and fringed and of enormous size, often five inches across, but their great merit lies in the innumerable blotchings and stripings: some of the colors are rich and gorgeous, and others of lovely delicate shades. Splendid mixed choice varieties Pkt. 15c.
RUFFLED GIANTS—Extra size and substance; very deep throat, fringed and fluted; the wide range of colors is unsurpassed. A superb mixture Pkt. 25c.
NEW STEEL BLUE—Beautiful variety; lovely steel blue flowers shaped like Clematis Jack-maul; perfectly distinct Pkt. 15c.

SPECIAL POPPY OFFER.

One packet each of the brightest, best and oddest Poppies—Iceland, Shirley, Oriental, Golden Gate, Mikado and Tulip—six packets in all—for **20 CENTS**.

Zara Davis, Washington Co., Ind., writes: "I think all your seeds are up-to-date."

LIVINGSTON'S SWEET PEAS

Each season we revise our list of Sweet Peas, so that it will be found fully up-to-date in all new and desirable sorts.

The following varieties are the **Cream of the list** and have been selected with a view to please the most critical grower.

HOW TO GROW. Plant early, in rows, running North and South is best. April 1 is none too soon (earlier is better) if the ground will work fine. Make a trench 12 inches deep and 15 inches wide. Work into the soil, in the bottom of the trench, plenty of well-rotted manure, then fill up eight inches of the trench with fine soil; sow the peas at the rate of one ounce to about 15 feet of double row, covering 1 inch deep, (if sown about April 1st), in two rows 10 inches apart and seeds 2 inches apart in rows; if planted later cover deeper. When well up fill in with earth gradually, as they grow, until the trenches are full. The object is to get the roots well down so that they may resist drought. Give plenty of water, pick the blooms without stint and do not allow pods to form, as the plants will cease to bloom. Use brush or trellises 5 to 6 feet high.

For full instructions how to grow Sweet Peas successfully, send for our booklet "Sweet Peas and How to Grow Them." Write expressly for our customers by a successful grower. This booklet is sent **FREE** on request to our Sweet Pea customers. To others for 10 cents.

SWEET PEA PRICES—Any variety on this page, except as noted, packet, 5c.; any 7 packets 25c.; ounce, 10c.; any 4 ounces, 25c.

THE PRICE FOR BULK quantities of each variety, unless otherwise quoted— $\frac{1}{4}$ lb. 20c.; lb. 60c., postpaid. By Express at purchaser's expense, 50c. per lb.

America—Bright blood-red, striped, white ground.

Apple Blossom—Rosy pink, with bluish wings.

Aurora—Orange-salmon, flaked and striped white; Extra large. Lb., 50c. postpaid.

Black Knight—Very rich dark maroon; darkest of all.

Blanche Burpee—Large, pure white; fine form. (See cut.)

Blanche Ferry—The popular pink and white; very free flowering.

Blanche Ferry, extra early—Same color as the preceding, but ten days earlier.

Blushing Beauty (Royal Rose)—Medium early; rich deep bluish pink; large hooded form; fine. Lb. 50c. postpaid.

Boreatton—One of the darkest and richest colored; satin-like maroon.

Brilliant—Brilliant scarlet, of excellent substance. Does not sunburn. Lb., 50c., postpaid.

Butterfly—White, edged and shaded with blue; one of the best.

Captain of the Blues—Grand; bright purple-blue.

Captivation—Light purple magenta; wings heliotrope.

Celestial—Delicate azure-blue.

Countess Cadogan—Large, fine form; bright blue.

Countess of Radnor, Improved (New Countess)—Beautiful light lavender with purplish tinge.

Daybreak—Watered crimson-scarlet on white ground; a free bloomer; good stems. Lb., 50c., postpaid.

Dorothy Tennant—Rich rosy-mauve; large size and fine form.

Earliest-of-All—The "record breaker" for early flowering, and one of great merit; stems long and stout; flowers large; standards a bright, rich pink, and wings nearly pure white. $\frac{1}{4}$ lb., 15c.; lb., 50c., postpaid.

NAVY BLUE

Blanche Burpee.

"BRILLIANT"

Emily Eckford—Bright shade of heliotrope; wings blue.

Emily Henderson—The purest white; fine bold flowers on good stems, and quite early.

Fascination—New. Very delicate magenta-mauve; large size.

Firefly—Intense crimson-scarlet; large flowers; one of the best.

Gorgeous—Deep rich orange-salmon; bears flowers of immense size at the end of long stout stems.

Gray Friar—Large size: fine form; beautiful watered purple on white ground, giving a gray effect. Lb., 50c., postpaid.

Her Majesty—Beautiful rose; deep and glowing; large full flowers.

Josephine White—New. Very early strain of Emily Henderson; vigorous; pure white. $\frac{1}{4}$ lb., 25c.; lb., 75c.

Katherine Tracy—A soft brilliant carmine-pink; vigorous grower; a large flower of good substance.

Lady Grisel Hamilton—Extra large, beautiful hooded form; mauve, light blue wings. Lb. 65c. postpaid.

Lady Mary Currie—Orange tinted, heavily veined with salmon-pink, shading into pink at the base; wings soft, rose-pink, veined with deeper shade.

Lady Penance—Delicate rose; wings pure pink; an early and free bloomer. Lb., 50c., postpaid.

Lord Kenyon—New. Grows 3 to a stem; large; rosy-pink; beautifully shaded and veined.

Lovely—Soft shell-pink—an exquisite color; large size: one of the finest. $\frac{1}{4}$ lb., 25c.; lb., 75c.

Maid of Honor—Flowers light blue on a white ground; bold edge of deep lavender; showy.

Miss Willmot—New. Enormous size; rich orange-rose; long stems; very fine. $\frac{1}{4}$ lb. 25c.; lb. 75c.

Mrs. Eckford—Pale primrose-yellow; extra fine flowers and form.

Mrs. Fitzgerald—Soft delicate rose; long stems; a strong grower.

Mrs. Sankey—Pure white; fine bold flowers; a vigorous grower.

Mrs. Dugdale—Of the very largest size, three to a stem; light crimson-rose.

Navy Blue—A True Blue Sweet Pea. A distinct color (not tint) from any other existing variety and unusually rich. General color effect dark blue; elegantly veined; standards royal purple, wings pure violet. A vigorous grower; fine form, generous size, remarkable substance; stems average three flowers (25c. cut).

Oddity—Large flower of peculiar curled habit; pale carmine with bright rose-edge; a great bloomer.

Othello—Beautiful deep glossy chocolate red; flowers very large, of hooded form.

Prima Donna—Beautiful light bluish pink; grand.

Prince of Wales—A Grand flower of deep rose-crimson; fine hooded form.

Queen Victoria—A soft primrose-yellow; very rich.

Red Riding Hood—Oddest of all Sweet Peas, very attractive and a remarkable departure in form. The standard is drawn into a snug hood; in colors pretty bright rose; fragrant. A free bloomer.

Royal Rose—Deep rosy pink, wings lighter; one of the largest.

Salopian—Deep scarlet or cardinal; the best red; of fine grandiflora form; stands the hot sun best of all the deep crimson-scarlets.

Sadie Burpee—Hardest of all whites; flowers extra large, yet dainty and beautiful in form; color purest pearly-white.

Snappdragon—New. A curiosity in Sweet Peas. Does not open its bloom. Standard remains in bud-like form, resembling the Snappdragon in shape of bloom. Very fragrant.

SWEET PEA COLLECTIONS AND MIXTURES

"OLD GLORY" MIXTURE.

Three best up-to-date varieties of RED, WHITE and BLUE SWEET PEAS mixed in equal proportions.

Pkt. 5c.; oz. 10c.; $\frac{1}{2}$ -lb. 30c.; 1b. 75c.

Livingston's Light Shades Mixed.

This mixture is made up from about 25 different kinds. Coming, as they do, from seedlings, sown together, you are sure of some entirely new and lovely varieties, making this a valuable mixture. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{2}$ -lb. 25c.; 1b., 75c.

Livingston's Special Mixture.

Contains all of the Finest New Large Flowering Sorts and Novelties. No mixture surpasses it in size and richness of flower and fragrance. Large Packet, 10c.; ounce, 15c.; $\frac{1}{2}$ -lb. 25c.; 1b. \$1.00.

Eckford's Gilt Edge Mixture.

Of undoubted superiority. Containing all of Mr. Eckford's recent introductions in beautifully blended shades. Pkt. 5c.; oz. 10c.; 2 ozs. 15c.; $\frac{1}{2}$ -lb. 25c.; 1b. 75c. By Express, not prepaid, 5 lbs. \$3.00.

FINE MIXED All Sorts and Colors.

A fine mixture for the low price. Pkt. 5c.; oz. 10c.; $\frac{1}{2}$ -lb. 20c.; 1b. 45c. By Express, not prepaid, 3 lbs. \$1.00. Six of the Sweetest and Biggest Flowered Sweet Peas in cultivation. One packet each of the following distinct colors—RED, WHITE, LAVENDER, MAROON, PINK and YELLOW—for only 20c. A mixed packet of the six kinds for 10c., or an ounce for 15c., postpaid.

Oddity Collection Sweet Peas.

Contains the oddest of all Sweet Peas, in shapes and colors. A chance to try these odd and double mixed. 5 packets, in all, ONLY 5 CENTS.

Livingston's Elite Set Sweet Peas.

The most exquisite and delicate shadings imaginable, selected from the many varieties of Sweet Peas. One packet each Apple Blossom, Blushing Beauty, Celestial, Gray Friar, Lovely, Maid of Honor, Queen Victoria. 7 packets in all, only 20c.

Collection of 10 Varieties, our selection, for 25c.

NEW DOUBLE SWEET PEAS

Not thoroughly established, but each season shows some improvement. About 40 percent of the flowers come double. Worthy a trial, but we make this explanation that patrons may not be misled. Mixed, all kinds Oz. 10c.; $\frac{1}{2}$ -lb. 25c.; 1b. 75c.; pkt. 5c.

BUSH
SWEET PEAS

NEW BUSH SWEET PEAS.

An entirely distinct race. These do not require a trellis like the tall Sweet Peas, neither do they lie on the ground like the Dwarf Cupid Sweet Peas. Bush 16 to 18 inches high. Flowers of the hooded form. All the colors and shadings of other Sweet Peas are found in our mixture of Bush Sweet Peas. We can supply the following varieties—Blanche Burpee, Gray Friar, Her Majesty, Prima Donna, Ramona, Senator and Stella Morse. Each per pkt. 5c.; oz. 10c.; $\frac{1}{2}$ -lb. 25c.; 1b. 85c. All kinds mixed, pkt. 5c.; oz. 10c.; $\frac{1}{2}$ -lb. 20c.; 1b. 75c.

DWARF CUPID SWEET PEAS.

These little beauties grow only 6 to 8 inches high, and excite wonder wherever seen; very fragrant; bear full sized flowers of fine substance, 2 to 3 on the stem; profuse bloomers; excellent for beds, borders and pot-culture; flowers early, continues in bloom until late in the season. We offer Apple Blossom, Chamberlain Countess Radnor, Firefly, Royalty, White and Mixed Sorts—Each, pkt. 5c.; oz. 10c.; $\frac{1}{2}$ -lb. 25c.

HARDY SWEET PEAS

Perennial or Everlasting (*Lathyrus latifolius*)—Perennial climbers suitable for trellises, arbors, etc. Pink Beauty—New. Charming white bloom, tinted pink Pkt. 5c. SPLENDENS—Pride of California—Brilliant rosy-pink Pkt. 10c. WHITE Pkt. 5c. Mixed Oz. 10c.; $\frac{1}{2}$ -lb. 25c.; 1b. 75c.

Phlox Drummondii

For splendid mass of colors and a constant display, the Phlox Drummondii is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from purest white to deepest blood-purple or crimson. Seed may be sown in open ground in May, or in hot-bed earlier, and transplanted, and in either case they make a most brilliant bed of showy, yet delicate flowers the whole summer. A good ribbon bed of the Phlox is a most dazzling sight. Set plants one foot apart.

PHLOX DRUMMONDII—The old type of small flowered sorts. Choice varieties mixed $\frac{1}{2}$ -oz. 15c.; pkt. 5c.

LARGE FLOWERING PHLOX.

Grandiflora—A decided improvement on the Drummondii, especially in size; flowers quite round; colors very brilliant. Intense Scarlet Pkt. 5c. Blood Red—Darkest of all Pkt. 5c. Crimson—Very bright; effective Pkt. 5c. Scarlet Striped—A beauty Pkt. 5c. Carmine—White eye Pkt. 5c. Rosea—Pink with white eye Pkt. 5c. PURE WHITE—Beautiful, fine for cutting $\frac{1}{2}$ -oz. 15c.; pkt. 5c. SPLENDENS—Vivid crimson with a pure white star center Pkt. 5c.

One packet each above 8 Splendid Large Flowering Phloxes for 30c.

OUR SPECIAL MIXTURE—Large flowering in richest colors. Simply cannot be excelled $\frac{1}{2}$ -oz. 25c.; $\frac{1}{4}$ -oz. 40c. Pkt. 5c.

PHLOX, LARGE FLOWERING GRANDIFLORA

Any Seven 5c. packets of Phlox for 25c., postpaid.

DOUBLE PHLOX Beautiful semi-double blooms which are fine for cut-flower uses. To produce best double flowers should be grown in a light, sandy soil. Double White, Scarlet or Yellow—60 to 70 percent double Each, pkt. 10c. Double, mixed colors Pkt. 10c.

DWARF PHLOX

This new strain is of dwarf, compact habit, well adapted for pot culture; also for ribbon lines and massing. 6 to 8 ins. high. Desirable market plant. Finest mixed colors Pkt. 10c. Snowball—Excellent Pkt. 10c. Fireball—Extra fine Pkt. 10c. Packet each Snowball and Fireball, 15c.

New Dwarf Large Flowering—Combines the best of the large flowers of the grandiflora type with the excellent bedding qualities of the dwarf sorts. Very fine. Rose, Scarlet, White and mixed colors Each, 3 pkts. 25c.; pkt. 10c. FOR PLANTS OF HARDY PHLOX SEE PLANT DEPARTMENT.

HARDY PHLOX Perfectly hardy and need no protection in winter; flourishes in any soil, but do best in deep, rich, moist ground. 2 to 3 feet high. Immense heads of waxy flowers; large; beautiful. Many shades mixed Pkt. 5c.

STAR-SHAPED PHLOX.

STAR OF QUEENSLAND—(Fringed Phlox)—Flowers have a regular star-like form. Plant of dwarf, compact habit and bears large umbels of flowers. As easily grown as common Phlox, and flower just as profusely. Splendid for bouquets. Extra Fine mixed $\frac{1}{4}$ -oz. 25c. pkt. 5c.

DOUBLE PORTULACA

1½ inches across, perfectly double. of many colors, and remain open all day. Tender annual. 9 inches high.

GRANDIFLORA, FINEST SINGLE, mixed ¼-oz. 15c.; pkt. 5c.
DOUBLE ROSE-FLOWERED, White and Scarlet Each, pkt. 10c.
DOUBLE ROSE-FLOWERED, mixed—Very double Pkt. 10c.

Pyrethrum (FEVERFEW)—Hardy Flowering Varieties—Valuable border plants with many stems about 2 feet high, each having flowers 2 to 4 inches across; colors, rose, flesh, pink, crimson, etc.; remains in bloom a long time. (See Matricaria.)
Single Large Flowering, mixed Pkt. 5c.
Double Large Flowering, mixed Pkt. 10c.
Roseum—Fine large flowers, white to pink and deep rose color. Pkt. 5c.
Aureum Golden Feather—For ribbon and carpet bedding. Bright yellow foliage, finely cut and fringed Pkt. 5c.

ROSES

First Year From Seed.

Dwarf Polyantha or "Fairy," Midget or Baby Roses—These beautiful little roses are very double (seldom single) borne in many flower clusters and contain all the tints of cultivated roses. Grow only about one foot high and commence blooming in a few weeks after the seed is sown, and continue the entire season. Perfectly hardy; bloom year after year in profusion, from May until frost 3 pkts. 25c.; pkt. (50 seeds) 10c.
New Large Flowering. New. Produces large double roses in a great variety of colors; very fragrant. Blooms first year from seed, but do better the second and third years. Hardy Pkt. 25c.

ROSE PLANTS—See Plant Department.

Scabiosa

MOURNING BRIDE.—A useful and ornamental plant with rich and beautifully colored flowers; effective for hedges or borders; excellent for cutting.
Fiery Red—Very striking, beautiful color Pkt. 5c.
Black Prince—Very large, double, almost black Pkt. 5c.
Snowball—Elegant double white flowers; fine for bouquets Pkt. 5c.
Double Yellow—A very fine golden-yellow color. Secured only after years of selection Pkt. 5c.
Large Flowering Double—New. Semi-dwarf, compact and upright, long stiff stems, and large, round, perfect double flowers of remarkable colors. Splendid Mixture ¼-oz. 15c.; oz. 25c.; pkt. 5c.

RICINUS ZANZIBARENSIS

PORTULACA.

Also known as ROSE MOSS.

Should be sown in every garden. Scarcely any flower in cultivation makes such dazzling display of beauty as a bed of highly colored, many hued Portulacas. In bloom from July until frost. Plant in dry sandy soil in the garden as soon as it has become warm. Let the bed have full exposure to the sun and withhold water after the plants appear. Stands any amount of dry weather. Blooms of double varieties are about 1½ inches across, perfectly double.

Sweet William.

(Dianthus Barbatus)—A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of colors; deliciously sweet scented. They have been greatly improved of late years and nothing surpasses this old rugged favorite clumps or borders. Hardy perennials, about one foot.

Double White Pkt. 5c.
Double Crimson Pkt. 5c.
Double Flowering—Mixed; fine collection ¼-oz. 20c.; pkt. 5c.
Giant Double—An improvement over the old favorites in size and colors of flowers and trusses; many of individual flowers over an inch in diameter. Extra choice mixture Pkt. 10c.
Fine mixed Single—All colors ¼-oz. 10c.; ½-oz. 15c.; pkt. 5c.

SWEET WILLIAM

Sunflower

of their flowers; also said to absorb the miasma from the atmosphere, thereby being a fever and ague preventive.

STELLA (Improved Mineature)—New and beautiful; blooms all summer and fall; small green foliage, fine golden-yellow flowers with black disc, 2 to 3 inches across; splendid for cutting; 3 to 4 feet high Pkt. 5c.
Silver Leaved—Flowers large, single, lemon color, with foliage covered with silky white hairs; very odd. 5 feet high Pkt. 5c.
Globe of Gold—Globe shape, extra double, large, fine yellow flowers, 4 feet Pkt. 5c.
Mammoth Russian—Very large single flower Oz. 10c.; pkt. 5c.
Sunflower, our mixture Oz. 10c.; pkt. 5c.

Salvia

Very ornamental plants flowering in spikes, and continues to bloom in open ground until frost. Plants may be started in a hot-bed and transplanted to light, rich soil, one foot apart. Tender perennial.

SILVERSPOT—Strikingly handsome spotted foliage. Leaves rich, soft dark green, with light yellowish spots of various sizes sprinkled over them, and have a fresh, healthy appearance. Flowers large, bright red; plants of neat compact habit. About 75 percent come true from seed. 2 pkts. 25c.; pkt. 15c.
Coccinea Lactea—Pure white; fine; 2 feet Pkt. 10c.

Patens—Brightest and bluest of all flowers; beautiful Pkt. 15c.

SPLENDENS—Scarlet Sage. Gorgeous plants with numerous spikes of intensely vivid scarlet flowers 10 to 12 inches in length. Continue to flower profusely all summer and fall. Easy growth, and should be in every garden Pkt. 10c.

Bonfire (Clara Bedman)—Plants form handsome bushes about 2 feet high by 2 feet across. Spikes grow erect and stand clear above the foliage, completely covering the plant, and are of most brilliant, dazzling scarlet Pkt. 10c.

For SALVIA PLANTS see Plant Department.

SILVERSPOT SALVIA

Ricinus Castor Oil Plant. Stately, strong with very ornamental foliage, particularly adapted as center plants of groups of Camas, Caladiums, Dahlias, etc.; fine for lawns, massings, etc. Very quick growing annual.

Zanzibarensis—A new and distinct class, surpassing in size and beauty all the varieties hitherto known. Plants attain great dimensions—12 to 14 feet—presenting a splendid aspect with their gigantic leaves. We have grown them with leaves 3 to 4 feet across. Our mixture comes in light and dark green leaves, and some coppery bronze changing to dark green with reddish spots. ¼-oz. 10c.; ½-lb. 25c.; pkt. 5c.
Cambodgensis—New. Large palm-like leaves of bronzy-red maroon; stalks and stems nearly black. Foliage shows different shades as they grow, and a striking effect is obtained. 5 feet Oz. 15c.; pkt. 5c.
Borboniensis—Shorty beautiful green foliage. 10 to 15 feet Pkt. 5c.
Gibsoni—Dwarf, branching, rich red foliage. 5 feet Pkt. 5c.
Philippiensis—A grand new variety from Uncle Sam's new islands. Foliage large and beautiful. 10 feet Pkt. 5c.

SPECIAL OFFER—One packet each of above 5 grand Ricinus, 20c. Mixed, the very best varieties Oz. 10c.; ½-lb. 25c.; pkt. 5c.

Rhodanthe

One of the best everlasting flowers and a charming annual. For winter bouquets the flowers should be cut before fully expanded and dried in the shade. 1 foot. Mixed, many choice colors. Pkt. 5c.

Hunt up the various COLLECTIONS IN SEEDS AND PLANTS throughout this Catalogue. THEY ARE ALL GREAT BARGAINS.

Stocks

German Ten Weeks, Gillyflower—Stocks have for many years been a general favorite, and they are now considered almost indispensable for brilliancy of color and general effect for bedding, borders, massing or pot culture. Sow in February or March; plant in open ground in May.

- Pure White**—Large flowering, double..... Pkt. 10c.
Red—Very fine new double sort..... Pkt. 10c.
Double Large Flowering Dwarf—Magnificent spikes of very large double flowers; all colors. Best mixed..... Pkt. 10c.
Large Flowering, fine mixed..... Pkt. 5c.
SNOWFLAKE—A beautiful variety; one of the earliest; admirably adapted for forcing. Large, double snow-white flowers..... Pkt. 10c.
GIANT PERFECTION STOCKS—Produce plants 2½ feet high with long spikes of beautiful double flowers. Choice mixed..... Pkt. 10c.
Emperor, or Brompton—These make very bushy and branching plants, with an abundance of large flowers. Sow in July or August. Hardy if protected. 2 feet. Mixed colors..... Pkt. 10c.

Salpiglossis (Velvet Flower)—Showy bedding or border plants, with richly colored, erect, funnel-shaped flowers. Colors beautifully marbled and pencilled purple, scarlet, crimson, yellow, blue and black. Plant in warm, rich soil; very fine annual. **Grandiflora**—New; large flowering; extra fine. Mixed colors..... Pkt. 5c.

Sensitive Plant A curious and pretty annual plant. The leaves are very sensitive to frost, and droop at the slightest touch, or in cloudy, damp weather, and during nights. Easily grown. A plant or two reserved for the house will be found interesting during winter..... Pkt. 5c.

Smilax Charming tender perennial climber for house culture. Forms "strings" six feet long, which are extensively used for decorating, and as grown in immense quantities by florists. Foliage and stems a pleasing light wax green; very graceful; delicate; remains fresh several days after being cut. Soak seeds 24 hours in hot water before sowing..... ½ oz. 15c.; pkt. 5c.

Torenia Beautiful plants for vases, hanging baskets, etc. In open ground flowers are produced in great abundance, the plants being covered with one mass of bloom until frost, and also in winter in the greenhouse.
Fournieri Compacta—Lovely velvety-blue flowers, with three large spots of darkest blue and a bright yellow throat..... Pkt. 10c.
White Wings—Pure white with rose throat..... Pkt. 10c.

Thunbergia Rapid growing annual climber with pretty shades, with a dark center or eye. Adapted for vases, hanging baskets, trailing over fences, trellises, etc.; profuse bloomer with handsome foliage. Fine mixed..... Pkt. 5c.

Vinca (Periwinkle)—Free-flowering bushy plants, with glossy foliage and beautiful circular flowers; in sunny situation they bloom all summer; if potted before frost will bloom in winter; flowers the first season: 2 feet.
Alba—Pure white. Pkt. 5c. Mixed varieties—All colors..... Pkt. 5c.

Viscaria Handsome, showy annual when massed; large, round flowers of white, red, blue, pink, mixed with various colors; 1 foot high. All colors mixed..... Pkt. 5c.

Valeriana (Hardy Garden Heliotrope)—Showy border plants or for mixing with shrubbery; grows in garden soil; does well in the shade; produces large crops of flowers; hardy perennial that blooms the first season from seed. Fine for bouquets. Mixed, bright rose, red and white flowers..... Pkt. 5c.

Whitlavia A good plant for baskets, vases or pots; delicate handsome foliage; bright blue, pure white and violet, large bell-shaped flowers in drooping clusters. Sow seed in open border early in the spring. Hardy annual, one foot high. Fine mixed..... Pkt. 5c.

MAMMOTH
VERBENA

Violet

(Viola Odorata)—The Violet should not be wanted in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. Succeeds best in a shady, sheltered place and can be easily increased by dividing the roots. Hardy perennial. 6 inches.

Double Violets do not seed. Plants offered in Plant Dept.

- Blue Sweet Violet**—Old sort..... Pkt. 10c.
The Czar—The largest flowering and richest colored deep blue sweet Violet in cultivation..... Pkt. 10c.
Single mixed—Blue and white. Pkt. 10c.

Wallflower Well-known fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; protect in winter for bouquets. Half-hardy perennials. Flowers first season from seed.
Single Early Large Flowering..... Pkt. 5c.
Double Large Flowering, mixed—All colors..... Pkt. 10c.

Wild Cucumber A rapid growing climber—often 30 feet in a season. Has beautiful leaf and pretty, fragrant white flowers, followed by curious prickly seed pods..... ½ oz. 10c.; oz. 15c.; pkt. 5c.

Xeranthemum (Everlasting Flowers)—Very desirable, easy to grow. Leaves covered with silvery down; flowers pure white, deep purple and yellow. Hardy annual. 2 feet. Double, mixed, all colors..... Pkt. 5c.

Zinnias

One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias.
Striped or Zebra—A very pretty strain, with striped flowers. Colors vary on each plant; presents a curious and beautiful appearance..... Pkt. 5c.
Curled and Crested—A new strain, with large double flowers of perfect form; petals twisted, curled and crested into the most fantastic and graceful shapes. A magnificent variety of colors and lovely shades..... ½ oz. 20c.; pkt. 10c.
Double Snowball—Double, pure white, dwarf and compact..... Pkt. 5c.
Dwarf Fireball—Double, fiery red, dwarf..... Pkt. 5c.
Golden Yellow—Flowers large, perfect in shape, clear golden yellow. Pkt. 5c.

Large Double Zinnias—Grow to a handsome bush 3 feet in height, and the mammoth, perfectly formed double flowers measure 5 to 6 ins. across, and are of intense and brilliant colors. Mixed ½ oz. 25c.; pkt. 5c.
Queen Victoria—A new giant variety, of vigorous growth, with very double pure white flowers, 4 inches in diameter..... Pkt. 10c.
Double Hazeana—Of decided merit; close and vigorous in habit, nearly covered with pretty golden-yellow double flowers; fine, indeed, for cutting..... Pkt. 5c.
Double Lilliput—Bush covered with small flowers of fine form, borne on long stiff stems; charming for bouquets..... Pkt. 5c.
Double Dwarf, mixed—Compact bush, not over 12 ins. high. Pkt. 5c.
Double Pompon—Charming; long and very double flowers; larger than Lilliput. Mixed..... Pkt. 5c.
Double Large Flowering—Mixed, of many colors; fine strain; cone-shaped..... ½ oz. 10c.; ½ oz. 15c.; oz. 25c.; pkt. 5c.

Verbena

No plant is more generally cultivated than the Verbena, and no plant excels it for masses in beds on the lawn. Flowers perfectly well from seeds sown in spring (if sown in May will bloom in August). If started in the house in pots or shallow boxes in winter they will bloom sooner. Set plants 2 feet apart each way. Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially light colors.

- Defiance True**—Brightest and richest of all scarlet Verbenas..... Pkt. 10c.
Blue Varieties—Showy and distinct..... Pkt. 5c.
Striped Varieties—Beautiful..... Pkt. 5c.
Pure White—Large trusses of purest white flowers..... Pkt. 10c.
Niveni (Odorata)—White; sweet scented..... Pkt. 5c.
Cloth of Gold—Clear golden-yellow foliage, deep crimson flowers..... Pkt. 10c.
Lemon Verbena (Citriodora)—Sweet, lemon-scented foliage..... Pkt. 10c.
New Mammoth—Large flowered, mixed colors—A superb and distinct class with flowers of immense size and embracing all desirable shades..... Pkt. 10c.
NEW MAYFLOWER—Shape of blossoms, color and fragrance are almost identical with the wide-famed and cherished Trailing Arbutus; flowers white, touched with delicate pink; very fragrant..... Pkt. 10c.
ROYAL SPLENDOR MIXTURE—Brilliant; distinctly marked. Unsurpassed in size and range of colors. A trial will prove its great worth..... 2 pkts. 25c.; pkt. 15c.
HYBRIDA—Choicest mixed. Saved from the most beautiful named flowers; gives highest satisfaction..... ½ oz. 35c.; pkt. 10c.
Fine mixed..... ½ oz. 25c.; pkt. 5c.
NEW DWARF VERBENAS—Of erect, dwarf and compact habit, forming a neat bush about 5 ins. high and 18 ins. across..... White or Scarlet, each, pkt. 10c.
Extra mixed..... Pkt. 10c.

VIOLETS

Livingston's Bargains in Flower Seeds

Special Mixtures of Flower Seeds.

Much pleasure is derived from watching the growth of a mixed bed of flowers. Our mixtures are made from very choice fresh seeds, and can't fail to give satisfaction. The packages are liberal in size, and in no other way can so many seeds be obtained for so little money.

Fragrant Annuals. A mixture made from seeds of fragrant flowers, giving rich perfume throughout the day and evening. Some are suitable for cutting. Packet, 10c.; 3 for 25c.

Mixture of Climbers. A packet of seeds containing over twenty beautiful annual climbers, for covering overhanging trellises, stumps, etc. Packet, 10c.; 3 for 25c.

Flowers for Bouquets. This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut-flowers the entire season. Packet, 10c.

Mixed Everlastings. A Great variety of beautiful and attractive Everlastings. Packet, 10c.; 3 for 25c.
One packet each of FIVE BEST KINDS EVERLASTINGS and a packet of MIXED GRASSES, all for only 20 cents.

Any 3 Mixture Packets for 25 cents.

Wild Flower Garden or CHILDREN'S GARDEN.

Full of Daily Surprises, and one who has never seen such a Garden cannot form any idea of its possibilities.

Each packet contains a great variety of pretty flowers of easy growth. The mixture will be found both interesting and useful. Interesting, because new flowers open daily—"you know not what a day may bring forth." It will be found very useful, for here you may get your bouquets, without fear or favor, whenever you choose, and thereby save time in beds and borders. They are also especially adapted for producing a display on large borders, or sowing along woodland walks, railroad embankments, for hiding an unsightly fence, stump, etc., and will convert any dreary spot into a wilderness of bloom and fragrance.

Nothing in the way of flowers, delights children more than this WILD GARDEN, chiefly because they can be allowed to pick their own bouquets without stint.

Sow in drills two feet apart, or even broadcast. Cover lightly and keep the soil from drying out until started. Keep the weeds out and the plants will do the rest.

OUR EXTRA CHOICE MIXTURE contains many kinds and colors of splendid, easily grown flowers, and has become very popular. Large Packet, 10c.; ½ oz., 15c.; oz., 25c. Ask for Special Price by the Pound.

OUR BRIGHT ARRAY 25c. COLLECTION OF

Flower Seeds

ASTER, Queen of the Market. Comes about two weeks earlier than other sorts. Very free bloomer, long stems, good for cutting.

CENTAUREA, Improved. "Bachelor's Buttons," with large sweet-scented flowers; excellent for cut flowers; very lasting.

DIANTHUS PINKS. A beautiful class of hardy Pinks many of which produce fine large blooms quite similar to Carnations.

MIGNONETTE, Grandiflora. Of pyramidal form and giant size, 12 to 14 inches; very deliciously perfumed.

MORNING GLORIES, New Japanese. No end to variety of colors, from snow-white to all shades of blue, red, palest pink, darkest reds and purples; mottled, striped and beautifully bordered.

MORNING BRIDE. Very handsome flowers; fine colors; last a long time after cutting.

NASTURTIUM, Tall Madame Guepier Hybrids. For richness and variety of color this strain has no superior.

PANSIES, English Face. Each blossom is marked with a distinct face.

SWEET PEAS, Dwarf Cupids. Mixed colors; makes a dwarf, compact plant; grow only 6 to 10 inches high.

One full sized packet each of above "Easy to Grow" Flowers for 25c., postpaid.

COLLECTION ODD FLOWER SEEDS, 40c.

Consists of desirable varieties which, if better known would be more generally grown. We make this special offer that all may give them a trial this season. One FULL SIZED PACKET each ADLUMIA, CALENDULA, ESCHSCHOLTZIA, GAILLARDIA, GYPSOPHILA, SMALL SUNFLOWER, HYACINTH BEAN, LYCHNIS, NICELLA, SCABIOSA, SALPIGLOSSIS, VINCA, WHITLAVIA and WALLFLOWER—14 Full Size packets in all for ONLY 40c.

ABARGAIN IN VINES ONLY 25c.

One regular full sized packet each finest summer blooming Vines—BALLOON VINE, BALSAM APPLE, CANARY BIRD VINE, CYPRESS GOURD, HYACINTH BEAN, JAPANESE MORNING GLORY, NASTURTIUM, SWEET PEAS. You need them to cover screens, fences, stumps, porches, etc. All for 25 cents, postpaid.

LIVINGSTON'S

50c. Bargain Collection of Flower Seeds

Consists of ONE FULL-SIZED PACKET EACH of the following most effective annuals, sent free by mail on receipt of 50 CENTS. At regular prices it would cost \$1 05. Varieties and mixtures are choice, including best colors and MANY NEW AND RARE KINDS. A continuous succession of flowers from early summer until frost.

A GREAT OFFER

ASTERS, Double, mixed. Perfect type; flowers very large, rich, brilliant.

BACHELOR'S BUTTONS. A choice mixture of best colors and kinds.

BALSAMS, Double Camelia Flowered, mixed. Splendid mixture of best sorts.

CALIFORNIA POPPY, mixed colors. One of the best garden plants, and easy to grow. Large, brilliant saucer-shaped flowers.

COSMOS, Early Dawn. Produces a mass of elegant foliage; flowers borne on long slender stems. Nothing finer for cutting.

DIANTHUS, mixed colors. Beautiful double flowers; many shades and mark us.

GAILLARDIAS, mixed. One of the best annuals for cut-flowers.

GOURDS, Ornamental, mixed. Of rapid growth and beautiful foliage. A great variety of curiously marked odd shaped fruit.

MARIGOLD, mixed colors. Handsome flowers of rich and beautiful colors; compact foliage. Very useful plants.

MIGNONETTE, Golden Machel. Golden-yellow flowers, deliciously fragrant, large spikes.

NASTURTIUM, Climbing. Beautiful and luxuriant climber of easy culture, 8 to 10 feet.

PANSY, Large Flowering. A very fine mixture of many choice kinds and colors.

PETUNIA, Blotched and Striped. Mixed with other superb kinds, including large flowering.

PHLOX DRUMMONDII, Large Flowering. A rich and brilliant variety of colors, not excelled for massing or constant display.

POPPIES, Livingston's Mixture of many excellent kinds and colors. Sure to please.

SWEET PEAS, Eckford's Gilt Edge Mixture. A very superior and deservedly popular mixture.

VERBENA, Hybrids, choice mixed. Showy, distinct and beautiful; many colors.

VINE, Large Flowering. Mixture of many colored and fine

Flower Plant Department.

At the prices here given we send BY MAIL, EXCEPT WHERE OTHERWISE NOTED, and unless specially ordered otherwise. When Bulbs, Roots or Plants are sent by Express, at purchaser's expense, we can usually send larger quantities than if sent by mail, and more safely packed. When Seeds and Bulbs or Plants are ordered together, the Seeds, Bulbs, etc., not injured by frost will be sent at once, and the tender ones as soon as possible without danger of injury from cold weather.

We feel justified in calling special attention to this department, which is now under competent management and requires twelve large greenhouses to supply our rapidly increasing trade in this line. The houses are located on our own farm and are strictly up-to-date, having all modern appliances for producing strong and vigorous stock. Our local trade in plants affords us the opportunity of learning exactly what is needed and we pride ourselves in having most complete assortments of really valuable varieties; this is especially true of Carnations, Cannas, Chrysanthemums, Geraniums, etc. SPECIAL OFFERS AND COLLECTIONS WILL BE FOUND AT THE FOOT OF THE SEVERAL LISTS.

ABUTILON. FLOWERING MAPLE.

Each, 10c.; dozen, \$1.00, except as noted.

Boule de Neige—Pure white flower; blooms winter and summer.

Savitzki—Plant dwarf and compact; foliage beautiful green, with deep white border on each leaf. Fine border plant, making pleasing contrast with other plants. Each, 15c.

Golden Fleece—Fine, pure bright yellow; free bloomer.

Eclipse—Has golden spotted leaves; flowers bright yellow. crimson throat; suitable for baskets and vases.

Splendens—Dwarf; deep red flower.

ACHILLEA—See Hardy Perennial Plants.

Achyranthus. Highly colored bedding plants, like Coleus; adapted to sunny locations.

Acuminata—Large bronzy foliage. Each, 10c.

Emersoni—Foliage deep red, shading to pink. Each, 10c.

See also Coleus for Collection of Foliage Plants.

Ageratum. Lovely dwarf flowering plants, excellent for edging.

Stella Guernei—Bright blue; a fine hedder.

Princess Pauline—Beautiful blue and white; attractive.

Each, 10c.; doz., 50c.

ABUTILON SAVITZKI

Aloysia Citradora. (Lemon Verbena)—An old favorite, prized for its deliciously scented foliage. Each, 10c.

See also our Fragrant Collection under Heliotrope.

Amaryllis. Beautiful Lily-shaped flowers, fine for pots, and should be in every window. No hulk is easier to manage; pot them when received and they will soon begin to grow and bloom.

Johnsoni—Bears 3 to 6 large brilliant, rich, deep red flowers with broad white stripes in the center of each petal blending finely; flowers 6 to 8 ins. across and quite fragrant. Each, 35c.; 3 for \$1.00.

Formosissima (Jacobean Lily)—Of an intense crimson velvet color, flowering early in pots of soil, or can be grown in a dish of water, with a few pebbles for support, and will bloom in a few weeks. Large bulbs, each, 15c.; 2 for 25c.

AMPELOPSIS VEITCHII—See Hardy Climbers.

Aspidistra Lurida. A very useful decorative plant, succeeding in almost any location. Good hall or corridor plant. Each, 25c.

Asparagus, Ornamental.

Asparagus Sprengeri. Climbing indoor plants of rare beauty; handsome when drooping from a pot or basket; sprays 4 to 5 feet long, of fresh green feathery foliage, useful for bouquets, wreaths or sprays; remains for weeks after cutting; grows freely they year round and succeeds where most other plants fail. Good Plants, each, 10c. Large Plants, each, 50c. and \$1.00.

Asparagus Plumosus Nanus (Climbing Lace Fern)—Very graceful climbing plant; foliage equal to the most delicate fern, and will last for weeks after cutting; succeeds under almost any condition. Good Plants, each, 10c. 3 for 25c. Stronger Plants, each, 20c. Large Plants, each, 50c.

See our FOLIAGE PLANT COLLECTION for offer of above Asparagus with other plants, under list of Palms.

Bougainvillea
Glabra
Sanderiana.

(Chinese Paper Plant)

Flowers soft rosy crimson; very durable; blooms when quite small, and can be easily trained to any shape. Each, 10c.

CLIMBING LACE FERN.

BEGONIAS

Begonias.

BEDDING VARIETIES.

Vulcan—A grand new Begonia. Has an intense scarlet bloom.

Erfordia—This variety is compact and symmetrical in form; foliage brilliant green, which is literally covered by its rosy-salmon flowers.

Triomphe de Lorraine—Doubtless, bright cherry-red flowers; fine, also, useful as a house plant.

10c. each; dozen, 60c. The Set of 3 for 25c.

HOUSE VARIETIES.

Argentea Guttata—A handsome foliage variety. Purple bronzed leaves, oblong in shape, with silvery markings; white flowers.

Dewdrop—Very pretty plant having bloom of snowy whiteness.

Metallica—Grand for tall specimen plants. Thick panicles of pink buds and white flowers against large red veined leaves of glistening bronze green.

Sandersoni—Bushy growing variety with glossy deep green leaves. Flowers in clusters of drooping, scarlet, heart-shaped buds.

Rubra—Dark glossy green leaves. Free flowering. For house or conservatory. Flowers a rich coral red, in large pendant panicles.

Above each, 10c. The Set of 5 for 35c.

GLORIE DE LORRAINE—A grand new variety, exceeding in showiness any other flowering Begonia. A novelty of the most sterling merit, and we can recommend it in the highest terms. It makes a graceful plant about one foot high, loaded with rose-colored flowers of great beauty, borne on large drooping panicles. The foliage is a light pea green, making a pleasing contrast with the bloom. Specimen plants frequently sell at \$1.50 to \$5.00. Strong Plants, each, 25c.; doz. \$2.50, postpaid.

MANICATA AUREA—One of the finest ornamental foliage plants for the house; large glossy leaves, clothed with creamy white, and with carmine etching on the more mature leaves. Each, 15c.; 2 for 25c.

TUBEROUS ROOTED.

Among the most popular of all blooming bedding plants. They produce a constant succession of the most brilliantly shaded flowers until frost.

SINGLE VARIETIES—Large, well ripened tubers. White, Yellow, Pink and Crimson—Each, 10c.; 4 for 30c.; dozen, 50c.

SINGLE, mixed—Many varieties. Each, 10c.; 4 for 25c.; dozen, 75c.

DOUBLE VARIETIES—Finest mixture, many varieties. Each, 15c.; 4 for 50c.; dozen, \$1.50.

REX VARIETIES.

Louise Closson, Bertha McGregor, Queen Victoria, Queen of Hanover, Inimitable, Marquis de Peralta. Each, 10c. The set of 6, 50c.

BEGONIA COLLECTION.

No. 13. 10 Lovely Flowering Begonias in 10 varieties. 50c. A choice collection of beautiful house plants.

Caladium.

ELEPHANT EARS.

plant does, adding greatly to the lawn or garden by its massive tropical-like foliage. The leaves being veined with different shades of green; when massed alone, or with Cannas, they produce a most striking and beautiful effect. They are of easy culture, and will grow in almost any garden soil, but if especially large plants are wanted they should be planted in a well enriched soil and given water in abundance throughout the season. The bulbs may be kept over winter by taking up in the fall when frost kills the foliage; leave some soil on the roots, dry gradually in a dry, airy, shady place for several days, then pack in a shallow box in dry sand or soil and store in a dry, warm cellar.

Prices—First Size Bulbs—1½ to 2½ inches in diameter. 15c. each; 3 for 40c.; dozen, \$1.40.
by Second Size Bulbs—2½ to 3 inches in diameter. 20c. each; 3 for 50c.; dozen, \$1.75.
mail, Third Size Bulbs—3 to 4 inches in diameter. 30c. each; 3 for 85c.; dozen, \$3.00.
postpaid. Extra Large Mammoth Bulbs—4 inches and over. 50c. each; dozen, \$5.00.
By Express not paid—First Size—Dozen, \$1.00; 100 for \$5.00.
Second Size—Dozen, \$1.50; 100 for \$7.50. Third Size—Dozen, \$2.50; 100 for \$14.50.
Extra Large Mammoth Bulbs—Dozen, \$4.50; 25 for \$8.50.

CARNATION

Flora Hill—Grand white sort. Enormous flowers; free bloomer; also good winter variety.

G. H. Crane—A clear brilliant scarlet; early; an all season bloomer; well formed flowers; 15 to 18 inch stiff stems; a robust grower.

Dorothy—Bright pure pink; a long keeper; fine shape.

Ethel Crocker—Fine dark pink; large size; long stems.

Mrs. Joost—Very free bloomer; color, fine soft pink; good size.

Each, 10c. The Set of 5 Strong Plants, 35c.

WINTER BLOOMING SETS—5 Sorts for 35c.

Morning Glory—A beautiful flesh color; healthy; compact grower; medium length, stiff stems; a continuous bloomer.

Golden Beauty—Fine lemon-yellow, petals slightly tipped with pink; very large; long wiry stems.

Gov. Wolcott—Grand new white; sweet scented; a free bloomer.

J. H. Manley—Orange-scarlet; large size; stiff stems; fragrant.

Mrs. T. W. Lawson—Of immense size—3 to 4 inches in diameter. Long strong stems, color, bright cerise pink.

Each, 10c. The Set of 5 for 35c.

CHRYSANTHEMUMS.

No Finer Varieties can be found than those in this list. Each one is a Gem of its kind.

12 GOOD POT VARIETIES.

Lavender of the Pacific—The best early pink to date. A pure, delicate

glowy pink; very effective; large size; fine broad petals.

Estella (White Pacific)—Too much praise cannot be put on this variety.

Fine as a white Peony. Very early.

Mrs. F. Bergman—One of the earliest white; very fine; stiff stems.

Harry Farr—A splendid lemon-yellow variety; large size; early.

Ivory—Early. Pure white; a splendid free flowering variety, for its grand

globular form, its Dablia-like petals and absolute purity of color.

Pink Ivory—Extra large, incurved, clear rose pink blooms; early.

Mary Hill—Bright shade of pink; very full and rounded in form; strong

stem and fine foliage; one of the best.

Black Hawk—Looks like crimson velvet; a shade long desired.

W. H. Lincoln—Bright yellow; large, splendid flower; long stems; late.

Lavender Queen—Large blooms of great depth. Soft lavender pink. Late.

Major Bonafon—A grand yellow; incurved; petals large; second early.

Marie Lieger—Grand; fine shade of pink; strong stems covered with leaves.

Each, 10c. 6 for 40c. The Set of 12 for 75c.

12 GOOD CUT-FLOWER VARIETIES.

Mrs. Henry Robinson—An early white, blooming with us October 5th.

Mrs. O. P. Bassett—Large, clear yellow; very beautiful; early.

Col. Appleton—Dwarf, strong stems; elegant foliage; enormous, sized in-

curved, golden-yellow bloom. A great beauty.

Vivian-Morel—Light rose, creamy white and pink; very fine; 2nd early.

Wm. H. Chadwick—Immense bloom; waxy-white, tinted pink; late.

Charles Davis—Grand size, beautiful form; rich orange-yellow.

Timothy Eaton—Very large, pure white, incurved Japanese variety; perfect

in form, stem and foliage. In bloom until Nov. 15th.

Willowbrook—Fine, pure white; large, very showy; early.

Madam Dean—Large, late; incurved; petal broad; pink, almost rose.

Yellow Eaton—A good clear yellow, quite similar in form to Timothy Eaton.

Golden Wedding—Large size, rich golden-yellow; vigorous; second early.

Convention Hall—Exceedingly vigorous; tall; strong stems; large, white,

beautiful, incurved flowers; extra fine.

Each, 10c. Any 6 for 40c. Set of 12 for 75c.

CALLA, NANA COMPACTA

Calla Lilies.

NEW DWARF EVER-BLOOMING

CALLA, "Nana Compacta"—A great im-

provement over the Little Gem variety.

Grows more robust and healthy, having an

abundance of foliage and producing flowers

in greater number and size; in fact, it

is purely without a blossom. Each, 25c.

Large White—Will always be a favorite because of its easy culture, waxy-white flowers

and healthy green foliage. Each, 15c. and 25c.

Spotted Calla—Smaller than White Calla. Leaves, a glossy deep green with numerous

varieties. Similar to the common White Calla in habit of growth, size and shape of bloom,

but has a rich, clear golden-yellow flower; also the green leaves are beautifully spotted with

creamy-white. Bulbs of this variety recently sold at \$5.00. Now offered at 75c. each.

FANCY SET CARNATIONS.

Prosperity—Extreme in size, frequently 4 inches; color, white, spotted

pink; very fine.

Gov. Roosevelt—Bright crimson, shaded maroon; splendid foliage.

Each, 15c.; 2 for 25c.

CARNATION COLLECTIONS.

No. 11. 10 choice Carnation Pinks; large, double, fragrant, in several

sorts for summer blooming. 50 cents.

No. 12. 10 fine sorts especially adapted for winter blooming in

pots. 50 cents.

Chrysanthemum Frutescens. (Marguerite or Paris Daisy.)

California Giant—Pure white. Etol de Or—Yellow.

Each, 10 cents. The 2 for 15c.

CHRYSANTHEMUM COLLECTIONS

No. 10. We will send 12 Chrysanthemums, of the large flower-

ing kinds, in 12 varieties, all fine for cutting and correctly

labeled, for 50 cents.

PRIZE CHRYSANTHEMUM SET.

20 PRIZE WINNERS. This collection includes the most desirable

varieties, and goes over the entire range of color, form and size.

If you desire to be up-to-date in Chrysanthemums, try this collection.

20 Plants, \$1.00

Cannas

The Canna is one of the most beautiful of all Bedding Plants.

It has long been a great favorite, but since the introduction of many new varieties their value has been greatly increased by adding to the already attractive foliage large flowers of the most brilliant colors, so that they are now indispensable. No other plant is better adapted to our climate, and nothing costing so little, excels them for masses and beautiful foliage, as well as the abundance of dazzling bloom in many shades. Many of the following dwarf varieties, after blooming all summer, are suitable for winter blooming, if potted before frost. Plant outdoors about the middle of May, if weather is warm and settled. Do not water too freely until well started, then they should have an abundance.

Below will be found a **SELECT LIST** of the best and distinct old and new varieties.

We supply **Roots** up to about **April 1st**, and **Plants** after roots are gone.

New Giant Orchid Flowered Varieties.

America—Foliage a flower color with dark red hues, and shining as if varnished. Flowers enormous, glowing purplish red, flamed and striped. 4 feet.

Pennsylvania—A grand new giant flowered variety, six inches across; of a deep solid red. Free bloomer. Foliage green. 5 to 6 feet.

Allemania—Enormous flowers; outer petals scarlet with broad yellow border, inside of bloom scarlet and dark red. Foliage dark green. 4 to 6 feet.

Burbank—Flowers 6 to 7 ins. across, mostly semi-double; beautiful rich canary yellow; throat finely spotted crimson. 5 to 6 feet.

Kate Gray—Flowers of large size, 5 to 6 ins. across; a rich orange-scarlet, streaked with golden-yellow; of great substance and fine form; large spikes thrown well above the green foliage. 6 to 7 feet.

Price of above, each, 10c.; dozen, \$1.00. The Set of 5 for 45c.

DARK or BRONZE-LEAF VARIETIES.

Bronze Beauty—Bronze leaf, green stalk; a strong grower; deep vermilion orange. 5 feet.

Robusta—One of the most effective of all dark-leaved varieties, valuable on account of its luxuriant dark bronze foliage; leaves 12 to 18 inches wide, 30 to 36 inches long. We have a fine lot of roots. 6 to 8 feet.

David Harvey—Flowers of large size; bright vermilion dotted with crimson; extra free bloomer; well rounded and good substance; foliage dark bronze. 3 ft.

Black Beauty—The handsomest of all dark-leaved varieties. Foliage large and massive, of richest bronzy purple, shading to almost black, with undulating edges to the leaves. Planted with the large flowered sorts the effect is grand. 4 to 5 feet.

Above, each, 10c.; dozen, \$1.00. The Set of 4 for 35c.

GILT EDGE VARIETIES.

Gloriosa—Dwarf; color, bright rich crimson, with wide border of deep golden-yellow. Showy and handsome. 2 feet.

Queen Charlotte—Rich crimson-scarlet, with wide gold border on every petal. A profuse bloomer. Broad green leaves. 3½ feet.

Souv. de Antoine Crozy—Large full spikes. Rich crimson flowers, bordered with golden-yellow. 3 to 4 feet.

Above, each, 10c.; dozen, \$1.00. The Set of 3 for 25c.

CRIMSON AND SCARLET SHADES.

Alphonse Bouvier—The standard crimson; large; bright. 6 feet.

Beaute Poitevine—The ideal bedding Canna, always in good condition in all kinds of weather; bright rich crimson. 3 feet.

Duke of Marlborough—The darkest and richest colored Canna to date; velvety maroon. Finely shaped flowers in large trusses. Vigorous grower, constant bloomer. 4 feet.

J. D. Eisele—A fine vermilion-scarlet, shaded orange; flowers of large size, with broad petals; erect heavy truss, well above the green foliage. 5 feet.

President McKinley—No better dwarf. Brilliant crimson, with bright scarlet shading; truss large, compact, of good shape, held well above foliage; free bloomer. 2½ to 3 feet.

Sam Trelease—A fine new vivid scarlet, of ideal form; petals broad and overlapping, golden-yellow at the base. Freest bloomer of all. Foliage green. 8 feet.

Above, each, 10c.; doz., \$1.00, postpaid. The Set of 6 for 55c.

SUNDRY SHADES.

Mlle. Beret—Green foliage. One of the best bedders. A very soft shade of rose-carmine. Petals long and haug gracefully. 5 feet.

Buttercup—Real bright buttercup-yellow, large, handsomely formed flowers in fine trusses, always clean and bright; sheds the old flowers, thus leaving the trusses always fresh.

Florence Vaughn—Petals remarkably wide, of good substance; very large yellow flowers, thickly dotted with bright red. Foliage green, broad leaves. 2 to 3 feet.

Alsace—The nearest to a white Canna, pale sulphur-yellow, changing to creamy-white; dwarf; profuse bloomer. 4 feet.

Rosemawr—Bright rose, mottled pink. 3 ft.

Above, each, 10c.; doz., \$1.00, postpaid. The Set of 5 for 45c.

Coleus.

One of our most beautiful bedding plants. The colors of foliage run through an endless variety of shades. Each, 10c.; 3 for 25c., postpaid. By express, (not paid), 50 for \$2.25; 100 for \$4.00.

SPECIAL OFFER.

13 Coleus. The best and most distinct varieties of the newer kinds, for 50 cents, postpaid.

Chenille Plant.

"Comet Plant," (Acalapha.)

A novel and striking plant.

Sanderi—Bright red, rope-like, often 18 inches long, and 1 inch thick, drooping, produced at each leaf joint. Loves a warm, moist location.

Marginata—Large dark green foliage, margined rose; a good bedding sort.

Tri-color—As name implies it has several rich colors blended.

Each, 15c.; the 3 for 35c.

CHENILLE PLANT

CANNA COLLECTIONS. LIVINGSTON'S DAZZLE 6

CANNA SET.

A very popular Set. Six of the very best, richest colors, largest flowering types, all different sorts, selected for their bright and dazzling colors. Of easy growth. Hard to beat anywhere. Bound to Please everywhere. Try a set. **ONLY 50 CENTS**, postpaid.

GRAND BEDDING COLLECTION.

1 Alphonse Bouvier, 6 feet, 3 Duke of Marlborough, 4 feet, 6 President McKinley, 3 feet—10 fine bulbs for **75 CENTS**. Plant Alphonse Bouvier in center of bed, surrounded by Duke of Marlborough and edged with President McKinley.

SURPRISE COLLECTION.

15 LARGE BLOOMING CANNAS FOR \$1.00, Postpaid.

This collection includes those varieties having flowers of crimson, scarlet, yellow, orange, spotted and gilt edge shades, also bronze-leaved sorts, taken from our splendid collection grown at True Blue Farm.

SEEDLING COLLECTION.

A grand assortment of varieties may be expected from this collection. Many not contained in list herewith. No finer lot of plants offered by anyone at any price. All blooming sizes. 18 for \$1.00; 100 for \$3.50; 1000 for \$30.00.

SEE FIRST EIGHT PAGES FOR OTHER DESIRABLE NEW FLOWER PLANTS AND SEEDS.

Wm. Davis, Los Angeles Co., Cal., writes: "Have used your seeds in Pennsylvania and California—in all 20 years—and they can't be beat."

Ellis J. Hoover, Nemaha Co., Kansas, writes: "The seeds ordered from you last season were very very good. The Sweet Peas were fine. I had all the flowers anyone could wish for."

Mrs. R. M. Hurt, Dallas Co., Texas:—"Have always found your seeds and plants just as you represent them to be, first-class."

Dahlias.

arranged bouquet of long-stemmed Cactus or single Dahlias.

Culture.—While it is one of the easiest of all flowers to cultivate, it by no means follows that it needs no attention. In fact, no flower will give such generous response to good cultivation. Deep and thorough stirring of the soil during the early growth of the plant is indispensable, but later in the season frequent surface cultivation only should be given. Plant in an open, sunny situation, at least where the sun reaches them the greater portion of the day. It is a rank feeder, and should have well-enriched soil; keep free from grass and weeds. Cultivation should cease when the blooms appear; simply water liberally in dry weather. Plant the bulbs 2 to 3 feet apart, according to size and habit of the plant, about 4 inches below the surface of the ground, laying the bulb on its side. Varieties growing 3 feet or more in height should be tied to stakes to prevent falling over. Plant about the first of May in this latitude, or when the ground has become warm.

Winter Protection.—As soon as the frost has killed the foliage, the roots should be carefully taken from the ground and the soil shaken from among them; they may be stored away in a cool place, not too dry, but secure from frost.

Dahlias are divided into six general classes, and the following rules apply only in general: **Cactus.**—The long, narrow petalled varieties, the petals generally pointed or twisted.

Decorative.—Broad, flat petals, formerly classed with Cactus. **Fancy.**—Variegated. **Pompon.**—The small, round Dahlias; plants generally dwarf and bushy.

Show.—Large, well-formed flowers, showing solid colors, but may have shaded tips.

FILLING ORDERS.—We send dormant roots, as weather will permit, up to about April 15 after which we send good pot-grown plants.

Prices of all Dahlias are postpaid, unless otherwise quoted, each, 15c.; 3 for 40c.; 10 for \$1.50.

Three New Cactus Dahlias.

MRS. WINTERS.—Grandest of all white Dahlias to date. Pure waxy white, without tint; free bloomer, large size and full center. Plant spreading; 3 feet. Each, 35 cents.

BAVARIAN FLAG (Badenia).—The first really variegated Dahlia in the Cactus section. Color, clear, bright orange, striped and flecked with blood-red; petals long and curved; flowers large; plant erect, robust. Each, 25c.

DR. GATES.—New Cactus Dahlia first offered in 1902. Color, lovely shade of sea shell pink, shading to blush at base of petals. Flowers even in size and form, and borne on good strong stems above One each of above for 65c., postpaid.

2 New Single Collarette Dahlias

JOSEPH GOUJON.—Flowers quite large, orange-red, shading to deep red, with light yellow collar; has 10 to 12 petals instead of 8 as with common sorts. 25c.

PRES. VIGER.—Beautiful and striking; rich, deep blood-red, shading darker at the base of petals; collar pure white, but sometimes suffused with red. Very early and a free bloomer. Each, 25c.

One each of above 5 New Double and Single Dahlias, \$1.00, postpaid.

Snowclad.—Very finest White Pompon to date. A strong grower of branching habit; a profuse bloomer; perfect form; always full to the center. Largely grown by florists for design work.

GRAND DUKE ALEXIS

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut-flowers. We know of nothing more showy for table decoration than a lovely bouquet of Dahlias.

WM. AGNEW

CACTUS DAHLIA CLASS.

Wm. Agnew.—Richest shade of intense dazzling red and the largest in size, sometimes 7 inches across; magnificent flower in color and form; always full to center; long petals, outer row beautifully twisted.

Nymphæa.—As a cut-flower unexcelled in Dahlias; large and graceful; robust grower; a novel, clear delicate pink, not unlike a water-lily in form and color; in bloom from June until frost. 3 feet.

The Queen.—Pure snow-white; flowers of perfect shape, large size, with broad petals somewhat pointed. One of the best for cutting.

Clifford W. Bruton.—Flowers very large, perfectly full; color, a solid yellow, very clear and rich; long, graceful stems. Robust grower and profuse bloomer.

Each, 15c. The Set of 4 for 50c.

DECORATIVE DAHLIA CLASS.

Admiral Dewey.—A valuable new variety; large flower of rich pure purple.

John Elitch.—Flowers very large, 5 to 6 inches in diameter, and double to the center; color, bright dazzling red. 6 feet.

Claribel.—Very large, bright rosal purple, with long stems; fine for cutting.

Henry Patrick.—A superb pure white; large size; borne on long stems.

Prince of India.—Very large and perfect; a beautiful rich rosy crimson.

Each, 15c. The Set of 5 for 60c.

SHOW DAHLIA CLASS.

Storm King.—Extremely early, profuse and constant bloomer; strong, vigorous grower of dwarf branching habit, and produces its flowers on long stems. The flowers are snow-white, of perfect form, and full to the center. As cut flower it is ideal.

A. D. Livoni.—Most perfect in form; a delicate rose, soft and clear; very graceful; medium to large; early; a great bloomer. 3 feet.

Kate Haskins.—Lovely soft pink; petals beautifully quilled. 3 feet.

Miss May Lomas.—One of the grandest in the entire list. Flowers have very large, shell-like petals of exquisite waxy finish; pure white, faintly suffused with soft, rosy lavender.

Pink Dandy.—A pure pink; flowers large and stems long. The flowers are of beautiful form, with full rich center.

Grand Duke Alexis.—Large, massive flowers, six inches in diameter; beautiful color; ivory white; petals tubular sufficiently open to show a faint shade of blush pink. 4 to 5 feet.

Each, 15c. Set of 6 for 75c.

SEEDLING DAHLIAS. An immense variety of shades and colors; not named, but every one a good one, and there is bound to be some surprisingly fine ones. Cheapest way to secure a large bed of Dahlias at small cost; all of blooming size. 15 fine plants, \$1.00, \$2.00, \$4.00, 1000, \$35.00.

COLLARETTE DAHLIA

FANCY DAHLIA CLASS.

Judah.—Distinct and pleasing; of dwarf, branching habit; color, clear gold, spotted and penciled deep crimson; early and free bloomer.

Black Prince.—Large, intense velvety maroon, almost black. Blooms in great profusion.

Admiral Schley.—Color, bright crimson, with a broad white stripe through the center of each petal; large size; profuse bloomer; of strong growth; large and full flowers.

Uncertainty.—Varies from white, marbled blush and carmine to solid crimson maroon on the same plant, with intermediate variations.

Each, 15c. The Set of 4 for 50c.

SINGLE DAHLIAS.

Much used and very suitable for cut-flowers on account of their beauty, grace and long stems.

TRY A SET.

Cloth of Gold.—A large, fine, light yellow.

Snow Queen.—Beautiful pure white.

John Cowan.—Bright, rich scarlet.

15c. each. The Set of 3 for 35c.

Dahlias in Sets.

We offer Dahlias in sets as follows.

varieties—only 50c. per set of 4, postpaid.

4 Best Red Dahlias. 4 Best Yellow Dahlias.

4 Best Pink Dahlias. 4 Best White Dahlias.

BIG 4 SET Contains 4 of the very largest Dahlias known. Each one is cuttings distinct in shade or form. The Set for 50c.

OSTRICH PLUME FERN.

FUCHSIAS.

Price, 10c. each. The Set of 5 for 40c.

Black Prince—Large expanded corolla of reddish color; habit of growth extra fine. One of the most abundant blooming varieties that we have.

Lustre—Tube and sepals pure white, vivid crimson corolla; free bloomer.

Rosaline Patri—Strong and bushy, beginning to bloom quite early in the spring and continuing very late. Tube and sepals are brilliant deep scarlet, thick and leathery in texture; corolla very large, double, and pure white.

Mrs. E. G. Hill—Sepals bright red; corolla very double, and free bloomer. Very fine.

Dr. Topinard—Flowers large, fine; corolla white; sepals rich cherry red.

SPECIAL OFFER. 10 Fuchsias, especially selected for window culture. Single and Double sorts. 50 cents.

Remember an order sent to us in 1904, secures not only the Fall Catalogue of Hyacinths, Tulips, Narcissus, Crocus and other Bulbs, but also the new Seed Annual for 1905.

Dracaenas. Very useful ornamental plants classed with the Palms, Rubber Plants, etc., and will be very popular when they are better known.

Indivisa—Green and bronze; narrow leaves; a very graceful plant for the center of vases or hanging baskets. Each, 25c.

Terminalis—A splendid plant for houses and window decoration, with bright tropical looking foliage of rich crimson color, beautifully marked with white and pink in well developed plants. Each, 25c. and 50c.

Godseffiana—New. Free branching habit, forming compact and graceful plants. Foliage of strong leathery texture, rich dark green, marked with numerous irregular dots and spots of cream color. Very fine. Each, 50c.

One each above Set of 3 Finest Dracaenas for 75c.

Farfugium Grande. (Leopard Plant)—Beautiful ornamental plants grown largely in pots and used much the same as Palms, etc. They also do well in open ground if shaded a portion of the time. Leaves thick and of leathery texture, dark green with many spots of bright yellow. Each, 25c.

FERNS.

New Ostrich Plume Ferns.

(PIERSONII)—A very beautiful new variety of the famous Boston Fern which has created quite a sensation, having received a number of Gold Medals from some of the largest and most critical Horticultural Societies in this country. Well developed specimens have produced fronds 4 feet in length, beautifully cut and frilled on the edges. Its distinctive feature is found in its leaflets or pinna, which are miniature fronds themselves, unfolding in the same manner as the large ones. This constant unfolding of the plant has the effect of giving it two shades of green, which are very pleasing. An exceedingly graceful plant with its arching fronds of wavy, plume-like appearance. Strong Plants, 50c.; 3 for \$1.25.

ANNA FOSTER—Quite similar to Piersonii, but the fronds are more finely cut and lie more flat, hence, does not have the curled or fluffy appearance so noticeable in Piersonii. A very desirable variety, however, and one which will, no doubt, have many admirers. Strong Plants, 30c.

BOSTON FERN.

The Boston Fern is sold by the thousands. Its fronds frequently attain a length of 4 feet. They arch and droop very gracefully. An elegant plant to grow as a single specimen on a table or pedestal. Also very beautiful in a hanging pot or basket on a porch in summer or in the window in winter. One of the finest ornamental plants ever introduced.

Price, postpaid—Small Plants, each, 10c.; from 3-inch pots, 15c.; 4-inch pots, 25c. **By express, not prepaid**—Good Large Plants, from 5-inch pots, 50c.; 6-inch pots, 75c. **Extra Large Plants**, with fronds from 2 to 3 feet in length; from \$1.00 to \$5.00 each, according to size.

Japanese or Globe Fern.

This is one of the most satisfactory house ferns ever offered. We import them in their dormant state, being in the shape of a large ball 6 to 8 ins. in diameter. The center is moss, covered with fern roots in an ingenious manner, looking like a ball of roots twisted together. All that is necessary to start them growing is to immerse them two or three times a week in water. In a very short time they start into life and are soon covered with beautiful green foliage. The leaves are very lasting and attractive. They make very ornamental plants and are hung up the same as hanging baskets. **Balls, 8 inches in diameter, ready to hang up, each, 75c.; 3 for \$2.00. Smaller Size, each, 50c.; 3 for \$1.35, postpaid.**

Small Ferns for Fern Pans.

We have a very fine collection of small Ferns, suitable for Fern Pans or Dishes. Nothing makes so fine an ornament for the dining table, and their use is now very general. Nothing finer or so well adapted for the purpose.

We offer the following well-known and beautiful varieties; *Pteris Cretica Alba Lineata*, *Serrulata*, *Tremula*, *Vulgaris*, *Adiantum Cuneatum*, *Decorum*, *Grandiceps* and *Cyrtometum*.

Each, 10c. The Set of 8 for 75c., postpaid.

Moss Fern.

(*Selaginella Emiliania*)—These are so useful in connection with small Ferns in pans or baskets we have thought best to offer them here. Has delicate lace-like foliage; always fresh and green. Easily grown. Each, 10c.

JAPANESE FERN BALL

Winifred Mitchell, Geneva Co., N. Y., writes: "I have been very much pleased with your seeds and would like to have you send me your Fall Catalogue."

New and Standard Geraniums.

COMPRISING VARIETIES OF THE HIGHEST MERIT.
NOT AN UNDESIRABLE ONE IN THE WHOLE LIST.

Superb Double Geraniums. 10c. each; 6 for 50c.

Beaute Poitevine—One of the finest semi-double, of splendid color, a bright salmon-pink, and shaded from deep orange to pure salmon. Trusses, as well as single flowers, are of immense size.

Mrs. Francis Perkins—The grandest bright pink bedder to date. A fine grower, and perfectly sunproof. Free bloomer. Long stems.

Hubert Charron—A beautiful semi-double flower; pure white with a reddish carmine band around each petal, frequently delicately mottled. Good for potting or bedding.

Beteranthe (Double General Grant)—Clear vermilion-red flowers, showing well above compact, sturdy foliage. A splendid variety.

La Favorite—Most beautiful double white. An excellent bedder.

S. A. Nutt—The very best of the dark crimson-scarlet bedders.

Jean Viand—The Queen of Pink Beauties—Soft, pure pink; semi-double, with two white blotches. Dwarf, stocky grower, rigid stems, large trusses, perfect florets; continuous bloomer; withstands the rain.

Mme. Landry—Double. Very free and constant in bloom. Trusses large, and florets of finest size and form. Color, clear salmon, center shading to copper, with a white eye. Very distinct.

Alphonse Ricard—Large flowers in great masses; dwarf and branching. Color, bright vermilion-scarlet.

Le Soleil—Finest new double scarlet variety; a strong grower of healthy foliage, and bloom is produced on long stems in very large trusses well above foliage.

Mme. Jaulin—Center of bloom fine peach pink shade, with wide margin of pure white.

M. Jules Dispot—Beautifully shaded, rich violet-crimson flowers with lilac center; always rood large size. Fine pot plant.

Above 10c. each; any 6 for 50c. The Set of 12 for 85c.

SPECIAL OFFER FOR DOUBLE GERANIUM BED. 3 plants new Le Soleil, for center. 7 plants S. A. Nutt, for body of bed, and 10 plants Mme. Sallerol, for border.

20 Plants in all for \$1.00.

Select Single Geraniums. 10c. each; 6 for 50c.

Columbia—Bright carmine flowers, in large round trusses on long stems; profuse bloomer.

Granville—Finest single pink plant for bedding purposes. Plant of good strong habit, and prolific bloomer; a mass of soft, clear pink.

Mme. Brunt—A fine variety, with round flower; white, veined with carmine-lake. Each petal bordered deep pink with tinge of purple.

Rev. Atkinson—Rich crimson-scarlet, fine large flowers and truss.

Mrs. J. M. Garr—The finest of all single white bedders.

Mrs. E. G. Hill—Large perfect flowers of bright salmon, with lighter shade at base of petals. One mass of bloom almost continuously; fine.

Ivy-Leaved Geraniums.

Each, except as noted. 10c.
The 5 for 50c.

Leopard—A very distinct and charming new Ivy-Leaved sort. A strong grower and as easily grown as others of this class. Has an exquisite clear lilac-pink bloom, with heavy blotches of deep crimson on upper petals, also spotted with maroon. Large, semi-double and rare as an Orchid. Each, 20c.

Chas. Turner—Color, bright scarlet with soft rose tint; double.

Joan of Arc—Double; white, suffused with lavender; free bloomer.

Garden Glory—Fine bright scarlet; bold, full flower; free grower and bloomer.

Incomparable—Trusses very large; an exquisite shade of rosy-carmine.

Variegated Leaved Geraniums.

10c. each; any 3 for 25c.
The Set of 7 for 60c.

Mrs. Parker—Foliage deep green, with a broad border of pure white; the flower is double, clear bright pink.

William Langenth—Beautiful dark green leaves marked with broad white band; double; bright red bloom.

Happy Thought—Dark green foliage, with light creamy-white center and dark band about the light zone.

Mountain of Snow—Bright green foliage with broad silvery-white margin; flowers bright scarlet.

Mme. Sallerol—Bright green foliage, edged white, stand-on well; few plants equal it for border.

Bronze Bedder—Foliage bright golden-yellow; scarlet blooms.

Mrs. Pollock—Beautiful three-colored leaf; bright bronze with border of crimson, which is edged with golden yellow.

MRS. PARKER

Sweet-Scented Geraniums. 10c. each; 3 for 25c.

The foliage of following varieties has distinct and strong fragrance: Mrs. Taylor, Lemon, Rose, Skeleton Leaf, Nutmeg, Shrubby Pet.

Above, each, 10c.; any 3 for 25c. Set of 6 for 50c. See also Fragrant Collection under Heliotrope.

PELARGONIUMS Lady Washington or Pansy Geraniums.

are much in advance of the other kinds. Each, 20c.; dozen, \$1.75.

Dorothy—One of the finest ruffled or fringed varieties; flowers large, rosy salmon, dark maroon blotched on upper petal, richly shaded plum color around the throat.

Mme. Thibaut—White, richly blotched and marbled with rose; immense trusses of large, fine flowers.

Victor—Bright cherry-red, white markings at base of each petal; two upper petals heavily spotted with deep maroon.

Mrs. Robert Sandiford—Flowers large size, well doubled beautifully full rounded trusses of white.

Crimson King—Intense rich crimson; good habit; very floriferous.

Sandiford's Wonder—Semi-double, white bloom of great beauty, having, at times, small rich maroon spots in upper petals; beautifully fringed; lasts throughout the season.

Above, 20c. each; any 3 for 50c. Set of 6 for 90c.

GERANIUM COLLECTIONS.

Our selection as to varieties in all cases. Order by Number.

No. 8. 3 Double Geraniums, 3 Single Geraniums, 3 Fragrant Geraniums and 1 Ivy Geranium, in 10 varieties. 50c., postpaid.

No. 23. 6 Double and 6 Single Geraniums, not labeled. 50c., postpaid.

20 Beautiful Selected Geraniums, postpaid, for \$1.00. Remember this is not a set of Geraniums.

The Champion Geranium Set.

picked up from any surplus we may happen to have, but contains the choicest varieties—both Double and Single, every shade of this useful flower. You will be pleased with it.

Gladiolus

These fine Summer and Fall Flowering Bulbs produce bloom which embrace every shade of color, and are marvels of beauty. Great improvements have been made in the flower during the past few years. They are of the easiest culture and produce their brilliant spikes the first year. As soon in spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, for a succession of bloom. In the fall, bulbs can be taken up and stored. Booklet free.

GLADIOLUS

SEPARATE COLORS.

Price of Single Bulbs and Dozens include postage. 50 and 100 lots go by express at buyer's expense unless 50c. per 100 is added to prices given.

MIXED

POSTPAID

EXPRESS

100

50c.

1.25

1.50

2.00

2.50

3.00

3.50

4.00

4.50

5.00

5.50

6.00

6.50

7.00

7.50

8.00

8.50

9.00

9.50

10.00

GLADIOLUS MIXTURES.

The bulbs we offer are of first quality, and no better can be had. Our stock is produced by leading specialists and the most critical growers in the United States, hence, improving in quality from year to year. Greater satisfaction for the small outlay required can hardly be obtained.

OUR "TRUE BLUE" Mixture. Made up of extra high grade varieties, the newest and SUPERB range of color and containing many fine specimens of rare beauty which will be appreciated by the most critical. Try a bed and you will be happily surprised. Postpaid—Each, 5c. 6 for 25c.; doz., 40c.; 10 for \$1.00; 100 for \$2.25. By Express—\$1.75 per 100; \$15.00 per 1000.

New Giant Childsii Gladiolus. A magnificent new race with extraordinary large flowers of remarkable beauty. All colors mixed—Each, 5c.; doz., 50c.; 100 for \$1.50, postpaid. By Express—\$1.00 per 100.

Our Standard Mixture. A well balanced mixture of green, beauty and variety of color, composed of old standards and new ones of merit. Postpaid—3 for 10c.; doz., 30c.; 50 for \$1.00; 100 for \$1.75. By Express—\$1.20 per 100; \$11.00 per 1000.

Popular Low Price Mixture. CHEAP ONLY IN PRICE. Composed of many kinds, with a wide range of color. Very popular. Postpaid—4 for 10c.; doz., 20c.; 100 for \$1.25. By Express—\$1.00 per 100; \$8.00 per 1000.

Gloxinia

A charming class of summer-blooming plants, the rich and varied coloring of their large trumpet-shaped flowers being with dots of white, pink or carmine; flowers are upright and pendulous; colors, crimson, violet, rose, scarlet, white, etc.

Mixed Colors, Fine Bulbs—Each, 12c.; 3 for 30c.; 6 for 50c.

Separate Colors—Each, 15c.; 3 for 40c.; 6 for 75c.

Heliotropes

Nothing can take the place of Heliotropes in a bouquet. Well suited for pot culture or borders. Universally popular on account of their delightful fragrance.

Florence Nightingale—flowers bright lavender; good truss.

Madame Brunt—Large flowers, rich purple large white eyes.

Chieftain—Lilac; large truss; a fine one.

White Lady—Lavender white. The best light sort.

Czar—One of the largest flowering deep colored varieties. Dwarf, compact; splendid; bright purple flowers.

Each, 10c.; 3 for 25c. Set of 5 for 40c.

COLLECTION No. 20.

Our FRAGRANT COLLECTION

1 Lemon Verbena, 2 Heliotropes, 2 Scented Geraniums, 2 Tea Roses, 3 Carnations. Only 50 cents.

Hibiscus. **Peachblow**—Flowers double; a rich shade of clear pink with deep crimson center; new and beautiful shading; four to six inches in diameter. Blooms freely, even on small plants. Good house plant or in the garden.

Sub Violaceous—Flowers of large size, beautiful carmine, tinted violet.

Miniatur Semi-Plena—Large, semi-double, brilliant and attractive; bright vermilion-scarlet.

Above, each, 15c. The Set of 3 for 35c.

Hyderangea.

Otaska Montrosa—Enormous trusses of intense pink flowers. Blooms the entire season.

Ramis Pictis—(Red Branched)—Distinct in foliage and flowers; flowers deep rose color; large trusses; branches deep red.

Hortensia—Always a favorite; flowers pink in immense trusses. Above, each, 15c. The Set of 3 for 35c.

HARDY HYDERANGAEA—See Hardy Shrubs.

JASMINUM. **GRAND DUKE**—This Jasmine is very profusely of very double creamy-white flowers, having a delicious perfume; a magnificent plant. Each, 25c.

Lantana. **TRAILING**—A fine plant of graceful drooping habit, producing flowers at each leaf, literally covering the whole plant; brilliant rosy-lilac. Trails or climbs as desired in basket or pot. Very attractive. Each, 15c.

AMEL—New. Of dwarf, compact growth; a profuse bloomer; flowers appear in clusters in great numbers; when first open are golden yellow, changing the next day to deep, fiery scarlet. This unique habit causes them to show to beautiful advantage as the center of clusters recently opened, are yellow, while surrounding the center it is deep scarlet. Each, 15c. The 2 for 25c.

Lemon.

AMERICAN WONDER.

Ponderosa—This new variety of Lemon makes a splendid pot plant, as its glossy, dark-green, leathery leaves are very ornamental; fully equal to the Palms, Rubbers, etc. It stands rough usage, and even neglect, and still look well. In size and fragrance its flowers excel the orange blossoms, are borne in immense pure white clusters, remaining some time before falling. A plant in full bloom will fill the house with fragrance. It begins to bear fruit when quite small, as we have had them in fruit when not over 18 inches high. It is an ever-bearing variety, as there are blossoms and fruit in all stages of development on well-grown trees. The fruit is often of immense size, some specimens weighing as much as four pounds, while the average would be fully half that weight. The fruit is very juicy, makes delicious lemonade—in fact, is not excelled by any other variety for fine flavor. It is much harder than the orange, and is bound to become popular, especially in the South, where they may remain out all winter. We send printed instructions for their care with each order. It is of very easy culture. Our stock is genuine, having been grown by us from originator's stock. Get a few plants and grow your own lemons. **Thrifty Young Plants**, each, 25c., postpaid. By **Express—Strong Plants**, each, 50c. to \$1.00 and up.

AMERICAN WONDER LEMON

LILIES—See Hardy Perennials.

Mexican Morning Glory. (CENTURY VINE.)

A vine of quick growth, and produces beautiful foliage and handsome flowers in enormous quantities; blossoms rose crimson, shaded violet; remain in bloom all day in shaded places. Sometimes grows 10 feet in a season. Not hardy, but roots can be wintered like Dahlias. Tubers, each, 25c.

Maderia Vine. The old favorite "Climbing Mignonette." Rapid growing vine, easy to grow; leaves light green; bears small, white, feathery, fragrant flowers. Bulbs, each, 5c.; 6 for 25c.; doz., 40c.; 100 for \$2.25.

Moonflower.

(Noctiflora).—Well-known White Moonflower. Rapid growing vine, which will easily cover a surface 25 x 40 feet in a season. At night and during dark days the plants are covered with an abundance of large, fragrant flowers 3 or 4 inches in diameter. One of the most showy annual climbers. Fine Plants, each, 10c.; 6 for 50c.; doz., 90c.

Montbretias.

(Blazing Stars)—A very desirable summer flowering plant. Scarcely any bulb will give as much bloom. They are hardy, easily grown and propagate amazingly, once planted they care for themselves. The bulbs, planted in groups 6 inches apart in a sunny place and left undisturbed for several years will form magnificent clumps, and throw up large spikes of star-shaped flowers. Spikes form 20 to 30 inches high. They flower freely the first season and should be planted by hundreds.

Crocusiflora—Of great beauty; long spikes, large brilliant orange flowers, dotted with purple spots.

Potsi Grandiflora—Golden yellow, with bright red band on outside.

Star of Fire—Brilliant scarlet with clear yellow centre.

Grandiflora—Scarlet, large and free flowering.

Above, each, 5c.; doz., 35c. Set of 4 for 15c.

Mixed Varieties—Bulbs, 5c. each; doz., 30c.; 25 for 55c.; 100 for \$2.00.

Oxalis.

Summer Flowering—Valuable for edging walks, flower beds, etc. They form rounded rows of delicate foliage about one foot high; they produce flowers in endless succession.

Tasy A HUNDRED OF EACH.

Lasiandra—Fine rose pink; beautiful cut foliage.

Dieppa—Handsome clover-white flowers.

Price—Each Sort—Dozen, 10c.; 25 for 15c.; 50 for 25c.; 100 for 40c.; 1000 for \$2.50, postpaid.

PÆONIES—

See Hardy Perennials.

PHLOX, HARDY—

See Hardy Perennials.

PELARGONIUMS—

See Geraniums.

MONTBRETIAS.

Palms.

Indispensable for Decorations.

The following are the most satisfactory and best adapted for house culture.

KENTIA—The Kentias are among the best of the Palm species for general cultivation; not affected by dust or dry atmosphere of the living rooms. Graceful habit, bright green foliage. As decorative plants for the window, dining table or conservatory, they scarcely have an equal.

Kentia Belmoreana—Dwarf, spreading and leaflets rather narrow. Small Plants, each, 25c. Large Sizes, nice plants, 50c. and \$1.00.

Kentia Fosteriana—Of stronger growth, with broader foliage than above. Easy to grow. Small Plants, each, 25c. Large Size, 50c. and \$1.00 each.

COCOS WEDDELIANA—The most elegant of the smaller Palms. Slender, erect stems with graceful arching leaves of rich green. Admired for fern dishes or use on the table. Fine Plants, 35c. and 50c.

LATAMIA BORBONICA—The old well-known Fan Palm. Very hardy of easy cultivation. Large, deeply divided fan-shaped leaves. Young Plants, each, 25c. Large Plants, 50c. and \$1.00 each.

ARECA LUTESCENS—A beautiful Palm. Its dark glossy green leaves are gracefully curved on slender golden-yellow stems, and the entire foliage is gracefully disposed. Nice Plants, each, 25c. Larger Sizes, 50c. and \$1.00 each.

We can supply LARGE PALMS, by Express, at prices from \$1.00 to \$10.00. Write for prices and descriptions.

PARLOR FOLIAGE COLLECTION.

Four Strong Plants, 50 cents, postpaid.

1 Asparagus Sprengeri,

1 Asparagus Plumosus,

1 Pencil Palm,

1 Boston Fern.

Worth 70 cents. Our price, 50 cents, postpaid.

Pansy Plants

Favorites with every one, and too well known to need any description. Our plants are grown from our Fancy Strain, best colors and finest forms. Strong plants, each, 5c.; doz., 40c.; 100, \$3.50.

SPECIAL PANSY COLLECTION.

We will send 12 Brightest and Best Pansy Plants, all different colors, for 50 cents, postpaid.

Petunia, Double.

We can supply fine plants, Pure White, Pink, Magenta and Mottled. Each, 10c. Set of 4 for 25c.

Phrynium Variegatum.

This new foliage plant is a good grower, succeeding well in either pots or open ground, thriving in sun or shade. The Cantua-like leaves are bright pale green, beautifully variegated with white and rich cream, the variegations being extremely diversified—no two leaves alike. Height, 2 to 3 feet. Leaves from 6 to 10 inches long and 2 to 5 inches broad. Plants, each, 15c.; 2 for 25c.

Primula Obconica.

An ever-bloomer. Lovely lavender flowers in great profusion the year around. Easy to grow. Always pleases. Each, 15c.; 2 for 25c.

Rubber Plant.

FICUS ELASTICA.

One of the best plants grown for decorative purposes. Its glossy, thick, dark green leaves seem formed especially to resist the dust and gas to which plants in dwelling houses are exposed. Our plants are strong and well rooted. Each, by mail, 50c. By Express—4 inch pot plant, 60c.; 5-inch pot plant, \$1.00; 6-inch pot plant, \$1.25.

KENTIA BELMOREANA

Small Plants, each, 25c. Large Size, 50c. and \$1.00 each.

Small Plants, each, 25c. Large Size, 50c. and \$1.00 each.

Small Plants, each, 25c. Large Size, 50c. and \$1.00 each.

 

RUBBER PLANT

Sanseveria Zealanica.

Elegant variegated, leathery leaved ornamental plant for the house, Each, 25c.

Salvia. "Bonfire."—Large spikes of dazzling scarlet flowers well above the foliage all season.

NEW SILVER SPOT.—With pretty spotted leaves and bright scarlet flowers. Dwarf growing, free bloomer; extra fine.

A. RAGNEAU.—A new dwarf Salvia; 15 to 18 inches tall. Commence to bloom early and continue until frost; flowers brightest scarlet; grand spikes.

Above, each, 10c.; 3 for 25c.; dozen, 90c.

SPIREA—See Hardy Shrubs.

Smilax—One of the finest climbers for parlor or window culture. Beautiful, glossy, dark green leaves, useful in bouquets and designs. Very lasting after being cut. Easily grown, adapted to hanging basket.

Each, 10c.; doz., \$1.00.

Tigridias (Tiger or Shell Flower)

Very handsome, free flowering summer bulbs. The spotted flowers large, and exceedingly beautiful, including some of the most gorgeous colors and shades. Grow about 2 feet in height.

CONCHIFLORA—Yellow, spotted crimson.

PAYONIA—Crimson, center spotted yellow.

ALBA—Pure white, center yellow and spotted crimson.

Price of each, 5c.; doz., 40c.

Tuberoses.

One of the most delightfully fragrant and beautiful summer flowering bulbs. Its waxy-white flowers are the sweetest scented that grow. The growing plant is fond of light and heat and should not be planted outside before April 1. They may, however, be started in February or March in a good warm place in the house or greenhouse, and by successive plantings may be had in bloom almost throughout the year. If planted in 5 or 6 inch pots and sunk in the ground during the summer they may be lifted and taken indoors for flowering late in autumn.

Our Tuberoses are grown and cured with the greatest possible care, and all are flowering size. For large, perfect flowers we recommend the larger bulbs.

DOUBLE DWARF PEARL TUBEROSE—Flowers large size and very double. Extra Size Bulbs, by mail, postpaid, each, 4c.; 5 for 15c.; doz., 35c. By Express, not prepaid, Doz., 25c.; 25 for 40c.; 100 for \$1.40. Second Size Bulbs, by mail, postpaid, 3 for 10c.; 6 for 15c.; doz., 25c. By Express, not prepaid, doz., 20c.; 25 for 35c.; 50 for 60c.; 100 for \$1.00.

VARIEGATED LEAVED—Leaves heavily striped with creamy white. Its large fragrant single flowers are produced in great abundance. Each, 5c.; 6 for 25c.; doz., 40c.

SPECIAL PRICE ON LARGER QUANTITIES OF TUBEROSES.

Verbenas

Our collection includes some of the very finest varieties. No bedding plant gives better satisfaction.

We can supply Laven-der, Pink, White, Dark Blue, Scarlet and Crim-son. Each, 8c. The set of 6 for 35c.

Mixed Verbenas—Fine assortment. Each, 7c.; doz., 60c.; 100, \$4.00.

Vinca Major Variegata—Very popular for baskets, vases, etc. Hardy, readily propagated. Leaves green, margined with white; flowers blue. Each, 10c.; 3 for 25c.; dozen, 75c.

Marie Louise—The favorite winter-flowering variety; not hardy in the north; flowers double, rich purple; stems long; foliage rich dark green.

Violets—Largest of all single flowered varieties. Clear violet purple; very fragrant.

Swanley White—Pure white; large; double; very fine.

Princess of Wales—Fine, large Pansy-like single blooms of purple violet shade; strong grower; long stems.

Lady Campbell—Deep purple; fine, large double bloom.

Above, each, 10c. The Set of 5 for 40c.

HARDY RUSSIAN VIOLETS—See Hardy Perennials.

Aquaria Plants.

WATER HYACINTH—Plants on top of water; bloom light rose lilac; foliage clear light green.

UMBRELLA PLANT (Cyperus)—Easily grown; fine dark green umbrella-like foliage.

Above, each, 15c.; the 2 for 25c.

VERBENAS

Roses.

of its kind or class, each one having been selected for a special purpose. Each variety has been placed in its proper class, so no one need be misled in buying.

Tea Roses.

All of the following are pure blood Tea Roses, and noted for their delicious fragrance, vigorous growth, perfect flowers, and their constancy of bloom. They are tender and should be well protected in the Northern States. In extreme North they must be wintered in the house.

Bridesmaid—Produces buds and flowers of a deep shade of pink; fine for cutting.

Bride—Large white rose for cut flowers and general cultivation.

Countess Duss—Flowers extra large, full, deep and double; both buds and flowers of fine form; pure satiny-white; strong grower, free bloomer; good in open ground; try this variety.

Etoile de Lyon—Light golden-yellow; very sweet; large; fine for open air culture.

Maman Cochet—It is of the largest size, well rounded, and very double; color, a deep rose-pink, the inner side of the petals being a silvery rose touched with golden yellow.

Marie Guillot—Queen of White Tea Roses for outdoor culture; very sweet.

Madame Lombard—A beautiful shade of rosy-bronze; very fragrant.

Marie Van Route—Pale yellow tinged rosy-pink; fragrant; very free blooming.

M. Deraps-Matrat (Yellow Cochet)—A grand yellow rose; free bloomer; larger than Etoile de Lyon; long, stiff stems; sulphur-yellow, center peach; strong grower; fine. 15c.

Mrs. R. B. Cant—A fine rose of round full form and solid even color; clear bright rosy pink; large size, perfectly double; quite fragrant; free grower and bloomer; fine in the fall; an excellent bedding rose. Each, 15c.

Perle des Jardins—Rich golden-yellow; beautiful buds, and open flowers of large size; deliciously sweet; early and constant.

Souv. de C. Guillot—Rich coppery-carmine. center shaded orange; flowers large, full, finely shaped and very sweet; vigorous in growth and a free bloomer.

Souv. de Pierre No. 1—Seedling of Marechal Niel and Maman Cochet. Beautiful long buds, elegant form; orange-yellow, bordered carmine rose. Has received 6 gold medals. 20c.

White Maman Cochet—Like the Maman Cochet growth is vigorous, with rich, healthy foliage; large fine flowers of creamy-white. Exact counterpart of the beautiful Maman Cochet.

Viscountess Folkestone—Strong growing, free blooming, attractive and hardy. Flowers very large and double; color, beautiful shade of pale pink with satiny lustre.

Above, except as noted, each, 10c. The entire Set of 15 finest Tea Roses, only \$1.25.

WHITE MAMAN COCHET.

Hybrid Tea Roses.

This class is made up of varieties obtained by crossing Tea and Hardy Perpetual Roses, retaining the freedom of bloom of the Teas, also some of the hardiness of the latter. Most of them are hardy with protection, and by far the best class for bedding out where moderate winters prevail. They always please.

Angela Mui—New. Long pointed buds, fine form, deep sulphur-yellow. Similar to Kaiserin Ang Victoria. except color. Each, 20c.

American Beauty—This famous rose has buds large, full, double and exceedingly sweet; color, rich rosy-crimson; very lasting after cutting, and commands the highest price. Fine plants, each, 25c.

Bessie Brown—A lovely new rose; extra large, full and double, and deliciously perfumed; healthy vigorous grower. Constant, profuse bloomer; color white, delicately shaded with rose. Each, 15c.

Franz Deegen—New. A very free bloomer, rapid and clean grower, with flowers of a golden-yellow, with deep orange center, on long straight stems. Buds are long and pointed, of good size. Received gold medal and \$50 prize at Kansas City Flower Show, silver medals and other awards at numerous other exhibitions. Each, 20c.

Golden Gate—Creamy-white, flushed with pink and salmon. Very robust and a persistent bloomer. A beauty.

Helen Gould—One of the finest for general planting. Strong grower, free bloomer; large size, and very hardy. Bloom perfectly double, buds beautiful, long, pointed; color, a warm rosy-crimson. Easy to grow.

NEW IVORY ROSE.

Ivory (White Golden Gate)—"Ivory" embodies all of the good points of the Golden Gate. Size, freedom of bloom, strong, vigorous, healthy growth, with a pure white color. A rose which must at once meet with popular favor. Each, 15c.

Kaiserin Augusta Victoria—Elegant large pointed buds and very large, full, double flowers. Color, delicate creamy-white, deliciously fragrant; strong stems; rich glossy foliage. One of the finest roses for corsage wear.

Lady Batetessa—Has long, pointed buds of the largest size; very striking color, light cherry-crimson; stems stiff and extremely long; strong grower and free in bloom; on strong plants the blooms are well filled; a promising header. Each, 15c.

Mad. Caroline Testout—Petals large and of elegant form; exquisitely edged and bordered with clear silvery rose; flowers and buds extra large and of elegant form; color, brilliant satiny-rose, center clear red. A great beauty.

Mad. Jules Grolez—Very free blooming variety; large, full, finely formed flowers; color, charming shade of satiny-pink.

Meteor—Of the deepest glowing crimson; flowers of medium size, very double, and petals slightly recurving; a beautiful open rose; a free bloomer. Good potting, cutting or bedding sort.

Mrs. Mawley—Color, bright pink. A magnificent garden rose.

Sombreuil—Large, beautiful full white, tinged with delicate rose; a strong grower.

Souv. Pres. Carnot—Large, full, double, exquisitely shaped flowers, with heavy, thick, shell-like petals; buds long and pointed—perfect; color, delicate rosy-blush, shaded deeper at center; fragrance delicious. Strong grower and free bloomer.

Above, except as noted, each, 10c. The entire Set, 15 Finest Hybrid Tea Roses, worth at regular rates \$2.00, for \$1.75.

CLIMBING TEA ROSES.

These are exceptionally fine climbers for the Southern States, and nothing could be more choice to cover a porch or trellis.

Climbing Meteor—Perpetual blooming. Color, rich velvety-crimson. A very vigorous grower and profuse bloomer.

Marechal Niel—Its magnificent golden-yellow buds are worn the world over.

Francois Crousse—Flowers velvety-scarlet; splendid foliage.

President Cleveland—Flowers magnificent, extra large, deep and double; buds are beautiful; fragrance delightful; color, pure snow white, sometimes faintly tinged with pale yellow. Identical with Marie Guillot, except that this variety is rapid climber—ten to fifteen feet high. Blooms all season. Each, 15c.

Reine Marie Henriette—Crimson flowered; ever-blooming; flowers exquisitely formed, very full and double; fragrant; fine flowering.

Mary Washington (Noisette)—Bears large, double, fragrant white flowers in large clusters, in great abundance. Vigorous, rapid grower.

Above, except as noted, each, 10c. The Set of 6 for 55c.

HARDY CLIMBING ROSES.

Adapted to Northern States.

These varieties endure the most trying weather. Grow rapidly, covering a building or fence in a very short time. Bloom in large clusters abundantly.

Baltimore Belle—Pale blush, shading to rose color; double flowers in large clusters. No garden complete without this rose.

Prairie Queen—Extra fine; free bloomer; flowers extra large, bright rose, sometimes striped white. Extra fine. Deservedly popular.

Above, each, 10c. The 2 for 15c.

The Famous Rambler Roses.

Splendid for covering Porches, Trellis, Screens, Fences; etc.

PHILADELPHIA RAMBLER—A fine new Rambler. Flowers produced in grand clusters, each flower 2 to 2½ inches across and double to center; color, pure deep crimson; brighter than any of this class, and holds color to the last; handsome foliage; blooms early and bountifully. Perfectly hardy. Each, 20c.

CRIMSON RAMBLER—Of very vigorous growth, making shoots 8 to 10 feet during the season. Its remarkable color is of the brightest crimson. Flowers produced in pyramidal panicles or trusses, each carrying 30 to 40 blooms.

YELLOW RAMBLER (Aglaia)—Very hardy Yellow Climbing Rose. The beautiful clear yellow flowers are borne in immense trusses, sometimes 100 in a cluster.

PINK RAMBLER (Dorothy Perkins)—New. Of great hardiness, vigor, beauty and freedom of bloom. Stands severest winters unprotected; grows often 10 to 12 feet in one season; blooms in clusters; fine shell-pink in color; large for the class; very lasting; fragrant; foliage deep green. Each, 15c.

Above, except as noted, each, 10c. The Set of 4 Best Ramblers for 50c.

THE LA FRANCE SET.

A choice group of Hybrid Teas, widely known and celebrated everywhere for hardiness, constant bloom, beautiful color and fragrance.

Pink La France—Silvery pink; very popular.

Red La France (Duchess of Albany)—Deep rich rose pink flowers.

White La France—Large, elegant, pearl-white flowers flushed with rose.

Striped La France—Shows clear stripes of both lovely pink and white tints.

Above, each, 10c. The Set of 4 for 35c., postpaid.

POLYANTHA, OR FAIRY ROSES.

Distinct class; hardy; best for house culture; of low growth, branching freely and commencing to bloom while small, and blooms almost continuously; blooms in clusters, not large, but very perfect. Excellent for bedding out.

George Pernet—Color, bright rose tinged with yellow.

Mignonette—Clear, soft pink, passing to white, tinged with pale rose.

Perle d'Or—Color, coppery-gold, with deeper shade at the center.

Faquerette—Flowers pure white, of perfect shape; one of the finest pot plants.

Above, each, 10c. The Set of 4 for 35c.

"Souper" Collection of Roses.

New Pink Souper—A free and constant bloomer, when only a few inches high, with dozens of bright rosy-pink flowers, changing in hue as they fade, producing a pleasing effect.

Yellow Souper (Mosella)—Splendid bedding rose; strong grower; flowers in clusters, on single stems; yellow in center, turning creamy-white on edges of petals.

White Souper (Leona Osterreith)—No better white rose grown. Bud good size, flower full, double and deliciously fragrant; pure white with deep center.

White Souper (Polyantha)—Vigorous growth, compact, wonderfully profuse and constant bloomer; flowers very double, produced in clusters; beautiful pearly-white, with rose-lake center; slightly fragrant; very hardy ever-blooming rose. One of the finest.

Above, each, 10c. The Set of 4 for 35c.

Hardy Hybrid Perpetual Roses.

The following selection of Hybrid Roses can be highly recommended for outdoor planting, perfectly hardy, but are benefited by slight protection of leaves or coarse litter during the winter; also a little straw tied loosely about the tops.

Alfred Colomb—One of the very finest: extra large round flowers, very double and full; color, clear cherry-red, passing to bright, rich crimson; very fragrant. Each, 15c.

Anna de Diesbach—Brilliant rose-color, with long pointed buds, large perfectly formed blossoms; fragrant; vigorous; persistent bloomer.

Cocquette des Alps—Large, full, finely formed flowers; color, pure white, faintly tinged with pale blush; beautiful; profuse bloomer; hardy.

General Jacquemont—Bright crimson-early; exceedingly rich and very strong; steadily grower and free bloomer; very hardy.

Jean Liabaud—Flowers large, full and fragrant; of the most intense dark rich velvety crimson, almost black; rare and handsome.

Jubilée—Large flowers, 5 to 6 inches across; very full and double; blue long and graceful; color, glowing velvety crimson; fragrance delicious. Awarded a gold medal. Each, 15c.

Mad. Charles Wood—Flowers extra large, double, full and quite fragrant; color, bright fiery scarlet, passing to fine rosy-crimson, shaded with maroon; showy, handsome; blooms early and late; one of the best.

Magna Charta—Extra large, full flowers; very double; of fine form, and sweet; color, clear rosy red, beautifully flushed with violet-crimson; a sure and profuse bloomer; one of the hardiest. Each, 15c.

Mrs. John Laing—Splendid, constant bloomer; hardy, with immense flowers, full and double, borne in great profusion on long, stiff stems, and exceedingly sweet; color, clear, bright, shining pink, exquisitely shaded; buds long and pointed.

Paul Neyron—Deep shining pink; extra large; of fine form.

Prince Camille de Rohan—Deep velvety-crimson, almost black; large and fine.

Ulrich Brunner—Extra large, bold flowers, full and globular; color rich glowing crimson, elegantly flamed with scarlet.

Above, except as noted, each, 10c. The Set of 12 for \$1.25.

OUR GREAT OFFER OF TWO-YEAR-OLD ROSES

FOR IMMEDIATE EFFECT.

We will send you EIGHT TWO-YEAR-OLD ROSES, the finest and most distinct varieties in form and color, strictly our selection, for \$1.00, postage paid, or by Express, prepayment being the better charge. We have grown this stock on our own farm and know it will please. We cannot supply this collection after April 15th.

DOROTHY PERKINS-PINK RAMBLER. GROWN IN POT.

SUPERB MONTHLY SET.

The Monthly class are the most persistent bloomers throughout the whole season. Excellent bedders and the best for potting. Tender, and must be well protected in winter.

Grass an Teplitz—Color is of brightest scarlet, shading to deep, rich velvety-crimson; very fragrant; a free grower and bloomer.

Burbank—A free flowering, ever-blooming rose, of good habit; color, a rich pink; exceptionally fine rose for bedding.

Snowflake (White Hermosa)—Dwarf habit; really wonderful in constant profusion of bloom; exquisite pure white flowers of medium size.

Above, each, 10c. The Set of 3 for 25c.

HARDY JUNE ROSES.

These are hardy as oaks, requiring no protection. They are like the flowering hardy shrubs, producing their bloom in immense quantities in spring only.

Mad. Planter—Literally covered with pure white, perfectly double fragrant flowers, which hang on for a long time. Make large, dense bushes. A beautiful cemetery rose.

Persian Yellow—Beautiful; hardy; golden-yellow; fine.

Above, each, 10c.; 3 for 25c.

ROSE COLLECTIONS. Please order by Number only.

No. 1—12 Beautiful Roses, in 12 distinct varieties, for cut-flowers. 50c.

No. 2—4 Charming Tea Roses, 4 fine Hardy Roses, 2 Climbing Roses.

An elegant collection for 50 cents.

No. 3—3 Lovely Tea Roses, 3 fine Hardy Roses, 2 different Climbing Hardy Roses, 2 pretty Japan Fairy Roses. 50 cents.

No. 4—7 Superb Hardy Roses, 3 fine Hardy Climbing Roses. This will make a fine outdoor garden for 50 cents.

No. 5—10 Lovely Pure white Roses, Tea and Everblooming. Fine cemetery plants. 50 cents.

No. 21—13 Lovely Tea Roses, all different, but not labeled. 50 cents.

No. 22—12 Roses, in several sorts, selected for harmony of colors, for charming bed. 50 cents.

THE GEM COLLECTION—20 EVER-BLOOMING ROSES POSTPAID, FOR ONLY \$1.00

We will send by mail, postpaid, for any post-office, 20 beautiful Ever-blooming Roses, in 20 different varieties, and each one labeled. If you want beautiful roses all summer, try this set.

HARDY PERENNIALS.

Once planted they remain from year to year with but little care and hardly any winter protection in our climate.

ACHILLEA

Extra Strong Plants, each, 10c.; 3 for 25c.; doz., 75c.

Anemone. **WHIRLWIND**—A new double white Anemone having all the good points of the old single white, and, in addition, is more hardy and the blooms last longer; flowers 2½ to 3 ins. across. Very free bloomer and one of the prettiest of this class of plants. Each, 15c.; 2 for 25c.

QUEEN CHARLOTTE—A very fine Japanese sort: flowers semi-double and a beautiful shade of pink—a rare shade in hardy flowers. Each, 15c. 2 for 25c.

Bleeding Heart. **Dielytra Spectabilis**—Pretty spring bloomer, with graceful, drooping sprays of heart-shaped pink and white flowers; very ornamental and bloom freely early in the season. Hardy; increase in size from year to year. Each, 15c.; 2 for 25c.

Boltonia Asteroides. This beautiful hardy perennial grows to a height of 4 feet and is very showy when covered, during the summer and autumn, with its countless pure white, single, aster-like flowers. Valuable for cutting. Each, 15c.; 2 for 25c.; doz., \$1.50.

Campanula. (Canterbury Bells)—Plants with showy flowers, mostly in blue, easy to grow and in bloom a long time. **Calycanthum (Cup and Saucer)**—Hardy; large blue, white or purple flowers. Each, 15c.; doz., \$1.50.

Chrysanthemums. **HARDY POMPONE**—These fine and small flowered varieties are very popular for outdoor bedding; are quite hardy, requiring only a slight covering during winter, and once planted grow better and better for a number of years. They are desirable just at the close of the season when all other blooming plants are failing, thus these little "Mums" come out in wonderful profusion and may be gathered by the armful. **Blushing Bride**—Soft pink. **Flora**—Fine deep golden yellow. **Globe d'Or**—Canary-yellow. **Model of Perfection**—Pure white. **President**—Dark crimson. Each, 10c. 2 for 25c., postpaid.

Coreopsis Lanceolata. A beautiful, hardy border plant, 15 to 18 ins. high; bright golden-yellow flowers in great profusion the entire season. A handsome vase-flower for table decoration. Each, 10c.; 3 for 25c.

Day Lily. (*Funkia*)—By some called **Plaintain Lily**. A superb autumn flower desirable in plantings on the side of lawns or at the edge of shrubbery; succeeds in either sun or shady places. Fine for cemetery.

Cordata (White Plaintain Lily)—A handsome, showy plant with beautiful, broad, yellowish-green leaves. Its Lily-shaped flowers are waxy-white, very fragrant.

Undulata Variegata—Leaves 8 to 10 inches long, 2 to 3 inches wide, beautifully variegated yellow and green. Flowers deep blue. **Orata Variegata**—An excellent variety with broad green leaves, distinctly banded creamy-white. Flowers lavender blue. Above, each, 15c. 2 for 35c.

Digitalis. (*Foxglove*)—**Gloxinioides**—A choice garden variety in mixed colors, including white. 15c.; doz. \$1.50.

Eulalia. Beautiful tall-growing ornamental grass for use on lawns or in borders or as screens. Perfectly hardy, 8 feet high in large clumps.

Zebrina—One of the finest and most distinct: beautiful green leaves, crossed at regular distances with broad bands of orange-yellow. They produce fine, large plumes—from 50 to 100—when two or more years old. Hardy.

Variegata—Similar in style of growth to Zebrina, but the variation in colors of the leaves run lengthwise, making a striking contrast when planted together.

Trivittata—Has fine narrow dark-green foliage, with a white mid-rib. Very fine.

Above, each, 15c. Set of 3 fine Eulalias for 35c.

Gaillardia. **GRANDIFLORA (Blanket Flower)**—Of all the hardy plants the Gaillardia is very satisfactory. Begins to bloom in early summer and continues until after first frost. Perfectly hardy. Flowers 2 to 3 inches in diameter, with center of brownish-red, while petals are shaded into rings of orange, crimson and red. Stems long. Grand for cutting. Does well in any soil. Each, 15c.; 2 for 25c.

Achillea

Pure White. "The Pearl." A plant which produces hundreds of flowers the first summer. Commences to bloom early in July, and is a perfect mass of beautiful flowers until frost. Flowers pure white, perfectly double and produced in large sprays, making it one of the finest cut-flowers for bouquets, vases, baskets, etc. A most valuable plant for cemetery purposes, as it succeeds everywhere; very hardy.

ACHILLEA
Extra Strong Plants, each, 10c.; 3 for 25c.; doz., 75c.

Gypsophila. (*Baby's Breath*)—A very graceful perennial. When in bloom it forms a symmetrical mass of foliage about 2 feet in height and is completely covered with small white flowers, producing a beautiful gauze-like appearance. As a cut-flower, especially if used with high colored blooms, it is exquisite, and some very lovely effects are obtained. Can also be used in winter bouquets. Each, 15c.; 2 for 25c.

Hibiscus. CRIMSON EYE.

A robust grower, with dark stems and foliage. Flowers immense size, sometimes six inches across, purest white, with large spots of deep velvet crimson in the center. Perfectly hardy. Blooms first year in open ground. 15c.; 2 for 25c.

Hollyhock, Double.

For planting in masses by itself, or as a background for lower growing plants, the Hollyhock plant cannot be dispensed with. Once planted they keep coming up year after year. Mixed colors, each, 15c.; doz., \$1.50.

HOLLYHOCKS

Irish, Kaempferii.

Japan Iris—*The Fleur-de-Lis* so popular in France. Flowers are immense in size, of the most beautiful and delicate shades. Perfectly hardy. Flowers in great profusion. A well established plant gives a dozen or more flower-producing stalks. Thrives best in moist soil: if this cannot be had, water freely while growing and flowers.

Double Varieties, mixed—Each, 15c.; 4 for 50c.; doz. \$1.40, postpaid. **Single Varieties, mixed**—Each, 15c.; 4 for 50c.; doz. \$1.40, postpaid. **Collection 6 Choice Named Kaempferii Varieties for \$1.35.**

Collection 12 Choice Named Kaempferii Varieties for \$1.50.

GERMAN IRIS—In bloom several weeks before the Japan: the flowers are smaller but equally as rich in color. **Best Mixed German**—Each, 10c.; 6 for 40c.; doz. 75c., postpaid.

Collection 6 Distinct German Varieties for 75c., postpaid.

Larkspur. (DELPHINIUM.)

These old-fashioned flowers are now being used with telling effect in both private and public grounds. They are about the only blue hairy flower of any note, and have a long season of bloom. Remove all old flower stalks before seed pods are formed and the season of bloom will be prolonged. The strain of Hybrids we are growing embrace all shades of blue and purple. Each, 15c.; dozen, \$1.50.

Lilies.

Their culture is simple, and with a little care, failure is impossible. Plant bulbs in the spring as soon as frost is out of the ground—the earlier the better. Select a well-drained spot, dig the soil deep and make it fine, enriching it abundantly with well liberal mixture of sand. Set the bulb on, and surround it with pure sand 3 to 5 inches (according to size) below the surface.

AURATUM (Gold Banded)—Beyond question the grandest of all the Lily family. Flowers pure white, thickly studded with crimson spots, while through the center of each petal runs a clear gold band; possesses a most delicious fragrance; very hardy; best outdoor Lily grown. First Size Bulbs, each, 15c.; 3 for 40c. Larger Bulbs, each, 25c.

ALBUM (Speciosum)—Pure white; very fragrant; freely flowering; hardy; for general cultivation. First Size Bulbs, each, 15c.; 3 for 40c. Larger Bulbs, each, 25c.

RUBRUM (Crimson Banded)—White, heavily spotted with rich crimson. First Size Bulbs, each, 15c.; 3 for 40c. Larger Bulbs, each, 25c.

TIGRINUM, Flore Pleno (Double Tiger Lily)—Bright orange scarlet with dark spots; a strong growing showy variety; entirely hardy; succeeds well everywhere. Each, 10c.; doz., \$1.00.

Lily of the Valley. No garden is complete without which are such universal favorites as to need no description. Pips, each, 5c.; 6 for 25c.; doz., 40c.

Lychnis. **Viscaria Splendens**—A strong, vigorous grower, making large clumps of almost evergreen foliage. Blooms in early June and continues for six weeks or more; flowers double, bright crimson; useful for cutting; the finest red-flowered hardy perennial. Each, 15c.

PEONY FESTIVA

Chinese Paeonies

Plenty of Paeonies. Everybody should plant them. The Most Popular of all Hardy Plants, and Growing in Favor.

Now, since we have the vastly improved Chinese varieties, no garden is complete without them. Perfectly hardy, endure the severest winters, have no insect pests, and not subject to diseases of any kind. Once planted they remain, increasing in size from year to year, not reaching their highest perfection until about the third or fourth season. Any easily grown and do well almost anywhere, but a rich, deep soil and sunny place suits best, and they produce finer bloom with brighter colors. Profuse bloomers and rival the finest roses in beautiful colors. Foliage rich and massive; a handsome plant, even when not in bloom. Some bed them with hardy Lilies, as they will bloom before the Lilies and afterward supply foliage, which is lacking in the Lilies.

- Beauty Francaise**—Color, beautiful delicate rose; bloom very full.
- Chrysanthemumiflora**—A fine color; splendid form.
- Edulis Superba**—Of a bright rose color; splendid.
- Festiva**—Pure white; extra fine.
- Fideline**—A fine purplish red.
- Isabelle Karlitzy**—Delicate rose; very large.
- Louis Van Houtte**—Full, large flower; deep red.
- Officialis Rubra Plena**—Rich, deep crimson; very early, and one of the brightest of all dark-colored varieties.
- Princess Mathilde**—Large, delicate rose.
- Potsii**—Deep rose; late flowering.

Above, each, 25c.; doz., \$2.50. The set of 10 for \$2.00.

- Eclair**—Fine deep purple-crimson.
- Mary de St. Paul**—Dwarf; very large pink flower and truss.
- Snowflake**—Pure white.
- Sir E. Landseer**—A brilliant dark crimson.

Above, each, 10c.; any 6 for 50c. Set of 12 for \$1.00.

Phlox,

Hardy,

One of the most satisfactory plants for the garden, and of easy culture. Perfectly hardy, they come up year after year and bloom for months. Each truss of flowers forms a perfect pyramidal bouquet by itself. Beautiful banks of these may be grown by placing the tall-growing varieties in the rear. For harmony of colors plant pink or crimson with white or the magenta is best alone.

- Bridesmaid**—Pure white, large crimson center.
- Cognac**—Pure scarlet with deep crimson eye.
- Diplomat**—Large, lilac bloom, with crimson eye.
- Eclair**—Large size; rose lilac, shading white; purple center.
- Pantheon**—Deep salmon rose.
- Wm. Robinson**—Silmon-pink, rose eye. A splendid sort.
- Virgo Marie**—Large, fine white.
- Triumph de Twinkle**—Rose magenta.

Pinks. **HARDY.**—Perfectly hardy without protection. Foliage a beautiful metallic shade of bluish green. Flowers remain out a long time.

- Abbotsford**—Deep carmine-pink, petals edged white, clove fragrance.
- Her Majesty**—Large white flowers, fringed, double; long stiff stems.
- May Pink**—The old-fashioned hardy garden pink.
- Souvenir de Sals**—Flowers delicate soft rosy pink; large as a Carnation; of beautiful form, very double; fine for cutting.

Each, 10c.; dozen, 75c. The Set of 4 for 30c.

Platycodon Grandiflorum. "Chinese Bell-Flower."

Blooms the entire season. Flowers large, bell-shaped, deep blue. Rapid growing, will do well in any ordinary garden soil. Perfectly hardy, dense bush, 2 to 3 feet high. Each, 10c.; 2 for 25c.

Poppy. (**Papaver.**) **ORIENTALE**—Very attractive deep red flowers grown on strong stems 2 to 3 feet high, with abundant foliage. Flowers enormous size.

BRACKETEA—Charming variety; stout leafy stems; 2½ feet high; very large deep blood-crimson flowers having a blotch at the base of each petal; very striking.

Above, each, 15c.; the 2 for 25c.

See first eight pages for other desirable new Flower Plants and Seeds.

BLOOM RUDBECKIA, GOLDEN GLOW, PLANT

Rudbeckia. Golden Glow.

A grand, good, hardy, herbaceous plant of easy culture. Perfectly hardy. Averages 2 to 6 feet in height and forms large clumps, which produce, literally, armfuls of rich, deep golden-yellow flowers on long stems in beautiful contrast with its rich dark green foliage. Fine for center of beds or as a hack-ground for beds of scarlet sage (Salvia) or other scarlet blooming plants. Each, 10c.; 3 for 25c.; doz., 75c.

Sweet William. A splendid plant in clumps or borders. Fragrant. Our plants are grown from select stock. Double or Single, plants, each, 10c.; doz., \$1.00.

Violet. **Double Russian**—Perfectly hardy, and should be planted in open ground, needing no protection during winter. Flowers are large, very double, deliciously fragrant, and of a very deep shade of blue. Blooms in immense masses, the plants being almost covered with flowers for about four weeks. Each, 15c.; 2 for 25c.

Water Lilies.

Becoming more popular every year. The cultivation is very simple. The best soil for growing them is a rich, fibrous loam, with a liberal mixture of well-rotted cow manure. Rich mud from the bed of a pond or sluggish stream is also good. May be successfully grown in the open air in tubs, either on the surface or sunk in the ground. Oil barrels cut in two make inexpensive tubs. About the middle of May put in the loam to the depth of 6 or 8 inches, in which plant the roots, barely covering them. Put on about two inches of sand to prevent the manure from rising to the top. Fill in 6 inches of water, set in a sunny place, adding water gradually until the tub is full by the time the leaves have covered the surface, and replenish the water as it loses by evaporation. In the winter pour off the water and remove to a cool cellar, or keep from hard freezing by covering with leaves.

Nymphaea odorata Superba—A superior variety of the well known white Lily of our ponds and streams; very fragrant; golden-yellow center. Each, 20c.; 3 for 50c.

N. Oederata Rosea—The famous pink Water Lily of Cape Cod. Very choice variety. Each, 40c.; 3 for \$1.00.

N. Marliacea Chromatella—The grandest of all Yellow Nymphaeas. Very double; the color being a very beautiful lemon yellow. A free bloomer and as hardy as an oak. Each, 40c.; 3 for \$1.00.

The Set of 3 fine Water Lilies for 90c.

FOR EASTER AND OTHER LILIES. SEE BULB CATALOGUE. Issued about September 1st. Free on application.

Yucca. Adam's Needle.—A tropical looking plant, with long narrow leaves that remain green the entire year; flower stems 3 to 4 feet high, bearing a large spike of creamy-white bell-shaped flowers. Fine for cemetery, lawns, center plant, etc. Good Roots, 20c. Stronger Roots, each, 35c.

Hardy Ornamental Shrubs.

Althea (Rose of Sharon.) Strong, erect-growing shrubs of the easiest culture, which bears large and showy flowers in early fall. Very desirable as an ornamental hedge plant and on account of flowering when few other shrubs are in bloom.

Totus Alba—Single White. Rubra Plena—Double Rose.

Above, each, 15c.; The 2 for 25c.

Barberry Used as hedge plants quite extensively, yet they make nice specimen plants when planted singly or in groups in the lawn.

Thunbergii—A very pretty variety; of dwarf graceful habit; foliage small, changing to beautiful bright red early in fall; very showy.

Nilcifolia—(Holly Leaved.) Large dark, green leaves which remain on the plant well into winter.

Above, each, 25c.; doz., \$2.50.

CALIFORNIA PRIVET.

California Privet A quick, strong growing shrub, yet easy to control, by use of shears or knife, to any desired shape. Fine for hedges between city lots, on large rural grounds, parks, cemeteries, in single clumps or with other shrubs, also as screens to outbuilding, fences, etc. Very hardy, easy to grow, on all soils, even in partial shade; almost evergreen, its rich, leathery-green foliage, changing to deep purple in winter. Each, 10c.; 3 for 25c., prepaid.

PRIVET PRICES—15 to 18 inches, 100, \$2.50; 1000, \$20.00. 18 to 24 inches, 100, \$3.50; 1000, \$30.00. 24 to 30 inches, 100, \$4.00; 1000, \$35.00. 30 to 36 inches, 100, \$5.00; 1000, \$40.00. 36 to 42 inches, 100, \$6.00; 1000, \$50.00.

Privet Plants sent by Express or Freight at purchaser's expense.

Cornus (DOGWOOD)—Sanguinea—(Red-Branded)—A strong growing shrub, with clusters of fine white flowers, stems and branches turning blood red in winter. Each, 15c.

Mascula Variegata—(Cornelian Cherry)—A small tree-like shrub, producing early in spring, before the leaves appear, clusters of bright yellow flowers which are followed by red berries. Pretty, variegated leaves. Each, 25c.

Cydonia (Japan Quince)—These rank among the choicest of flowering shrubs. Will bear pruning into any desired form. As single shrubs they are very attractive; also fine for borders or groups. The large brilliant flowers appear early in spring, before the leaves, and covers every branch; bright glossy green foliage throughout the summer. Splendid hedge plant.

Japonica—Bright red flowers.

Atro Sanguinea—Handsome semi-double scarlet flowers.

Umbellata—Brilliant rosy red, followed by large fruit.

Each, 25c. The 3 for 60c.

Deutzia Recommended for hardiness, good habit, great profusion of bloom, and as being in every respect one of the most desirable hardy shrubs in cultivation. The flowers are borne in racemes from 4 to 6 inches in length.

Gracilis—Flowers white, single. Each, 20c.

Crenata flore-pleno—Flowers double, white, back of petals pinkish. Each, 20c.

Elaeagnus Longipes A hardy, vigorous-growing shrub, dark green above; silvery white beneath. Bark reddish brown in winter. Flowers bright yellow. Fruit oblong, bright red, covered with small white spots, very attractive; is juicy, has a sharp, pleasant flavor. Each, 25c.

Exochordia Grandiflora A vigorous growing shrub, forming a neat, compact bush which can be trimmed into any desired shape. Flowers in slender racemes of 8 to 10 flowers each, on light, wiry, arched and graceful branches. Perfectly hardy; flowers pure white. Each, 15c.

Forsythia (Golden Bell)—Among the best of our very early spring-flowering shrubs; the flowers appear before the leaves.

Fortunei—Leaves dark green; flowers bright yellow; early. A fine upright growing shrub. Each, 25c.

Honeysuckle BUSH LONICERA.—(Tartarica)—Fine pink flowers in beautiful contrast with foliage.

Tartarica Grandiflora—Large bright red flowers, striped with white.

Each, 20c. The 2 for 35c.

FOR CLIMBING HONEYSUCKLE SEE HARDY CLIMBERS.

Hydrangea

Paniculata Grandiflora.

One of the best of flowering shrubs; absolutely hardy in all sections of the country. Easy to grow. Flowers in immoderate panicles, white at first, gradually changing to rose color, and remain in good condition for weeks. Strong Plants, 15c.; doz., \$1.25, postpaid. Extra Strong Plants, (2 to 3 ft.), by Express, 40c.; 3 for \$1.00.

Lilacs (Syringa)—This well known and fragrant flower needs no description. They grow freely and bloom profusely, even in poor soil.

Marie Lefraige—A beautiful large-flowering variety. The best single white. Each, 25c.

Purple—The old Purple variety. Each, 20c.

White—The old White variety. Each, 20c.

Japonica—The only one having tree form. Flowers white, showy, borne in long plumes, 18 to 20 inches. Very handsome when in bloom. Each, 35c.

Philadelphus SYRINGA (Grandiflorus)—(Mock Orange) Shrubs, Each, 25c.

Snowball (Viburnum)—Japanese—One of the grandest high. Foliage olive-green throughout the summer, but toward fall it turns much darker. Flowers pure white, four to six inches across and completely cover the bush. Each, 25c.

Opulus—Flowers pure white, in clusters, followed by bright red berries. Blooms last of May. Each, 15c.

Tomentosa—Blooms about May 15; pure white, followed by very showy red berries which finally turn black. Each 25c.

Spiraea Everyone should plant these graceful shrubs; of easiest culture; very desirable in collections; bloom early and throughout the summer months. Perfectly hardy.

Anthony Waterer—Valuable hardy ornamental shrub. Grows in a compact, bushy form. Perpetual bloomer, bearing large clusters of bright crimson flowers.

Arguta—A fine new Spiraea of dwarf habit. Flowers clear white, and freely produced. Best very early-flowering white variety.

Bumalda—A very handsome dwarf of compact habit; covered during mid-summer and autumn with a mass of lovely, bright rose-colored flowers.

Prunifolia—(Plum Leaved Spiraea)—The well known and popular "Bridal Wreath." Foliage in autumn turns to a fine bronze. Blooms in May, pure white double flowers. Makes showy plants.

Thunbergii—One of the most charming of all low-growing shrubs, with fine, foliage and a profusion of small white flowers in spring.

Van Houttei—A vigorous plant that curves gracefully towards the ground, and the last of May or in June are covered with a mass of pure white bloom.

Above, each 15c.; doz., \$1.50. Set of 6 Spiraea for 75c., postpaid.

Sumac (Rhus)—A fine spreading, low growing shrub. Glabra Laciniata—A splendid variety, having finely divided leaves, which turns to crimson in the fall. Each, 25c.

Sweet-Scented Shrub (Calycanthus Floridus) Chocolate colored, strawberry-scented flowers, very double, deliciously fragrant; remains in bloom a long time. Very desirable. Each, 15c.; doz., \$1.50.

Tamarix Fine feathery foliage like that of the Juniper; valuable in sandy soil where most shrubs will not do well. Africana—Of upright growth, small pink flowers, on long spikes. Each, 25c.

Weigelia Handsome summer-flowering shrubs, with an abundance of tubular, trumpet-shaped flowers, borne in clusters.

Candida—Pure white. Rosea—Blush white.

Each, 20c. The 2 for 35c.

HYDRANGEA.

HARDY CLIMBERS

Akebia

Quinata

One of the best hardy climbers. Bears throughout the season numberless clusters of fragrant violet-brown flowers with a pleasant cinnamon odor; blooms early in spring, continuing several weeks. In good soil will grow 20 to 40 feet high, according to location. Plants 15c. each; 4 for 50c.

Apios Tuberosa A Hardy Climber. (Also called **Tuberous Rooted Wistaria**, as it greatly resembles that well-known vine.) Blooms most profusely, bearing lovely clusters of rich, deep purple flowers, possessing a delicious violet fragrance. Perfectly hardy. If convenient plant several bulbs closely together to produce a large mass of foliage and flowers. Bulbs, each, 5c; 5 for 20c.; doz., 40c.

Ampelopsis **BOSTON IVY.**—**VEITCHII**—The popular Boston or Japan Ivy. The finest climber for training over brick walls, as it clings firmly to the smoothest surface, covering it smoothly and densely with fresh green heart-shaped leaves in summer, which change in the fall to the bright autumn colors. It likes a rich soil. Quite hardy, but requires a slight protection in winter in our climate. Strong Plants, each, 15c.; 2 for 25c. Extra Strong Plants, each, 25c.; 3 for 60c.

QUINOCEPOLIA (Old Virginia Creeper, "American Woodbine")—Extremely hardy, rapid grower. Splendid for covering walls, old trees, etc. Foliage assumes beautiful shades in the fall. 15c.; 4 for 50c.

Aristolochia Sipho Dutchman's Pipe Vine—A magnificent perfectly hardy vine of rapid growth, with very large heart-shaped leaves and brownish flowers resembling in shape a miniature pipe; splendid for archways or verandas. The leaves retain their light green color until late in the fall. Each, 30c.; 4 for \$1.00. Extra Strong Plants, 50c.; 3 for \$1.25.

Bignonia Radicans Trumpet Flower.

A rapid growing climber with long dark red trumpet-shaped flowers, with orange throat; very hardy. Each, 15c.; 3 for 40c.

GRANDIFLORA—Large flowered, bearing blooms of an orange-red color. Each, 35c.; 2 for 45c.

Cinnamon Vine

This beautiful rapid climber possesses the rare quality of emitting from its lovely white flowers, the delightful odor of cinnamon. They are perfectly hardy, dying down every autumn but growing again in the spring so rapidly as to cover a trellis or arbor very early in the season. Vines run 25 feet or more, and when trained over and about a door and window make an ornament much admired. It is easy to cultivate, has no insect enemies, and is not affected by drought, because it roots so deeply. The tubers are called "Chinese Yams." They increase in size from year to year, and are often two feet long at 2 or 3 years of age. We have grown this vine for many years, and sent out thousands to every section of the country, and the common verdict is—"One of the most desirable climbers in cultivation."

Roots—Postpaid, each, 10c.; 2 for 15c.; 3 for 25c.; 15 for 50c.; 40 for \$1.00; 100 for \$2.00.

Ivies **Hardy English**—Invaluable on account of its remaining evergreen all the year. This is the variety used for covering graves, especially if in the shade where grass will not succeed. Plants, each, 15c.; 2 for 25c., postpaid. Large Plants, by Express, each, 25c.; 2 for 45c.

PILOGYNE SUAVIS. A Beautiful New Vine. See Novelties

SEIBOLDII

M. ANDRE

HENRY VII

JACKMANII

Clematis THE JUSTLY PROUD QUEEN OF ALL CLIMBERS,

with its large beautiful flowers of many colors, produced in great profusion the entire season, is admired by everyone, the world over. It is a rapid grower, and delights in a heavy rich soil and a sunny position. Dig the soil deep and plant so that the crown of the roots will be three inches below the surface of the soil, water freely, especially in dry times; give plants a good top dressing of well-rotted manure late in the fall, and in the spring spade well and carefully into the soil and you will be well repaid. The varieties below are those best adapted to our climate.

JACKMANII—Flowers dark rich royal-purple; very free bloomer; the best known and most popular. See cut.

HENRY VII—Best single flowered white. Robust habit; fine bloomer; large finely formed pure white flowers; very hardy. See cut.

SEIBOLDII—Extra large; a beautiful lavender; strong grower; very hardy. See cut.

MADAME EDUARD ANDRE—A valuable new variety; distinct new color; fine bright crimson; large flowers, borne profusely. See cut.

Above Clematis, each, 40c.; the set of 4 for \$1.35. Extra Strong 2-year-old Plants, each, 60c.; any 3 for \$1.50.

Clematis Paniculata.

New Sweet Scented Japan Clematis—One of the finest additions to our list of hardy climbers. Of very rapid growth, quickly covering trellises and arbors with handsome clean glossy green foliage. Flowers of medium size, pure white, borne in immense sheets; of a most delicious and penetrating fragrance. The flowers appear in late summer at a season when few other vines are in bloom. Each, 20c.; 3 for 50c.

CLEMATIS PANICULATA

Honeysuckle

Among the most desirable hardy climbers. Grow with great freedom in any good garden soil. Very desirable for porches. When trained to wire fence make a good hedge.

Hall's Japan (Halliana)—An evergreen variety from Japan—freely the leaves remaining on the vine until January. Flowers pure white, changing to yellow. Very fragrant. Each, 15c.

Japan Golden-Veined—Foliage small, beautifully netted with yellow. Flowers white, sweet. Each, 15c.

Japonica—Flowers almost pure white, and produced all summer. Nearly an evergreen sort. Each, 20c.

Sempreviva (Scarlet Trumpet)—Flowers beautiful scarlet, trumpet-shaped; very handsome variety. Each, 20c.

One each above 4 Fine Honeysuckles for 60c.

Jasmines **Hardy**—A favorite climber. Flowers nearly the entire season.

Yellow Jasmine (Nudiflorum)—Produces fragrant yellow flowers; hardy, with protection, in this latitude. Each, 25c.

White Jasmine (Officinale)—Pure white fragrant flowers; it also makes a very desirable house plant in winter. Each, 25c.

Matrimony Vine (Lycium)—A beautiful half-climbing hardy plant, sometimes pruned and trained into shrub-like form. Flowers purplish pink, followed by large quantities of showy bright red berries in the fall. Each, 20c.; 3 for 50c.

Wistaria Very popular, hardy, rapidly growing up to 50 feet or more. It flowers early in spring, and when in bloom is truly magnificent. Flowers in masses, like bunches of grapes.

Chinese Blue—Soft lavender-blue; fragrant. By Mail, each, 25c. By Express, large plants, each, 35c.; 3 for \$1.00.

Chinese White—By Mail, each, 35c. By Express, large plants, 50c.

SENATOR
DUNLAP

SMALL FRUITS

Our Prices are what we think will rule for Good Reliable Plants, but are subject to market changes after about March 1st. We will be pleased to make Special Prices for Larger Quantities than here quoted. Write us for prices, stating about what is wanted in kind and quantity.

Prices quoted are net cash for spring delivery. We will not send plants C. O. D., nor by freight, as it is unsafe.

Plants by Mail.—Plants are packed with Sphagnum moss and oiled manilla paper, so they will go safely to any part of the United States.

Errors, with our system, rarely occur; when they do, we gladly rectify them, if notified at once.

Guarantee.—The plants being propagated in special beds, and labeled when taken up, it seems almost impossible to make a mistake, but if one does occur, we are not to be held responsible for any damages beyond the amount received for the plants.

Results.—We have no control over plants after their delivery, in good shape, for transportation; hence, we cannot guarantee any results whatever, but our responsibility ceases when delivered to Express Company's Agent for shipment.

UNCLE
JIM

STRAWBERRIES.

Plant in March, April or May, on good ground deeply worked and well manured. Set in rows 3½ feet apart, 15 inches in rows for field culture; 15 inches each way for garden. Cultivate clean; mulch late in the fall and uncover early in spring. Remove mulch after fruiting and, spade in light dressing of manure.

SOME SUPERB NEW STRAWBERRIES.

Senator Dunlap Many large growers pronounce this "the greatest all round variety ever introduced." Foliage very dark green; the plants are produced in great abundance, and are very hardy, and so far show no sign of winter injury. Wonderful productive, even in a matted row, and generally brings every berry to maturity. The berry resembles the Warfield in size and color; ripens at the same time, but is sweeter and a better keeper; remains in bearing until late; beautiful in form and color; is easily worked and hulled. By Mail, postpaid—Doz., 30c; 50 for 40c; 100 for 75c. By Express, not paid—100 for 50c; 250 for \$1.00; 500 for \$1.60; 1000 for \$3.00.

Parsons Beauty A most valuable new berry; very symmetrical and handsome in appearance; very large and showy; dark red in color, with no white tips. Foliage strong, rank and spotted, no rust at all. Season medium early. A steady and heavy bearer, and by many good growers rated as one of the very best market berries. We have an extra stock of Parsons Beauty plants and make a very low price for so new and really valuable variety. By Mail, postpaid—Doz., 30c; 25 for 50c; 100 for \$1.00. By Express, not paid—100 for 75c; 500 for \$1.70; 1000 for \$3.25.

Marie (Imperfect Flowers.) In field culture it has failed to show any weak points in either fruit or plant. The plants make plenty of runners and show no sign of disease. Medium early, large, and hold up the size to the last. Very productive. Very attractive in appearance. When ready for market are round as a ball, dark crimson in color; flesh dark and quality first-class. Marie brings fancy prices. By Mail, postpaid—Doz., 30c; 50 for 40c; 100 for 75c. By Express, not paid—100 for 50c; 250 for \$1.00; 500 for \$1.60; 1000 for \$3.00.

STRAWBERRY PLANT PRICES—All varieties below, by mail, postpaid, dozen, 25c.; 50 for 40c.; 100 for 75c. By Express, not paid—100 for 50c.; not less than 100 of any one kind only, at this price.

Springdale Beauty Growing in favor very rapidly. Plants hardy and productive; root deep, and stand drouth well. Fruit borne on tall stems, perfect in shape, bright and beautiful in color, enormous in size; very prolific; a wonderful keeper.

Lester Lovett Very prolific; of superior quality; a late fruiting sort with large fine fruit; berries globular, or slightly conical, uniformly very large and perfect in shape, continuing large to the close of the season; color, bright red, and held well after being picked; exceedingly firm, and of rich flavor, with delightful aroma. Plants strong growers, very healthy.

EXCELSIOR—An abundant plant maker; fruit good size, roundish heart-shape, very uniform, dark red, quite firm; productive. Early.

MARIE

HAVERLAND (Imperfect Flowers.) A grand market berry; should be planted with Clyde or some other good pollinizer; immensely productive; its scarlet firm is large, cone-shape. Early to late.

LOVETT—Fruit good size, bright red; firm; productive; valuable as fertilizer for imperfect flower kinds. Early.

RICK OERMER—Very large, handsome, showy berry of extra high quality when grown on good soil and given high cultivation. Medium to late.

ROUGH RIDER—Very productive, extremely vigorous, fruit large and attractive, firm, very late, good keeper, fine flavor, irregular in shape, dark color. Sells at highest prices.

SAMPLE (Imperfect Flowers.) Berries large, round, very large rich crimson; flesh firm, dark, rich, juicy, of splendid quality; productive, in form, handsome appearance and high quality makes it one of the best.

WM. BELT—Mid-season. A giant in size; productive; brilliant red; quality fine; good shipper.

☞ We can usually furnish Choice Plants of many other leading Strawberries, including Dubach, Feder Wood, Crescent, Enhance, Warfield, etc., and shall be pleased to quote on application. Special Prices to buyers of several thousand. Send us your list of wants when ready to buy. No plants will be sent by freight or C. O. D.

Dip the plant roots in water as soon as received, and bury the roots in moist, shady ground till you are ready to set them out; neglect for an hour is often fatal.

All the varieties here offered have perfect flowers, except those marked imperfect; the imperfect flowering will not produce well unless every 4th or 5th row is a perfect flowering variety.

Uncle Jim This grand new variety belongs in the front rank. Growers in various fruit sections are enthusiastic in its praise. It is a strong grower and rust proof. Season late—a little earlier than the Gandy, and may be picked for four or five weeks; every one is a perfect berry to the last; they are exceedingly productive. A No. 1 shipper, large size, fine color, and of excellent flavor; ripens evenly; there is no green end or hard core. By mail, postpaid—Doz., 30c.; 25 for 50c.; 100 for \$1.00. By Express, not paid—100 for 50c.; 300 for \$2.00.

☞ Plants of genuine Uncle Jim are very scarce this season. Price per 1000 on application.

Nichol's Granville A distinct new variety of great value. Of glossy when fully ripe, is produced in clusters on long strong stems well up from the soil. Flesh firm, rich dark red and of delicious sweet flavor, either when fresh or canned. One of the VERY BEST for canning. Medium to late in time of bearing, and holds up in size of fruit throughout the season, but remains firm for some time after being fully ripe. Grows an abundance of vigorous and healthy plants, many of which are densely crowded. By Mail, postpaid—Doz., 30c.; 25 for 50c.; 50 for 70c.; 100 for \$1.25. By Express, not paid—100 for 75c.; 300 for \$2.00; 500 for \$3.25; 1000 for \$6.00.

SPECIAL OFFER.—10 each of above 5 Choice New Strawberries, postpaid, for \$1.00; 25 each for \$2.00. By Express, 100 each for \$3.50.

STANDARD AND RELIABLE VARIETIES.

STRAWBERRY PLANT PRICES—All varieties below, by mail, postpaid, dozen, 25c.; 50 for 40c.; 100 for 75c. By Express, not paid—100 for 50c.; not less than 100 of any one kind only, at this price.

Springdale Beauty Growing in favor very rapidly. Plants hardy and productive; root deep, and stand drouth well. Fruit borne on tall stems, perfect in shape, bright and beautiful in color, enormous in size; very prolific; a wonderful keeper.

Lester Lovett Very prolific; of superior quality; a late fruiting sort with large fine fruit; berries globular, or slightly conical, uniformly very large and perfect in shape, continuing large to the close of the season; color, bright red, and held well after being picked; exceedingly firm, and of rich flavor, with delightful aroma. Plants strong growers, very healthy.

EXCELSIOR—An abundant plant maker; fruit good size, roundish heart-shape, very uniform, dark red, quite firm; productive. Early.

AUGUST LUTHER—A real early variety. Plants vigorous and prolific; berries medium to large, conical, bright scarlet color; flesh light red. Good quality; valuable for market and home use.

BRANDYWINE—Extra large, handsome, firm and solid, of superior quality; one of the best canning sorts on account of its firmness and deep color. Medium late, and holds almost as late as Gandy.

GANDY—Standard late variety. Large, handsome, bright crimson, very uniform in shape, firm; splendid shipper; vigorous, healthy.

CLYDE—Gives entire satisfaction in all parts of the country; perfectly healthy; very large in size, are firm and of uniform cone-shape, first-class pollinizer for Haverland. Medium early.

NICHOL'S GRANVILLE

Raspberries

Should be planted in rows about 3 feet apart.

CUMBERLAND (Black Cap)—Stands at the head of the list. It is the largest, most productive, handsomest and best flavored berry we know of. A strong, healthy grower. Ripens mid-season. Postpaid—Each, 10c.; doz., 50c.; 100 for \$2.40. By Express, not paid—100 for \$2.00; 1000 for \$15.00.

MUNGER (Black Cap)—single specimens measure one inch in diameter. Brings highest market price. Resembles Gregg, better flavored, excels in size, ripens five to eight days later. Extra fine for canning and evaporating. Withstands drought and hot sun. Postpaid—Each, 10c.; 4 for 25c.; dozen, 60c.; 100 for \$1.75. By Express, not paid—100 for \$1.50; 1000 for \$12.00.

EUREKA—The best early. Very productive; fruit large and firm; quality the best. Postpaid—Each, 10c.; doz., 50c.; 100 for \$1.40. By Express, not paid—100 for \$1.20; 1000 for \$10.00.

GREGG—Late Black Cap. Fruits very fine and large; well known and popular. Postpaid—Each, 10c.; doz., 50c.; 100 for \$1.40. By Express, not paid—100 for \$1.25; 1000 for \$10.00.

KANSAS—A remarkably good, second early black cap. Postpaid—Each, 10c.; doz., 50c. By Express, not paid—100, \$1.25; 1000, \$10.00.

The King—The great extra early red berry. Fruit large, bright red, good quality. Bush strong and sturdy, more productive than Loudon. A money-maker that every grower should plant. Seems to do well everywhere, and is free, so far, from root gall. Postpaid—Each, 10c.; doz., 50c.; 50, \$1.25. By Express—100, \$2.00; 1000, \$12.00.

CARDINAL—A new red that is rapidly growing in favor. A very strong, hardy grower, needing plenty of room. Surprisingly productive; berries large, dark red, firm, rich flavor, either raw or canned. Postpaid—Each, 10c.; doz., 60c.; 100 for \$2.50. By Express, not paid, 100 for \$2.25; 1000 for \$18.00.

LOUDON—A fine red. Ripens early; large; holds out very late; productive. A standard sort. Postpaid—Each, 10c.; doz., 50c.; 100 for \$1.75. By Express, not paid—100 for \$1.50; 1000 for \$12.00.

MILLER RED—Very early. Berries large and firm. Postpaid—Each, 10c.; doz., 40c.; 100, \$1.25. By Express—100, \$1.25; 1000, \$10.00.

Currants. The plants of this fruit should be set 4 feet apart in good rich soil. Cultivate well. **FAY'S PROLIFIC**—Abundant yielder, large, bright red berries; early; fine quality.

VERSAILLES—An old standard, very large red, of excellent quality.

VICTORIA—Large, bright red, bunches long; very productive.

WHITE GRAPE—The best white; large, of excellent quality.

NORTH STAR—Very hardy; early; abundant fruiter; strong grower.

RED DUTCH—Profuse bearer; very strong grower.

Prices of each of the above Currants—One Year Plants, postpaid—each, 10c.; 3 for 20c.; doz., 75c.; 25 for \$1.25; 50 for \$2.25. By Express, not paid—25 for \$1.00; 50 for \$1.75; 100 for \$3.00. **Two Year Plants**—25, \$1.25; 50, \$2.25; 100, \$4.00. Price per 1000 on application. **Two year plants are too large to mail.**

RED CROSS CURRANT—The best of all new Currants. Red Cross clusters are long and have well-keened berries, double the size of Victoria, and far superior in quality. No currant compares in quality with Red Cross. Fruits grow in such masses as to hide the under branches from view. Bunches heavy, and yields two or three times as much fruit. Postpaid—Each, 15c.; 2 for 25c.; doz., \$1.00; 100 for \$8.00.

BLACK NAPLES—The best black Currant for all purposes: will stand most any climate; valued for jellies and jam; it is very productive and hardy. Postpaid—Each, 10c.; doz., \$1.00.

GRAPES.

The grape vine is of easiest culture, succeeds almost everywhere. Everyone should have them in abundance. One of the very best. Fruit white, changing to yellow tinge when ripe; very juicy; has few seeds; quality unexcelled; size, medium. Vine is like Concord in growth, foliage and hardiness. Very early.

CONCORD—Universally popular; succeeds everywhere; purple-black. Very productive.

DELAWARE—Bunch small, compact; light red; very sweet and of delicious flavor.

BRIGHTON—A fine dark red sort; very early; large, compact bunches; berries medium to large; very sweet, of high flavor.

WORDEN—A popular black grape; earliness about Concord; larger bunch and berries.

AGAWAM—(Rogers' No. 15.) A fine red; berries very large; skin thick; flesh meaty, juicy and of the highest flavor. Good keeper. Medium early.

Prices of above Grapes—1-Year Vines, doz., 75c.; 25 for \$1.50; 50 for \$2.50; 100 for \$4.75. 2-Year Vines, doz., \$1.00; 25 for \$1.75; 50 for \$3.25; 100 for \$6.00. **Special Price for Concord—1-Year Vines**, 50 for \$2.00; 100 for \$3.75. 2-Year Vines, 50 for \$3.00; 100 for \$5.00.

McPike—Earlier than Concord. Vigorous, hardy and productive; very large bunch and mammoth berries, with blue bloom; flesh rich and sweet; very early; seeds few, small, and part readily from pulp. **Choice One Year Vines**, postpaid—Each, 30c.; 4 for \$1.00. By Express—25 for \$0.90; 50 for \$0.90; 100 for \$1.00. 2-Year Vines, postpaid—Each, 40c.; 3 for \$1.00. By Express—25 for \$0.90; 50 for \$1.00.

Campbell's Early. Of Special Merit, with very strong, vigorous, hardy vine and large thick, healthy mid-leaf resisting foliage; abundant clusters of very large, compact and handsome black grapes, with blue bloom; flesh rich and sweet; very early; seeds few, small, and part readily from pulp. **Choice One Year Vines**, postpaid—Each, 15c.; 4 for 50c.; 10 for \$1.00. 2-Year Vines—Each, 30c.; 2 for 50c.; 5 for \$1.00; doz., \$2.00. By Express—One Year Vines—25 for \$2.00; 100 for \$7.00. 2-Year Vines—25 for \$2.50; 100 for \$9.00.

SPECIAL PRICES ON ANY OF THE ABOVE IN LARGER QUANTITIES ON APPLICATION.

Haymaker Raspberry

Haymaker (New.) Largest Size Purple. Perfectly Hardy. Best Canner. Beautiful purple fruit, largest size, which does not crumble in handling or shipping. Abundant cropper, of high quality. A vigorous grower, perfectly hardy, a drouth resister, free from disease; almost thornless. A favorite market and canning sort. Above claims are made after several years experience by well-known leading fruit men. Postpaid—Each, 10c.; doz., 60c.; 100 for \$2.50. By Express, not paid—100 for \$2.25; 1000 for \$18.00.

COLUMBIAN (Purple Cap)—A fine, large, deep purplish-red berry of high flavor; hardy; productive; grand berry for table and canning. Postpaid—Each, 10c.; doz., 50c.; 100 for \$1.75. By Express, not paid—100 for \$1.50; 1000 for \$13.00.

GOLDEN QUEEN—Handsome golden-yellow berry; finest flavor; very productive. Postpaid—Each, 10c.; doz., 50c.; 25 for \$1.00. By Express, not paid—100 for \$1.50.

JAPANESE WINEBERRY—Deep glossy red, borne in large clusters; esteemed for canning, preserves, jellies, etc. Postpaid—Each, 10c.; doz., 75c.; 100 for \$2.50. By Express, not paid—100 for \$2.25.

Blackberries.

Should be planted in rows 4 feet apart, 6 at the dozen rate, 50 at the 100 rate.

Meseroe (New)—Immense size, extremely hardy and productive. Unites size of Wilson with hardness of Snyder. Mammoth sized fruit of sparkling black, which it retains long after picking; sweet, rich, melting. Above claims are made after several years experience by well-known good keeper and shipper. Very hardy, never has winter-killed in northern New York where it originated. Cans strong, upright; foliage large, abundant and free from rust or blight; yield enormous, season early to mid-season. We believe this to be a grand good new sort. Postpaid—Each, 10c.; 3 for 25c.; doz., \$1.00. By Express—100, \$2.50; 1000, \$18.00.

NEW WHITE ICEBERG—As productive, hardy, abundant, handsome and delicious as black ones. Cans loaded with delicious snowy-white berries.

Meseroe Blackberry. **SNYDER**—Hardy. More generally planted than any other, both for market and home use; no hard sort core; few thorns.

EARLY HARVEST—The best early; fruit black; productive.

ELDORADO—Enormous yielder; large jet black berries; large clusters.

OEMER—Best late; large; ripens after Raspberries; firm; sweet.

LUCKETTA DEWBERRY—Ripens early; hardy; very productive; berries large; sweet; luscious.

PREMO DEWBERRY—Earliest and most productive variety. Very large, jet black, firm, solid. Crop ripens rapidly. Each, 15c.; 50 for \$3.00.

Blackberry Prices—By Mail, postpaid—Each, 10c.; 3 for 25c.; doz., \$1.00. By Express, not paid—Snyder, Harvest and Lucretia, \$1.00 per 100; \$8.00 per 1000. Eldorado, \$2.00 per 100. Ohmer, \$1.75 per 100. Iceberg, 25 for 75c.; \$2.50 per 100. **Special Prices on Large Lots. Can also furnish other leading kinds.**

Gooseberries. Plant in good rich soil in rows 5 feet apart by 3 feet in the row.

The Josselyn has no rival. Most magnificent berry ever introduced. New. Dried. Thrifty grower, free from mildew; early; productive; large ruby-red berries. Postpaid—Each, 10c.; 4 for 35c.; doz., \$1.00; 25 for \$2.00. By Express—25 for \$1.75; 100 for \$4.00.

DOWNING—Enormously productive; large, pale green; splendid quality. Postpaid—Each, 10c.; 3 for 25c.; doz., 85c.; 25 for \$1.50. By Express—25 for \$1.25; 100 for \$4.00.

1-Year Vines, doz., 75c.; 25 for \$1.50; 50 for \$2.50; 100 for \$4.75. 2-Year Vines, doz., \$1.00; 25 for \$1.75; 50 for \$3.25; 100 for \$6.00. **Special Price for Concord—1-Year Vines**, 50 for \$2.00; 100 for \$3.75. 2-Year Vines, 50 for \$3.00; 100 for \$5.00.

McPike—Earlier than Concord. Vigorous, hardy and productive; very large bunch and mammoth berries, with blue bloom; flesh rich and sweet; very early; seeds few, small, and part readily from pulp. **Choice One Year Vines**, postpaid—Each, 15c.; 4 for 50c.; 10 for \$1.00. 2-Year Vines—Each, 30c.; 2 for 50c.; 5 for \$1.00; doz., \$2.00. By Express—One Year Vines—25 for \$2.00; 100 for \$7.00. 2-Year Vines—25 for \$2.50; 100 for \$9.00.

SPECIAL PRICES ON ANY OF THE ABOVE IN LARGER QUANTITIES ON APPLICATION.

Campbell's Early Grape.

FERTILIZER PLANT FOODS, ETC.

Special Prices to persons wanting in TON OR CAR LOTS. Fertilizer Prices: F. O. B. Colver, basis of any of the following fertilizers cheerfully given if desired.

RAW BONE MEAL—Our Raw Bone Meal is evenly ground and especially adapted for drilling. For lawn use 10 lbs. for 250 square feet. Price—10 lbs., 40c; 25 lbs., 75c; 50 lbs., \$1.25; 100 lbs., \$2.00.

BONE FLOUR—Especially adapted to florists' use. Gives the best of results. 10 lbs., 35c; 25 lbs., \$1.00; 100 lbs., \$2.25.

POTATO, TRUCK AND TOMATO FERTILIZER—Adapted to hastening the early maturity of crops and give high flavor to vegetables. Very popular. 10 lbs., 40c; 25 lbs., 65c; 50 lbs., 85c; 100 lbs., \$1.60.

GARDEN MANURE—Runs higher in its percentage of Ammonia and Potash. A splendid grower of early vegetables. Best-all-around fertilizer. 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.25.

NITRATE OF SODA—For early vegetable crops, it will produce wonderful results. As the market price for Nitrate is subject to frequent changes our prices are also subject to change without notice. 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.25; 100 lbs., \$4.00.

LAND PLASTER OR GYPSUM—Used by many potato and vine growers. Per barrel of about 300 lbs., on cars, \$1.75; 5 bbls. for \$8.00.

CANADA HARD-WOOD ASHES—Splendid as a lawn dressing. Should be applied late in spring or early in spring, so that the rains and snow may reach the ashes and carry the elements down to the roots of the grass. Our ashes are screened and are in proper condition for immediate use. Apply at the rate of 75 lbs. to 1000 square feet. 50 lbs., 75c; per bbl., of 200 lbs., \$1.75; ton, \$15.00.

SHEEP MANURE—(Pulverized)—A pure natural manure and very nutritious for plants. For potting soil mix one part manure to six parts soil. For vegetable garden, placed directly in hills or drills, it promotes a rapid, steady growth until maturity. Splendid top-dressing for lawns. 5-bbls., 40c; 10 lbs., 40c; 50 lbs., \$1.25; 100 lbs., \$2.00.

WALKER'S EXCELSIOR PLANT FOOD—Odorless and perfectly soluble for house plants. A pound box sufficient for 25 ordinary sized plants for one year. Pound box, by mail, 40c; ½-lb. box, 25c. By Express, not paid, pound box, 25c; doz., \$2.50.

LAWN FERTILIZER—Old and New Lawns require Stimulating after the winter, or in the fall after the season of cutting and heat of summer. For this purpose we recommend Wood Ashes, Sheep Manure or Bone Meal, as being the best adapted to the wants of the lawn.

Write for prices on Muriate and Sulphate of Potash, "Kainit," etc.

INSECTICIDES, FUNGICIDES, &c.

FAIRMOUNT WEED KILLER—Will keep paths and roads free from weeds and grass. One gallon makes 50 gallons ready to use, enough for 150 square yards' surface, applied with watering can. Printed directions on each can. By express or freight—½-gal., 75c; 1-gal., \$1.25. Larger lots, special prices.

SLUG SHOT—Non-poisonous; no danger to the person using it. It does not render vegetables or fruits on which it is applied injurious, is the best insect destroyer ever offered for the destruction of potato bugs, worms and all insects that chew. Is simply dusted lightly on. Booklet, "Fighting Insects in the Garden," sent free. Prices—1-lb., 30c; 3½ lbs., \$1.00, postpaid. By express or freight, not paid—5 lbs., 35c; 10 lbs., 60c; 50 lbs., \$2.25.

HAMMOND'S GRASS DUST—For the prevention and destruction of mildew on plants. Price—½-lb. package, 35c; keg of 100 lbs., \$5.00. By mail, postpaid, 30c per lb.

HAMMOND'S COPPER SOLUTION—A Concentrated Liquid Fungicide—Prepared ready for immediate use. Can be handled safely by any ordinarily careful person. Price—Quart can, 60c.

TOBACCO STEMS—For fumigating plants infested with green fly, etc. By express or freight—Per lb., 15c; bbl., \$1.10; keg, \$3.25.

TOBACCO DUST—Very effective, being leaves, not ground stems. Used on cabbage and in vegetable hot houses. 1-lb., by mail, postpaid 30c. By express, 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$3.25.

ROSE LEAF EXTRACT OF TOBACCO—One of the most effective articles for the destruction of all insects and scale on plants; a pure extract of tobacco. Full instructions for applying. Price—Pint can, 30c; quart can, 55c; gallon, \$1.50.

PYRETHRUM, PERSIAN INSECT POWDER OR BUAHACH—Very destructive to roaches, ants, fleas and all insects on plants. Oz., 10c; ¼-lb., 20c; lb., 50c. By mail, 1-lb. can, 16c per lb. extra.

WHALE OIL SOAP—Makes an excellent wash for trees and plants when insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. Price—20c per lb.; 2 lbs., 35c. If by mail, add 16c per lb. for postage.

FIR TREE OIL SOAP—A most excellent insecticide for greenhouses and house plants. ½-lb. tin, 25c; (by mail, 35c); 5 lbs., \$1.75; 10 lbs., \$3.25.

ANT DESTROYER—Sprinkled around the haunts of ants, will destroy or drive them away. ¼-lb. can, 25c; 1-lb. can, 75c.

BORDEAUX MIXTURE, in Pulp—A superb article which is always ready to use. Works freely without clogging in any spraying machine. It is diluted with water. Directions on each can. Put up only in one gallon cans. Each \$1.00; 5 cans, \$4.50.

Dusters for Slug Shot or other Powders—½-gal. size, 30c; gal. size, 50c

POULTRY SUPPLIES.

Incubators, Brooders, Bone Cutters, Grit, Shell, Bone, Medicines, Lice Killers, Fountains, Leg Bands, etc.

We handle this class of goods in large quantities—some items in car loads—hence, our prices will be found right.

We have just issued a special descriptive and illustrated Poultry Supply Price List, which also contains complete list of Dog Medicines, Foods and Soaps. We are glad to send it to anyone interested.

We have the agency for Ohio and can ship to any desired point the famous

PRAIRIE STATE INCUBATORS AND BROODERS.

Send for FREE Special 32-page Incubator Catalogue.

COLUMBUS CORN SHELLER.

Anyone, with a little practice, can shell a bushel of corn in 5 minutes. A well made machine. Not easy to get out of order. Has Adjustable Throat, hence shells any size ear from pop corn to large field sorts.

Fastened to the side of a box; the corn goes into the box and the cob is thrown out. May be fastened to a board or end of the fence in the poultry yard. Always ready. Save your hands, your heels, your money, your patience. By Freight or Ex. \$1.00

LITTLE GIANT.

STRONGEST, LIGHTEST, EASIEST RUNNING.

Best and cheapest Crank Seeder made in the quality of work done and durability. Will not get out of order nor be affected by dampness of the weather. Distributes all kinds of Fertilizers, Land Plaster, Ashes and Seeds. We have sold it for years with good satisfaction.

No. 1 (Fiddle-Box)\$1.50

No. 2 (Crank)\$1.75

Must go by Freight or Express.

THE
LITTLE GIANT
SEEDER

No. 2

ASPINWALL POTATO PLANTER

Great
Labor
Saver

THE
BEST
PLANTER
IN THE
WORLD

We have sold this Planter for years and have never sold one but what the customer thought it one of the best investments he ever made.

With Disc Covers. This machine is intended for growers who prefer to ridge up high and plant deep.

WE ARE SELLING ASPINWALL POTATO PLANTERS LOWER THAN EVER THIS SEASON. Don't fail to Write us if in need of a Planter. We can interest you.

ASPINWALL POTATO CUTTER. Price, \$6.00.

CURVED and
CONCAVE

SEED POTATO KNIFE

Everybody is well pleased with this Knife. It is thin, and will cut 1, 2 or 3 eyes in a piece easier, better and faster than in any other way.

Postpaid, 30 cts.; 6 for \$1.50.

ALL GOODS ON THIS PAGE SENT AT PURCHASER'S EXPENSE, UNLESS QUOTED "PREPAID."

ECLIPSE
SPRAY
PUMP.

We cannot speak too highly of the merits of the Eclipse pumps. They are without doubt the most practical of any offered. The originators were and are today, extensive fruit growers and knew just what was needed. They first made them for themselves, then their neighbors wanted them, now everybody wants them. The Eclipse has imitators, which only shows their value.

Eclipse No. 4. Cylinder, New Automatic Adjusting Plunger, "Eclipse" Agitator, Patent Valves and Cage, Steel Air Chamber. Cylinder $1\frac{1}{2}$ inches in diameter, stroke 4 to 5 inches, capacity 60 to 75 gallons per hour, reduced to a fine mist; carries one double Vermorel Nozzle, or two single large or small opening. Agitator works independent of or in harmony with pump at will of operator: fitted for side of barrel. Price, Pump alone, \$7.50.

Eclipse No. 4, OUTFIT B.—Pump, complete with 6 feet of best $\frac{1}{2}$ -inch Hose, 6 feet Iron Extension Rod, Leakless Cock and Double Vermorel Nozzle of our new swivel-joint and extra caps for long distance work. Price all complete ready to go to work, \$11.50.

With Brass-Lined Bamboo Extension Rod, instead of iron, \$12.25. Brass Air Chambers, in place of iron, \$2.00 extra.

Eclipse No. 5. Chamber $2\frac{1}{2} \times 30$ inches; malleable iron Clinch Plate and Lever: Steel Air chamber; Brass Base, Cylinder, Valve and Cage, Discharge Tube and Agitator. Capacity, 125 to 150 gallons per hour, intended for 4 nozzles. Price, Pump alone, \$9.75.

Eclipse No. 5, OUTFIT B.—With 8 feet Hose, 1 Bamboo Brass-Lined Extension Rod, Leakless Cock and one Double Vermorel Nozzle, \$14.25.

Eclipse No. 5, OUTFIT C.—Same as Outfit B, with the addition of 1 Double Vermorel Nozzle and 1 Connector, making 4 nozzles on one rod, \$15.25.

Brass Air Chamber in place of steel, \$2.50 extra.

MEYERS BARREL SPRAY PUMP. A very good pump for the price. Has a patent submerged cylinder, is double acting, has patent expansion plunger bucket, large air chamber to cushion the spray, is provided with two discharge ports. Can be fastened to side or head of barrel, has steel pins, long handle, and is fitted with Brass Upper and Brass Lined Lower Cylinders with ground Brass Check Valve and Brass Seat. No rubber or leather valves. Very powerful, easy to operate: will throw an even, mist-like spray, and will throw a solid stream 60 feet from the point of the nozzle. Has an effective agitator.

MEYERS No. 302 OUTFIT consists of above Pump, 5 feet of $\frac{1}{2}$ inch 3 ply hose, Vermorel Spray Nozzle, Suction Pipe, Strainer and Jet Agitator. Price, \$7.50.

MEYERS No. 303 OUTFIT consists of above Pump, Suction Pipe, Strainer and Jet Agitator, 2 leads of $\frac{1}{2}$ inch 3 ply hose, 5 feet long, and 2 Vermorel Spray Nozzles. Price, \$8.50. Bordeaux Nozzles, instead of Vermorel, furnished at the same price, if specified.

MEYERS LITTLE GIANT BUCKET SPRAY PUMPS.

Constructed entirely of brass, which is not affected by the poisons used in spraying fruit trees, vines and shrubbery. Are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up, which has the effect of holding the pump down. The foot rest steadies the pump. They are very easy to operate, are provided with large air chamber, so that the nozzle throws a continuous spray. Will throw a solid stream 50 feet, and are very useful for washing windows and buggies, sprinkling lawns, flowers, etc.

For spraying a fine jet is discharged into the bottom of the bucket to keep the solution from settling. A very nice spray pump. Price, with 3 feet Rubber Hose, \$3.00. With 8 foot Extension Hose, \$4.00.

THE FOUNTAIN COMPRESSED AIR SPRAYER.

A three gallon sprayer which is carried in one hand, and the spray is easily started or stopped by the same hand. The tank is first filled about two-thirds full of liquid, then a sufficiency of air is pumped into it when it is ready for use. The hands are comparatively free in directing the spray to the right spot. All working parts are made of brass, others of galvanized iron, strongly riveted, has funnel shaped head for filling easily. A great saver of bug killing chemicals and is a thoroughly well made machine. Price, \$6.00.

GARFIELD KNAPSACK SPRAYER. Made entirely of brass and copper. The tank holds 4 gallons, has 4 feet best rubber hose, brass pipe 15 inches long and Combination Vermorel Nozzle attached. Price, \$10.00.

Improved Vermorel Nozzle

The greatest economy of spraying liquid may be secured by using the Improved Vermorel, any degree of fineness is easily and quickly obtained by use of thumb vet screws. Pressure applied at B removes dirt from nozzle at A. Remove brass screw at C and clean out nozzle in a few minutes. The latter feature is found only with this nozzle. Price, $\frac{1}{4}$ inch, with 2 caps A, 90c. Postage, 6c. extra.

VERMOREL NOZZLE.

vet screws. Pressure applied at B removes dirt from nozzle at A. Remove brass screw at C and clean out nozzle in a few minutes. The latter feature is found only with this nozzle. Price, $\frac{1}{4}$ inch, with 2 caps A, 90c. Postage, 6c. extra.

RUBBER
SPRINKLER. ANGLE RUBBER
SPRINKLER.

Angle Rubber Sprinkler.

This Sprinkler is designed for applying water or liquid insecticides on the under side of leaves and foliage. + price, by Mail, \$1.10. By Express, \$1.00.

Rubber Sprinkler.

Size No. 1.....90c., postpaid.
Size No. 2.....80c., postpaid.
Size No. 3.....70c., postpaid.
If to go by Express or Freight deduct 10 cents from price.

CALLA NOZZLE.

CALLA NOZZLE.

Best for white washing.

This is one of the cheap but reliable nozzles. Has two grades of spray and a solid stream governed by the slide shown in cut. One of the longest distance nozzle in use. Especially good to apply white wash in poultry houses, etc. Price, 75 cents.

BROWNIE DRY POWDER GUN.

A splendid machine for distributing insecticides in a dry form, which is much preferable to applying with water. A great time saver. One man can cover one acre in one hour. Directions accompany each machine. Price, \$3.50.

ECLIPSE ATOMIZERS.

No. 1 is the very best made. All Brass Detachable Discharge Tube. Rotary Air Motion. Will last a life. Price, \$1.00. By Mail, \$1.30.

No. 4 made of heavy Tin. Rotary Air motion. Wide Area Funnel. Stationary Brass Discharge Tube. Detail work same as the No. 1. Price, 60 cents. By Mail, 85 cents.

Park's Sprayer.

Simple and cheap for spraying shrubs, plants, with water or insecticides. The agitator inside of the glass Mason Fruit Can rattles around loosely and keeps the liquid thoroughly mixed while using. Price, \$1.00. Cannot be Mailed.

SPRAYING CROPS—By C. M. WEED. A book of 150 pages. Price, 50 cents, postpaid.

SEE OUR LIST OF INSECTICIDES FOR SPRAYING MATERIALS.

ALL GOODS ON THIS PAGE ARE SHIPPED AT PURCHASER'S EXPENSE UNLESS QUOTED PREPAID.

Steel Swinging Brackets.

Made of Steel. Artistic in design. Finished in black, and very hand-some. Spring clasp prevents pot from falling. No. 1, for 5-inch pots, has 8-inch arm. Each, 30c., or 45c. postpaid; dozen, \$3.00.

Per box of 1000, 60c. or 75c. postpaid. Lots of 5,000 and over, per box, 55c. Finchers for driving, 50c. or 65c. postpaid.

SIEBERT'S GLAZING POINTS.

1/2-inch size, 1,200 to pound, per pound, 40c., postage 16c. 3/4-inch size, 800 to pound, per pound, 40c., postage 16c.

RED FLOWER POTS.

SIZE	EACH	DOZ.	100
1 1/2 in.	6	10	50
2 in.	6	10	60
2 1/2 in.	3	15	75
3 in.	3	25	90
3 1/2 in.	4	30	125
4 in.	4	35	150
5 in.	5	45	250
6 in.	6	60	400
7 in.	8	75	550
8 in.	10	100	725
9 in.	15	135	1000
10 in.	25	225	1650
12 in.	60	500	3500

Labels. Painted Pot Labels. Best made. Put up in packages of 1,000 each.

3 1/2 inch.....	per 1,000 \$ 45	5 inch.....	per 1,000 \$ 80
3 3/4 ".....	" 53	6 ".....	" 100
4 ".....	" 60	8 ".....	" 250
4 1/2 ".....	" 67	10 ".....	" 350

EUREKA FUMIGATORS. Made of Best Galvanized Iron.
For house 10x20 feet\$1 25 For house 15x100 feet.....\$2 00
For house 12x40 feet.....1 50 For house 20x100 feet.....3 50

PLANT BED CLOTH.

A protecting Cloth of Water-Proof Fiber: an excellent substitute for glass in forwarding all kinds of plants in the early spring; safer, as it protects at night, and the plants will not burn if the sash is left on in hot weather. Being light and portable it can be sent into sections where it would be difficult to get sash. We sell thousands of yards annually, and customers are well-pleased with it. All pieces are a yard wide and contain from 40 to 60 yards each.

PRICES—Heavy grade, per yard, 12c.; postage 3c. extra; by the piece, 40 to 60 yards, per yard 10c. Medium Grade—best for general purposes, per yard, 10c., postage 3c. extra; by the piece, 40 to 60 yards, per yard, 8c. Light Grade, per yard, 5c. postage 3c. extra; by the piece, 40 to 60 yards, per yard, 4c.

HOT BED SASH. BEST CYPRESS—3 1/2 feet x 6 feet, unglazed, for 8 x 10 glass, each, 1.00; dozen, \$11.50.

PATTY BULB.

The best appliance for distributing putty. Used by a large number of leading florists, who have proven its merit. By Mail, 90c. Express, 80c.

"Out O' Sight" Mole Trap.

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. Can be used in hot bed under sash. The secret of mole catching is a good trap, and to know their habits. Full directions sent with each trap. By mail, \$1.25; by express, \$1.00.

PATTY BULB. HALE'S MOLE TRAP.

The well known standard trap. \$1.25.

THERMOMETERS.

Hot bed or Mushroom, 75c.; Greenhouse, 25c.; Incubator, 75c.

AT PRICES GIVEN, GOODS MUST GO BY FREIGHT OR EXPRESS, AT BUYER'S EXPENSE. Unless Otherwise Noted.

PRUNING SHEARS.

WISS SOLID STEEL—The best made; forged entirely of steel; blade of best utility steel, fitted to handle in a perfectly rigid manner, yet easily removed. (See cut.) Price, 9 in., \$2.00.

COMMON—Very strong. Best steel blades and an excellent spring. Two Sizes—Prices, 90c. and \$1.00.

socket and can be served to any length pole. **EAGLE PRUNING SHEARS**—The well-known 2-handle shears. Light and powerful. The best made. No. 1—\$2.50. No. 2—\$2.25.

WATER'S TREE PRUNER.

4 foot.....\$ 75 8 foot.....\$1 00
6 foot.....\$ 85 10 foot.....1 15
12 foot.....\$1 25
HEDGE SHEARS—Three sizes—\$1.50, \$1.75, and \$2.00.

PRUNING AND BUDDING KNIVES.

Budding—No. 2179, by mail, 85c. By Express, 90c.

Pruning—No. 2269, by mail, 85c.; by express, 90c.

PICKING SCISSORS—No. 138, by mail, 80c.; by express, 75c.

THISTLE OR WEED CUTTERS—For cutting thistles, docks, other weeds, etc., without breaking the surface of the lawn—50c.

BELLOWS—For dusting plants with sulphur or like material. Two sizes—Each, \$1.00 and \$1.25.

PRUNING SAW AND CHISEL Combined, \$1.

PRUNING SAW—Double Edge. 16-in., 60c.; 18-in., 70c.; 20-in., 80c.

TELEGRAPH TREE PRUNER—No handle, but has threads on inside of

CLIPPER GRAIN AND SEED CLEANER.

We have used and sold the Clipper almost constantly for 15 years and pronounce it the best, strongest and most economical mill made up to date, and yet sells at the same price of any ordinary mill. No. 1, for general use, has 8 sieves, (7 zinc), cleans grain and seeds of all kinds—\$20.00.

Prices for larger sizes and Special Purpose Clipper Mills made on application.

BUSHEL BASKETS—Standard bushel size; strong and durable. Dozen \$1.50; each 20c. Must be sent by freight.

GARDEN LINES—100 feet Braided Linen, 40c. Cotton, 25c.

TURF EDGERS—For trimming edgers of walks—75c.

GRASS HOOKS—30c.; by express only.

Hazeltine's Hand Weeder.

In general use, Blade Solid Steel, tempered, 1/2-inch wide and 1/8-inch thick, sharpened on all edges.

Postpaid, 25 cents.

HAZELTINE'S HAND WEEDER. By Express, 20 cents.

EXCELSIOR WEEDER—Very useful for weeding seed beds, stirring soil in hot beds, cold frames, etc. Postpaid, 15c.; by express, 10c.

LANG'S WEEDER. Each\$ 20
Dozen2 25

THE NEW CHRISTY GARDEN WEEDER.

This All-Steel Weeder has the famous Scalloped Cutting Edge of the Christy Bread Knife, and will be found a No. 1 tool. Price, 25 cents, postpaid. By Express, 20 cents. With Smooth Edge, same price.

GARDEN DIBBLE.

Postpaid, each, 50c. By express, 35c.; 3 for \$1.00.

GARDEN TROWELS

TROWELS, Ordinary, (postage 5c. extra), 5-in., 15c.; 6-in., 20c.; 7-in., 25c. **TROWELS**, Solid Steel, (postage, 10c. extra), 6-in., 40c.; 7-in., 45c.

Cleves' Angle Trowels.

Bright steel. No tool equals it for removing dandelions, plantain, dock, etc., from lawns. It is strong and not easily broken; does not injure the lawn and gets the weed, root and branch every time, besides being a first-class transplanting trowel. Small size, 20c., postpaid, 25c. Larger size, 30c., postpaid, 40c.

Books

Farm, Vegetables, Flowers, Fruits, Etc.

Sent Postpaid on Receipt of Price.

We can furnish any Book, Magazine or Paper on Gardening, Agriculture, Horticulture or Stock at Publishers' Prices. * * *

Keep Yourself Posted up to Date. Read the Latest Books of Practical Men and Specialists.

THE BIGGLE BOOKS.

No one, interested in the subjects treated can afford to be without Biggle's books another day. They have been written in the boldest, down, common sense, cream not skim milk method peculiar to him. Are printed with easy-to-read type, on high finished paper, have plenty of pictures, some in the natural colors, and all bound in cloth. Each, 50c., any 3 for \$1.40.

Biggle Horse Book. All about horses, 128 pages. 50
Biggle Cow Book. All about cows, 144 pages. 50
Biggle Berry Book. All about berries, 144 pages. 50
Biggle Poultry Book. All about poultry, 180 pages. 50
Biggle Swine Book. All about swine, 144 pages. 50

BASKET MAKING. A book of 32 pages illustrating 106 Working Designs, some being made from photographs. It tells in plain, simple language how to make beautiful baskets, etc., from Raffia and Reeds. Price, 25c.

CABBAGE, CAULIFLOWER AND ALLIED VEGETABLES.

By C. L. ALLEN. Explains various types and varieties of cabbage, cauliflower, broccoli, Brussels sprouts, kale, cabbages and kohlrabi. After this each class is treated separately and in detail. Also a chapter on seed raising. Due attention given to insects and fungi. Full details as to cultivation and general management. Illustrated. 5x7 inches, 112 pages. Cloth. Price, 50 cents.

CANNING AND PRESERVING. By Mrs. S. T. RORER. This book is the result of practice in teaching how to can and preserve fruits and vegetables. Gives best methods of making jellies, marmalades, cutters, syrups, catsups, pickles, and vinegars, drying fruits and herbs. 5x7 inches, 80 pages. Cloth, 50 cents.

Garden Making. The beginner is shown how easy it is to raise one's home grounds. Flowers, Fruits and Vegetables, and beautiful one's home grounds. It is thoroughly practical in every detail, and a guide to daily practice in the garden. It has no equal in horticultural literature. Profusely illustrated. Postpaid, \$1.00.

GINSENG. A complete working treatise for the grower. It discusses in a practical way how to begin with either seed or roots, soil, climate and location, preparation, plauting and maintenance of the beds, artificial propagation, manures, enemies, selection for market and for improvement, preparation for sale, and the profits that may be expected. Should be in the hands of all who expect to grow this drug to supply the export trade. Cloth, 50 cents.

HOME CANDY MAKING. Mrs. RORER. Full of choice receipts, with instructions for making wholesome caramels, sugar drops, candies and confections. 5x7 inches, 74 pages. Cloth, 50 cents.

HOME PORK RAISING. The art of raising and curing pork on the farm. By A. W. FULTON. A complete guide for the farmer, the country merchant and the suburban dweller, in all that pertains to hogs slaughtering, curing, preserving and pork products—from scalding water to kitchen table and dining room. Fully illustrated and handsomely bound. Price, 50 cts.

LEFT-OVERS MADE PALATABLE. A fine book of 300 pages, 5x7 inches and bound in cloth, tells how to cook odds and ends of food into appetizing dishes, and saves money, time and labor in the preparation and use of food. It will be a pleasant surprise and a great help to every housekeeper fortunate enough to own a copy. Price, \$1.00, postpaid.

LIVINGSTON'S CELERY BOOK. 100 Pages. Illustrated.

Written expressly for us by Mr. E. J. HOLLISTER, who has been the most extensive practical Celery Grower and Shipper in the United States for the past 20 years. He has grown extensive crops in Canada, Michigan, Ohio and Florida. IT IS A COMPLETE GUIDE FOR THE CELERY GROWER. Paper Cover, 40 cents. Cloth Bound, 60 cents.

PETS OF THE HOUSEHOLD. A book of 160 pages on the care of the ordinary pets, principally devoted to birds, especially Canaries. Gives all the necessary details of their care in health or when sick. 25 cents.

PRACTICAL GARDEN BOOK. By Profs. BAILEY AND HUNN. Gives the simplest directions for growing commonest things. Tells how to plant, prune, train and care for flowers, fruits, vegetables, hushes and trees. It is alphabetically arranged like a miniature cyclopaedia. 250 pages, with many marginal cuts. Price, \$1.00.

STRAWBERRY CULTURIST. By ANDREW FULLER. Containing all information necessary to enable everybody to raise strawberries. Fully illustrated. Cloth, 12mo. Price, 25 cents.

SUCCESS WITH HOUSE PLANTS. This book is written by a woman for women and should be in every home. Contains all directions for care of plants. By LIZZIE P. HILLHOUSE. Cloth, \$1.00. Paper, 50 cents.

FARM AND GARDEN.

Allen's New American Farm Book.	\$2 00
Apple Culture, Field Notes on.	75
Apple Trees, How to Grow for Market or Home Use.	50
Book-Keeping for Farmers.	50
Brill's Farm Gardening and Seed Growing. New Edition.	1 00
Broom Corn and Brooms. Illustrated. Cloth.	50
Corn, How to Grow.	20
CELERY Book, Little Book.	40
Farm Appliances. 250 cuts, 192 pages, 5x7 inches. Cloth.	50
Farming with Green Manures. 5x7 inches, 260 pages. Cloth.	1 00
Farm Drainage, French. 5x7 inches, 384 pages. Cloth.	1 50
Fences, Gates and Bridges. 300 cuts, 188 pages. 5x7 in. Cloth.	50
Flax Culture. By Experience Growers. Paper.	30
Forcing Book. Bailey. Vegetables Under Glass. 266 pages. Cloth.	1 00
Gardening for Old and Young. HARRIS. 5x7 inches, 191 pages.	1 50
Gardening Pleasure. HENDERSON.	1 50
Gardening for Profit. HENDERSON.	1 50
Grain Tables, Fisher's. 3x5 inches, 190 pages. Valuable.	25
Grasses of North America. 475 pages, 175 illustrations. BEAL.	2 50
How to Grow Mushrooms. Prize articles. Very Practical.	10
Irrigation Farming. VILCOX. A New System. Cloth.	2 00
Landscape Gardening Applied to Home Decoration. MAYNARD. 388 pp.	1 50
Manolds and Carrots. Treatise on. By J. J. H. GREGORY.	1 50
Money in the Garden. By P. I. QUINTIN. A Practical Work.	1 50
Mushroom Culture. Thompson. Cloth. \$1.00.	1 50
Mushrooms, How to Grow. FALCONER.	1 00
Onions. Treatise on. GREGORY.	30
Onion Book. By 17 Successful Growers. Great Value.	20
Potatoes. Their Cultivation and Uses. Paper.	10
Potatoes. A B C of. By T. B. TERRY.	10
Practical Farm Chemistry. By T. Greuter. Cloth, \$1.00.	50
Prize Gardening. Great value. 350 pages, 5x7 inches.	1 00
Pruning Book. By PROF. BAILEY. (1897).	1 50
Rhubarb Culture. Thompson. Cloth. \$1.00.	1 50
Rhubarb Culture. New. How to Grow in Hot Bed or Field. 130 pages. Cloth.	50
Squashes. By GREGORY.	30
Sweet Potato Culture. By JAMES PUTZ.	50
SWEET POTATOES, 40 Year's Experience. WALDO B. BROWN.	20
Silos, Ensilage and Silage.	50
Steward's Irrigation.	1 50
Sweet Potato Culture. By G. C. CURTIS.	1 50
Truck Farming in the South. By MYNICK. Cloth.	1 25
Vegetable Gardening. A New Book. By PROF. A. B. GREEN.	1 00
Vegetable Gardening in the South. ROLF's. Cloth, \$1.25.	1 00

FRUITS, FLOWERS, BULBS, ETC.

Art of Propagation. Treats of Trees and Plants.	30
Barry's Fruit Garden.	2 00
Biggle's Berry Book. Up-to-date.	50
Bulbs and Tuberous Rooted Plants. By L. ALLEN. Cloth.	1 50
Best Methods of Growing Greenhouses. Thirteen Days.	25
Carnation Culture. By LAMBORN.	1 50
Chrysanthemum Culture. Cloth, \$1.00.	60
Commercial Violet Culture. 224 pages, 4½x7 inches. Cloth.	1 50
CULT FLOWERS How to Grow.	2 00
Dahlia. THE PEACOCK.	30
Flowers, and How to Grow Them. REXFORD. Cloth, 50c.	35
Fruits and Fruit Trees of America. By DOWNING.	5 00
Fruit's Small Fruit Culturist.	1 50
Fuller's Grape Culturist.	1 50
Greenhouse Construction. TAFT.	1 50
Greenhouse Management. TAFT.	1 50
Hand Book of Plants. HENDERSON.	3 00
Home Horticulture. By E. HENDERSON. New and Valuable.	1 00
Nursery Book. By BAILEY.	1 00
Plant Culture. By G. W. OLIVER. 193 pages, 5x7. Cloth.	1 00
Practical Floriculture, Henderson's.	1 50
Practical Fruit Growing. By L. ALLEN. 508 pages. Cloth.	1 50
ROSE, THE. By ELLWANGER.	1 25
Strawberry Culturist. By FULLER.	25
Window Flower Garden, Heinrich's. Cloth.	65

FERTILIZERS AND MANURES.

Fertilizers. A New Edition. Paper.	40
Manures, Methods of Making. By BOOMER. Paper.	25
Manures, Talks on. By JOSEPH HARRIS. Cloth.	1 75

POULTRY AND LIVE STOCK.

Capons for Profit. GREINER.	50
Cow Book, Biggle's. All about Cows.	50
Dogs, Diseases of. H. DALLIZ. Illustrated. Paper.	1 50
Duck Culture.	25
Horse Book, Biggle's.	50
PETS OF THE HOUSEHOLD. By T. M. EARL. 160 pages.	25
Poultry Book, Biggle's.	50
Poultry Pleasure and Profit. By JOHNSON.	25
Poultry Appliances. How to Make Everything Used. 125 pages, 5x7 inches. Cloth.	50
Poultry Architecture. How to Build all Structures Needed. 125 pages, 5x7 inches. Cloth.	50
Swine Book, Biggle. All about Pigs.	50

MISCELLANEOUS.

Horticulturist's Rule Book. BAILEY. Cloth.	75
Insects and Insecticides. By C. M. WEED.	1 25
Spraying Plants. By LOEMAN.	1 00
Spraying Crops. By PROF. C. M. WEED.	50

PLANET JR. TOOLS FOR 1904.

Space will not permit showing and describing here all of the PLANET JR. TOOLS, but we will send a beautifully illustrated catalogue FREE to any who desire it. PLANET JR. goods are different from all others—the best on the market.

PLANET JR. No. 3 SEEDER. Price, \$10.00

Planting in rows and thinning afterward is a terrible time-waste. The No. 3 Seeder puts the seed right on the spot where the hill is wanted. Plants 4, 6, 8, 12 or 24 inches apart, or in a continuous row, as desired. Changed in a moment. Holds 3 quarts.

"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow.

Price, complete, \$10.00.
As a Drill Only, \$8.00.

The Drill is the same style as No. 3 Seeder, but smaller. By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool.

Planet Jr. No. 25 Hill and Drill Seeder and Double Wheel Hoe. Price \$13.00.

This new combined machine as a Drill is almost identical with the "Planet Jr." No. 4 Drill; will sow in drills or hills, 4, 6, 8, 12 or 24 inches apart. As a Wheel Hoe it is identical with the "Planet Jr." No. 12 Double Wheel Hoe, the very best machine on the market. The change from Drill to Wheel Hoe takes but a moment.

Planet Jr. No. 8 Horse Hoe. Price \$8.00.

Will do more kinds of work than any other horse hoe. New Depth Regulator and Expander. Hollow Steel Standards. Strong and Light. No gardener can afford to be without a Planet Jr. Horse Hoe.

PLANET JR. No. 11 Double Wheel Hoe.

This Wheel Hoe is a famous labor saver. It will do a variety of work that is almost incredible, and it is changed and adjusted with marvelous ease and quickness. The wheel can be set to four different widths and the frame at three heights. The tools are changed without removing a single nut.

No. 11 DOUBLE WHEEL HOE. with 8 pairs of tools as shown in cut, \$8.50.

No. 12 DOUBLE WHEEL HOE, with Plows, Hoes, wide and narrow Cultivator Teeth and Leaf Lifters. \$6.50.

No. 13, DOUBLE WHEEL HOE, with Hoes only, 4.25.

No. 16 Single Wheel Hoe.

A light, inexpensive and extremely efficient tool. Frames and handles are adjustable, and wheel can be changed to the other side of the frame, when both sides of the row can be hoed at one passage.

Price, with all the attachments shown below, \$5.35

No. 17 Single Wheel Hoe. Same as No. 16 minus leaf lifters and rakes, price 4.50

"FIRE FLY" PLOW.

Invaluable for use in small gardens. Moldboard of tempered and polished steel. The depth is easily and quickly changed. Very useful to plow up in chicken yard.

Price, \$2.00.

Planet Jr. Harrow and Cultivator

Price—Plain, \$5.30
With Wheel, 6.40
Complete, 8.00

This Harrow has a high frame contracting to 12 inches and expanding to 32 inches in width. Hand levers regulate both width and depth while in motion. The chisel-shaped teeth cut an inch wide and cultivate deep without throwing earth on the plants. Has Foot Lever Pulverizer. A capital Strawberry Cultivator, turning the runners without injury. Strawberry Runner Cutter Attachment, extra, \$1.75

No. 1 CART.
as used by Gardeners, Truckers, Grocers and business men; platform hangs low; rides level. Price, \$7.00.

packages, etc. There is not a day around the farm, dairy, creamery, yard, garden or business house that it will not be in demand. It is light in weight, has great strength and excels all other carts; it is the cart of the future. Just the cart for boys who peddle vegetables to their town customers. It's a beauty and helps so much in selling the goods, it soon pays for itself. **DESCRIPTION**—Wheels—Steel, 36 inches high, with 4 adjustable boxings and will sustain a load of 500 lbs. Tires—Regular 1½ in.; 3-inch and Rubber Tires at extra cost. Platform—Wood, 25 x 32 in. Width, between wheels, 30 inches. Axles and all frame parts, steel. Side Boards—Wood, 15 in. high; can be removed in an instant.

J. M. Bassett, Atlantic Co., N. J. writes: "The hand cart is in every way satisfactory. I have always had a dislike for a wheelbarrow and have now done away with it in the Butler Hand Cart. The wheelbarrow you have to lift the load as well as roll it; with the cart all you have to do is to push it."

BUTLER STEEL HAND CART.

For Market Gardeners and Fruit Growers. For Farmers and All Business Men.

Suitable for all purposes: as a warehouse truck, a barrel cart, a box cart for handling leaves, cut grass, trash, dirt, ashes, small grain etc. Merchants, printers, confectioners, bakers and hotels find it a great convenience for handling or delivering barrels, kegs, boxes, packages, etc.

No. 2 CART.

The side and end boards can be quickly detached. As easily loaded as a wheelbarrow. Price, \$8.00.

CART PRICES WITH 1½-INCH TIRES.

- No. 1 Cart**, No Side Boards (see cut), \$7.00
No. 2 Cart, Has Side and End Boards (see cut), \$8.00
No. 3 Cart, Same as No. 2; also has extension hoppers and sides for handling leaves or light material, 9.25
For 3-inch Tires add \$1.25 to price of any one of the Carts.

DESCRIPTION OF VARIETIES ON OUTSIDE OF COVER.

Livingston's Large Bon-Ton Lettuce.

We were unable to offer this variety the past season, owing to entire failure of our seed crop of it. It is a variety which is very difficult to get to seed. It has a beautiful light-green outer edge, changing to a rich cream shade at the heart. Is just enough wrinkled to make it beautiful, yet not enough so as to render it difficult to prepare for the table. Especially adapted to local market and family gardens; for shipping not so good, on account of its exceeding crispness. It is very attractive and of large size. Pkt., 10c.; ½-oz., 25c.; oz., 40c.; 4 ozs., \$1.25.

The Prolific Early Market Pea.

The largest podded and most prolific of all extra early varieties. A fit companion and close second to Livingston's First in Market. A grand new extra early Pea. It has an exceptional long pod; comes within a few days of the very earliest varieties; remarkably productive, many of the plants producing from forty to fifty well developed Peas from a single seed sown. It will yield from thirty to fifty per cent more than any of the extra early sorts. A valuable pea for home or market garden, also for the canner and shipper. Our customers should plant liberally of this variety. Large Pkt., 10c.; ½-pt., 15c.; qt., 50c.; pk., \$1.65; bu., \$6.00.

Eureka First Early Cabbage.

This variety is said to be the earliest flat headed sort ever originated. It comes equally as early as the Early Jersey Wakefield, and has the advantage over that variety in the better shape of its head. It is a strong, healthy grower, and almost free from any disease; an exceptionally reliable header and produces an enormous crop; the heads very heavy and hard. It can be planted as closely in the row as the Early Jersey Wakefield. This variety comes from one of the most reliable sources in the country, and we heartily recommend a liberal trial of it. Pkt., 10c.; ½-oz., 25c.; oz., 40c.; 1-lb., \$1.25.

What Others say of **BONTON**.

Mr. Henry Field, Iowa: "I do not know of any Lettuce that will make as large a head in so short a time."

Mr. William Brennecke, N. Y.: "I found the Bon Ton Lettuce the largest and most tender of any I have ever seen. I had 30 plants which averaged 16 inches in diameter. 2 of which were 18 inches on the 10th of June."

S. S. Seely, Mass.: "The Bon Ton is a fine variety, beautiful in color and keeps for a long time."

RAFFIA WEAVING AND BASKET MAKING.

Interesting, Pleasant, Profitable, Easily Learned. No end to the Useful and beautiful things which are made from Raffia. For many years Raffia has been known and used, on account of its toughness, as a valuable material for bunching vegetables, tying up plants, etc. It is now also used in large quantities for making Hats, Baskets, Mats, Pillows, etc., in endless variety. Raffia Weaving is easily learned and is a very interesting pastime during winter or summer, and especially so for ladies and children. It may be made a source of quite a little income as well. Many a long winter evening may be pleasantly spent at it. It requires no special tools. We supply books of instruction at small cost—see those offered on this page. Any one may become expert in Raffia Weaving in a short time by following the instructions in the book.

Raffia Prices Plain, Uncolored—Per bunch (about 2 oz.), 10c.; 4 lb., 15c.; 1 lb., 40c., postpaid. By Express, charges not paid.—1 lb., 25c.; 10 lb., \$2.00. Colored—Red, Orange, Navy Blue, Olive Green, Dark Green, Pink, Brown, Black, Yellow, etc., per bunch (about 1½ oz.), 10c.; 1½ lb., 25c.; 1 lb., 75c., postpaid.

Rattan Reeds

These are used with Raffia or alone, in basket making. Sizes Nos. 1 to 6, per doz. \$1.00. Samples showing sizes, free. Ask for price of Reeds by the pound.

RAFFIA NEEDLES—Price, doz., 10c., 3 doz., 25c.

SPECIAL OFFER

To give all a chance to try this most fascinating of all fancy work we have made up the following outfit all ready to go to work, for \$1.00 postpaid: 1 Bunch Natural Raffia, 1 Bunch Colored Raffia (your choice of color), 1 Col. Reel, 1 Envelope of Needles, 1 Book on Basket Making, 1 Indian Basket, start-d.

Basket Making

A book of 32 pages illustrating 106 Working Designs, some being made from photographs. It tells in plain, simple language how to make beautiful baskets, etc., from Raffia and Reeds. Price, 25c., postpaid.

How to Make Baskets

This book goes into all necessary detail of Basket Making and has numerous illustrations. Price, \$1.00, postpaid.

Extra Order Sheets and Return
Envelopes sent on application.

PLEASE BE CAREFUL TO TEAR OUT THIS ORDER BLANK ON THE PERFORATED LINE.

Write Your Address Plainly and in Full in the blanks below; also keep your order separate from other matters you may wish to write about. The envelopes sent on application enable us to fill orders rapidly and correctly, and your inquiries will not be so apt to be overlooked. FOR FULL INSTRUCTIONS AND ABOUT ORDERING, ETC., SEE DIRECTIONS IN THE ANNUAL.

ORDER SHEET.

The Livingston Seed Co.

Formerly A. W. LIVINGSTON'S SONS, COLUMBUS, OHIO, U. S. A.

Gentlemen:—In accordance with terms of your Annual for the present year, please forward to,

Name _____

Post-Office _____

County _____ Rural Delivery No. _____

P. O. Box _____ State _____

Give Name of your nearest Express Office; also state if it would be convenient to receive the Seed, etc., by Express.

Express Office Name _____ Name of Express Company _____

Railroad Name _____ Date of this Order _____ 1904

QUALITY IS REMEMBERED LONG AFTER
PRICE IS FORGOTTEN.

Do you wish our Fall Catalogue of Bulbs, Plants, Seeds, etc.? _____ Do you Grow for Market or Home Use, or Both? _____

OUR PRICES INCLUDE POSTAGE on Vegetable and Flower Seeds, Bulbs, Plants and Books, except as noted.

Purchase new freight or Express charges on Roots, Bulbs and Barrels, and on Farm Seed, Tools, Implements, Fertilizers, Insecticides, etc.

Also charges for potatoes, flaxseed or other perishable goods are carefully looked and filled in relation as soon as weather will permit. If shipped earlier they are at buyer's risk.

Bushels Quarts Pints Pounds Ounces Packets Plants

Names of Seeds, Plants, etc., wanted

PRICE
Dollars Cents

TWO GRAND NEW SEEDLING POTATOES Introduced by us in 1903.

Last year we had the pleasure of introducing the two **New Potatoes** shown on this page, and now, after a season of wide distribution, with not a single word of complaint from anyone, we are more fully convinced than ever that we have two entirely distinct varieties, and that they will soon be found listed alongside of the best standard sorts in all up-to-date catalogues. The originator of these fine new varieties is a specialist in potato-growing. Beginning with planting the seed, after years of careful selection, he was able to produce these two distinct varieties, having discarded hundreds of others as being worthless. The descriptions given are largely those of the originator. We believe that those who secure a stock of these potatoes at once will be able to sell seed in their locality for seed purposes at quite an advance above the market prices. All our customers can plant liberally of the new **DAYBREAK** and **JOHN BULL** this season as we are in position to make low prices for second year of introduction.

Price OF EACH VARIETY. By Mail, postpaid—1 Select Potato, 15c.; 3 dozen eyes, 25c.; 1 lb., 30c., 3 lbs., 60c. By Express or Freight (buyer paying charges)—10 lbs., 50c.; 25 lbs., \$1.00; bus., \$1.75; 2 bus., \$3.25; bbl. (165 lbs.), \$4.25; 2 bbls., \$8.00; 5 bbls., \$19.00. Special Prices on Larger Quantities.

Livingston's New Daybreak Potato

Daybreak, our New Extra Early Seedling Potato.

A PROMINENT GROWER WRITES ABOUT THE JOHN BULL POTATO.

"The John Bull potato that you sent us grew as fine as any we ever saw, run large and of good quality. When we dug them, all our diggers were very much interested in them, as they were very fine and large. The boys picked out one bushel to send you. It is a splendid grower, very productive, and a good potato. Somewhat earlier than Seneca Beauty or Banner."

The **New Daybreak** is an extra early variety, which ripens in about seventy-two days from planting, and makes an enormous yield for an early variety. The foliage is very heavy, grows vigorously, and, on that account, are not easily damaged by bugs. The plants have sometimes shown above the ground on the fifth day from planting. The tubers are light pink, and have beautiful pink eyes, making a very fine looking variety. Shape is oblong, quite similar to the Seneca Beauty. The quality is exceptionally good, very much above the average. They are very fine grained, white as flour, and of splendid flavor. *Prices see above.*

OUR MICHIGAN POTATO GROWER, OF 23 YEARS STANDING, SAYS OF THE DAYBREAK.

"We think your new Extra Early Daybreak Potato is the finest early potato we have grown for a long time. They are nice and clean, and we pronounce them a very handsome potato. They were planted the same day alongside your Extra Early Ohio, and we watched them very carefully as to time of setting and ripening. We could not see much difference, excepting that the Early Ohio blighted quicker. The Daybreak had potatoes fit to use fully as early as the Ohio, and much smoother. Think they will please everyone. They are right for first earlies, and will yield well when planted on good ground."

Livingston's New John Bull Potato

The **John Bull** is a medium late variety, coming somewhat earlier than Livingston's Banner. It is an **enormous yielder** of large sized tubers, some of them running as high as 2½ pounds each, and with very few small ones. The foliage is exceptionally heavy, and it is a splendid grower. The quality is very similar to that of the Seneca Beauty. The shape is oblong, with smooth eyes, which are even with the surface. Color of skin a beautiful deep rose, and having pink eyes.

For prices see top of page.

WHAT OTHERS THINK SHOULD BE CONVINCING.

HENRY S. COX, Oakland Co., Mich., writes: "In making up a small order for seeds last spring, I ordered one John Bull potato. When planted it weighed four ounces. I cut it very close, making nine sets, three of them being no larger than the end of my finger. I planted them in not very good ground, and they did not have the care I generally give to potatoes. They were dug the middle of August and the product was twenty-three and one-half pounds, all good, marketable and fine looking potatoes."

John Bull, our New Medium Late Seedling Potato.

We make a Specialty of and are Headquarters for pure **EXTRA EARLY OHIO POTATOES**, Northern Grown, also a few other fine sorts, see pages 59 and 60.

Our **NEW RUSTY COAT POTATO** is offered on page 5, also the old-time **PEACH BLOW POTATO**.

PROLIFIC
EARLY MARKET
PEA

LIVINGSTON'S BONTON LETTUCE

Livingston's

Seed
Annual

1904

PACKETS
OF ABOVE
THREE
CHOICE NEW
VEGETABLES

10 CTS. EACH
3 FOR 25 CTS.

EUREKA FIRST EARLY CABBAGE