Historic, archived document

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

LIVINGSTON'S SEED

ANNUAL

1900

"TRUE
BLUE"
SEEDS.

OUR NEW
TOMATO
FOR 1900

LIVINGSTON'S
MAGNUS.

THE LIVINGSTON SEED COMPANY,
COLUMBUS, OHIO, U.S.A.

STECHER LITHO CO. ROCHESTER, N.Y.

LIVINGSTON'S
EXQUISITE PARSLEY.

IMPROVED
YELLOW GLOBE
ONION.

NEW
PERFECTION
PEAS.

ONE PACKET OF EACH OF
ABOVE ONLY 20¢ POSTPAID.

FOR DESCRIPTIONS AND PRICES SEE OPPOSITE
PAGE.

THE NEW EXQUISITE PARSLEY.

This new strain of Parsley is the finest that has ever come under our notice. It is dwarf in growth, beautifully and closely curled; its attractive, dark-green color is all that could be desired. All should try this valuable variety.

Packet, 5c., ounce, 20c.; $\frac{1}{4}$ pound, 60c.; pound, \$2.00.

THE IDEAL ONION.

Positively the Best Market Variety
of all Globes.

PERFECT IN SHAPE AND COLOR.

BEST IN QUALITY.

BEST PRODUCERS.

BEST KEEPERS.

The illustration of Yellow Globe Onion is a reproduction from a photograph, but much reduced in size . . . . .

Underwood Strain.

Improved Large Yellow Globe Onion.

Very seldom do we have as good a thing to offer as this fine strain of Onion, and to have the honor of being the first seedsmen to offer it to the public is a source of great satisfaction to us. We have known and watched the development of this onion for several years and have no hesitancy in claiming that it will fairly leap into general favor with all classes of onion growers. Mr. Underwood has grown onions for 20 years, having spent the past dozen years bringing this variety to its present high state of perfection. No onion grower can afford to lose this opportunity of improving his onion crop, although he may have already laid in his planting stock for the season. The seed we offer we grew from selected bulbs, and is unsurpassed for purity; it is water cleaned and shows a very high percent of germination. Our price is very reasonable when the care with which it is grown, excellence of this variety, and high quality of the seed is considered.

DESCRIPTION.—It matures early and cures down with very small "necks," and has never produced scallions or "stiff-necks." The skin is quite thick, bright, dark and smooth. The flesh is very fine grained, firm and solid, insuring extra heavy weight. It is sweet and juicy, grows uniform in size and shape, large—but not over-grown—just the size sought after by marketmen.

When grown in comparison with other good strains it has out-yielded them from one-fourth to one-third of a crop, and the only strain that approaches it in this particular is our old stand-by, the Ohio Globe, which it very much resembles.

Price of Strictly TRUE SEED of our own growth, from hand-picked bulbs—Pkt., 10c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{4}$ lb., 60c.; $\frac{1}{2}$ lb., \$1.00; lb., \$1.75—postpaid. By Express—5 lbs., \$8.00; 10 lbs., \$15.00.

Special prices for large quantities on application.

"Have grown onions 15 years; used seed from different sources; now use your seed, although up in price it pays, as I get one-fourth more onions than before and get higher prices."—M. L. B.

"I have raised 300 bushels of onions on one-fourth acre of land; finer onions I never saw, and double the quantity I ever grew on the same ground with other seed."—A. L. M.

"Find your seed A No. 1; grows better crops for me than any other; prefer at \$5.00 a pound to other seeds if given to me."—A. J. D.

"I have used your seed for three years with entire satisfaction; bought several cars of onions this fall ('98) and find those grown from your seed superior to any other."—G. A. M.

"Have grown onions 15 years or more; used seed that gave me good results, but yours have given for four years past best crops I ever harvested."—L. L.

"From one pound I got 225 bushels very fine bulbs, all nice enough to set for seed."—E. M.

"I have raised onions for nearly 15 years; past four years have used your seed, getting one-third more from the very first year; fine in shape and quality."—A. T.

"Used your seed two years and grew 600 bushels each year; last season used other seed and got but 400 bushels from same ground. Have known your onion to remain solid for one year. They are the best shaped and give everybody satisfaction."—C. C.

A Grand New Pea, Nott's Perfection.

Richard Nott, the originator, writes us: "I have been carefully developing this pea since my EXCELSIOR was sent out several years ago, and I can confidently recommend it as superior to the EXCELSIOR, good as that variety is now universally admitted to be. It combines the best qualities of its parent stocks (PREMIUM GEM and EXCELSIOR) with many distinct merits of its own. It is quite as early as the EXCELSIOR, harder, more productive and of finer quality. Grows from 14 to 16 inches high, and pods liberally, each pod containing from 6 to 8 fine large peas, remarkably sweet and rich in flavor. This is my latest and best WRINKLED PEA."

We offer originator's stock only. Gardeners will do well to plant it liberally.

By mail, postpaid—Pkt., 10c.; pint, 30c.; qt., 50c. By Express, not prepaid—4 qts., \$1.00; pk., \$2.00; bus., \$7.00.

FIFTY YEARS AGO

MR. A. W. LIVINGSTON, the founder of our establishment, adopted the "Golden Rule" policy, viz: supplying such seeds only, in kind and quality, as he would be willing to plant himself. And our ever-growing business, through the intervening years, affords us no reason to change the policy originally accepted. Some years ago we chose "True Blue" as a suitable trade mark and seal and as indicative of seeds of high grade.

DON'T BE MISLED BY LOW PRICES. Sometimes they are too low, for REALLY GOOD, done. QUALITY IS REMEMBERED LONG AFTER THE PRICE IS FORGOTTEN. We have good and substantial evidence that our efforts to please customers have been appreciated, even if it did cost all concerned a little additional outlay to accomplish the desired results.

We extend our 1900 Seed Annual free to all interested in either the vegetable or flower kingdom with greetings for the oncoming season, assured that whether your name is already a familiar one on our list of patrons or not you will be pleased and profited in the use of "TRUE BLUE SEEDS."

Formerly A. W. LIVINGSTON'S SONS. (Changed in Name only.)

P. S.—IF WE PLEASE YOU, TELL OTHERS. IF WE DON'T, TELL US.

THE LIVINGSTON SEED COMPANY.

IMPORTANT SUGGESTIONS.

By Observing the following Rules and Directions Mistakes and Misunderstandings will be Avoided.

Columbus is a city of over 140,000 inhabitants, is centrally located geographically, has 17 Railroads, 5 different 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 goods at the lowest possible price.

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 at our risk by 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, unless otherwise noted. We have 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, leaving to the *seed customer* 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 seeds at hand and for planting when you want them; besides if you want seeds 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. When goods are to be shipped by freight or express, give plain shipping directions; otherwise we use our best judgment in the matter.

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 send for it. We take as much pains to fill small orders promptly as we do large ones.

Novelty List ..... 1 to 16
Vegetable Seeds ..... 17 to 35
Vegetable Plants and Roots 36
Farm Grass and Lawn Seeds 35 and 39
Field Corn and Potatoes ..... 60 to 63

INDEX.

	PAGE
Asparagus.....	17
Artichoke.....	17
Balsam.....	65, 66
Beans.....	18, 19, 20
Beets.....	21, 22
Barley.....	57
Cabbag Corn.....	57
Broccoli.....	22
Brussels Sprouts.....	22
Buckwheat.....	57
Bulbs.....	88 to 96
Books.....	103
Caladiums.....	89
Carrots.....	30
Cabbage.....	24, 25
Canflower.....	26
Celery.....	28, 29
Celery.....	29

	PAGE
Clovers.....	58
Corn Salad.....	22
Chicory.....	23
Corn-Field.....	92, 93
Corn-Sweet.....	30, 31
Collards.....	22
Cress.....	22
Cucumbers.....	26, 27
Cultivators.....	103
Cannas.....	90
Drills.....	10, 103
Delish.....	92, 93
Dandelion.....	32
Discounts.....	17, 64
Endive.....	32
Egg Plant.....	27
Field Peas.....	32
Florists' Supplies.....	99
Gherkin.....	33

Flower Seeds ..... 64 to 82
Plants, Bulbs, Vines, etc. .... 88 to 96
Small Fruits 97
Fertilizers and Insecticides. 96
Tools and Implements ..... 100 to 103

	PAGE
Muskmelons.....	36, 37
Oats.....	56
Onions.....	40, 41, 42
Onions.....	43, 44
Pansy.....	76, 77
Parsnips.....	44
Peasants.....	57
Peas.....	43, 44
Parsley.....	44
Peppers.....	43
Phlox.....	79
Pop Corn.....	48, 49
Potatoes.....	61, 62, 63
Pumpkins.....	44
Plant Bed Cloth.....	100
Turnips.....	48, 49
Rhubarb.....	47
Ruta Baga.....	55
Rye.....	57

	PAGE
Roses and Plant Col- lections.....	84-87
Tools.....	100-103
Sorghum.....	56
Squash.....	50, 51
Sweet Potatoes.....	63
Spinach.....	51
Spraying Outfits.....	99
Salsify.....	51
Sweet Peas.....	78, 79
Sunflower.....	57
Tomatoes.....	52-55
Trees Seeds.....	57
Turnip.....	55
Tuberoses.....	99
Twine.....	100
Watermelons.....	38, 39
Water Lilies.....	94

Our New Tomato for 1900.

See Front Cover
Page.

Livingston's Magnus

This very distinct and most promising new variety, of the color of Beauty and Acme, is our latest addition to the Tomato family.

It is 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 perfectly adapted to main crop planting, yet it matures so quickly that it will take 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 clusters closer together than most varieties, and is therefore a heavy cropper. The fruits are usually very deep from stem to blossom end, many 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 UNEQUALED FOR SUCH PURPOSES. We offer it in the expectation that it will add to our reputation as introducers of New Tomatoes.

Price, sold in packets only, each, 20c.; 3 pkts. for 50c.; 7 pkts. for \$1.00.

Columbus Market Sweet Corn. *Medium Early* .....

..... (Introduced by us in 1896.)

Over all the varieties of Sweet Corn now offered, the New Columbus Market possesses the one great advantage of very large size for an early sort. It comes into market with the second earlies, such as Shaker's Early, but fully twice as large. The tips of the ears are often entirely covered over with kernels. The ears carry an average of 16 rows of fine, large, deep, white, sweet grains, which are second to none in tenderness and flavor. It is a very prolific sort, and so persistently evergreen as to render it very difficult to cure for seed purposes. Stalk strong and of medium height. Customers are surprised at its large size and early maturity. Postpaid—Pkt., 10c.; ½ pt., 15c.; pt., 25c.; qt., 40c.; 2 qts., 75c. By Express—Qt., 25c.; 4 qts., 60c.; peck, 90c.; bus., \$3.25.

Livingston Seed Co's

Novelties and Specialties in... Vegetable and Flower Seeds

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., that our customers may send us for trial.

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.

Jones' Stringless Wax Bean

A New White-Seeded Variety with Round, Stringless Pods of Unsurpassed Beauty and Quality.

This splendid new Bean is the result of crossing of white-seeded sort with the famous Stringless Yosemite. This cross brought out two very valuable qualities. One is, that the new variety is entirely without strings, and the other is its beautiful white dry beans. It is very hardy, wonderfully productive, and not liable to rust. The pods are uniformly handsome, round, fleshy, well filled and well shaped.

No Wax sort has a prettier pod and none excels it in quality. The dry white beans grade as No. 1 Mediums, but have one especial advantage, viz: They are at least two weeks earlier than any strain of Medium, Navy or Marrowfat. If, for any reason, the crop cannot be sold as green snap beans, the gardener who plants this variety has two more chances. He can sell it as green shelled beans, or let it mature, and sell as dry beans. Postpaid, pkt., 10c.; pt., 40c.; qt., 65c. By Express, qt., 50c.; 4 qts., \$1.80; pk., \$3.50; bus., \$12.50.

.....NEW.....

Golden Bronze Squash

This new Squash ought to be a good one, coming, as it does, from the introducer of the now deservedly world-wide famous Hubbard. It is a cross of the Bay State and Boston Marrow. In form the same, also has that peculiar wrinkled appearance of the skin of the Boston Marrow. Size averaging 8 to 10 pounds; color a dark grayish green; flesh exceedingly bright golden yellow, fine grained, very sweet, and of delicious flavor. Early in maturing, good keeper, of very uniform size and appearance. For table use and pies this Squash has no superior. Specimens grown in 1897 were kept until June, 1898. Pkt., 10c.; oz., 20c.; 2 ozs., 35c.; ¼ lb., 60c.; lb., \$2.00, postpaid.

EXTRAS.

As has been our custom for many years, we have again put up many thousands of packets of NEW AND RARE FLOWER AND VEGETABLE SEEDS to SEND OUT for trial, WITH ORDERS from customers, FREE OF CHARGE.

LIVINGSTON'S
NEW TOMATO,

Honor
Bright.

Differs from Every Other Type of Tomato.

A New Bright Red Variety.

Introduced by us in 1897.

First appeared in the form of a single "sport" plant in a field of our Livingston's Stone Tomato in 1894. 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. These changes of color provide an easily learned guide to the proper time of picking for long-distance shipping. The color of the fruit, when fully ripe, is a rich bright red, but before reaching this stage it undergoes several interesting changes. First it is light green, then an attractive waxy white, then lemon, changing to a rich red. One of the most attractive and handsome varieties grown, and well adapted for home use or market, and, on account of its solidity and long-keeping qualities, it is especially recommended for shipping. It can be shipped in barrels, like apples, if picked in the early stages of ripening, and will keep from one to four weeks if stored in a cool place. The clusters bear three to five large perfect fruits, beautiful as the Stone, and ripen evenly from blossom end to the stem. Its table qualities are superb, the flesh, when ripe, being tender and melting, not hard as one might conclude from the solidity of the uncut fruit. Those who grow it will find it a valuable acquisition, and be surprised at its distinctness from all other known sorts. Price of Seed from Selected Fruits—Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 30c.; 4 ozs., \$1.00.

C. M. Grossman, Wolcottville, Ind. "When you see a good thing push it along," so I enclose you clipping from *Farm and Fireside*, in regard to Honor Bright Tomato, and also refer you to *Rural New Yorker*, of Oct. 8th, page 690, copy of which you perhaps have. In the *Rural New Yorker* this tomato receives such praise as is accorded to but few in that rather conservative paper. I, myself, shipped two bushel crates to a friend over 300 miles by LOCAL FREIGHT, and they reached destination in perfect condition. They cannot be equalled for shipping."

Mrs. Alfred Thomas, Kalamazoo Co., Mich. "I wish to express my very great satisfaction with Honor Bright Tomato. In the 25 years of my experience in raising tomatoes I have not met its peer for equal size, solidity, fine flavor and productiveness. The color sells it at sight."

T. Greiner, New York, says: "The fruit is large and sets freely in big clusters. I believe we have at this day no tomato that gives us as much good fruit to the vine as the Honor Bright."

The Michigan Agricultural College Experiment Station.

"LIVINGSTON'S HONOR BRIGHT.—Plants of strong, healthy growth; leaflets small, light yellowish-green; leaf-stalk and stem, yellow. Distinct in plant appearance. Fruits of medium size; round, flattened, regular form. The color is light green, then white, changing to yellow, and finally becoming a rich red when fully ripe. The flesh is very solid, of high quality and firm, and the variety would be excellent for shipping."

John H. Arndt, Baltimore Co., Md. "Honor Bright Tomatoes are the finest I have ever grown. They are solid, of good size and do not burst like other tomatoes do. They bear full and keep their size better than any I ever grew, can be kept at least a week when fully ripe, and if put in a cool place could be kept two or three times as long."

J. C. Fox, Iowa, says: "It is a great yielder, and when ripe the bright red color is found all through the tomato, making it a grand one for slicing. The flavor is exquisite."

Livingston's New
Dwarf Tomato.... Yellow Prince.

(Introduced by us in 1898.)

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. On account of its manner of growth a dozen plants occupy only two square yards. It is as early as the Dwarf Champion. The texture is solid, and the flavor desirable, in this respect differing from many other yellow 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. It 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.; 4 ozs., \$1.00.

Blanchester, O. "YOUR YELLOW PRINCE TOMATO is all right. I set small plants June 1, and had ripe fruit July 15."—J. A. P.

LIVINGSTON'S EMERALD CUCUMBER.

(INTRODUCED BY US IN 1897.) In 1889 we began carefully working up this variety, and now feel amply repaid for the labor expended, having succeeded in producing what we started out for—a dark green cucumber that would hold its color. It is strictly an evergreen, retaining its color until quite ripe. On sight, its distinct deep green and spineless skin attracts the attention of everyone. The fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. As a slicer the flesh is peculiarly crisp and tender, and the flavor most pleasing. The young fruit being deep green, straight and slender, makes an excellent pickle, and when ripe none exceed it for making sweet pickles.

For Forcing.—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 much longer than any other sorts. When grown under glass it is not excelled for beauty in color and form, even by the best English Frame varieties. It is almost entirely free from "warts and spines," so much so that it may be called spineless. As an all-purpose table or market variety it cannot be surpassed.

C. H. Hammel, Gloucester Co., N. Y. "Emerald cucumber and Honorable Bright-tomato cannot be beat."

G. C. Fleck, Pa. "Your Emerald cucumber is grand."

W. F. French, N. C. "The Emerald cucumber is the finest I ever saw, and I do not believe any one ever saw any finer."

A. P. Brobst, Ohio. "I have been using your seeds for several years, and they are the best I ever saw."

Charles E. Mape, N. Y. "I find your New Emerald cucumber to be first-class, large, smooth, prolific and the best flavor of any I ever raised."

W. D. Latschaw, Ind. "Your New Emerald cucumber is the best cucumber I ever raised."

PRICE—Large Pkt., 10c.; oz., 15c.; ¼ lb., 35c.; lb., \$1.00.

John Morgan, Pa. "The Emerald cucumber that we got last year was all that could be recommended. We had some that measured thirteen inches in length."

John Shackel, New Orleans, La. "I used Livingston's Emerald cucumber seeds last season and they gave entire satisfaction, hence my object in re-ordering."

J. S. Ireland, Van Wert, Ohio. "Your Emerald cucumber is No. 1, and a good bearer. It is the best cucumber we have raised for years. I can cheerfully recommend it."

J. A. Begg, Scott, Ohio. "Livingston's Emerald cucumber proved to be all it is recommended to be—the most beautiful evergreen, and very smooth."

✧ DANISH BALL-HEAD CABBAGE. ✧

"Hard as a Rock."

"Heavy as Lead."

The Greatest Weight in the Smallest Space.

This splendid variety is remarkable for its solidity and grand keeping qualities. Such has been the demand among consumers for this fine grained cabbage as to render its importation from Denmark a most profitable enterprise for the vegetable dealer. It was at first thought such solid heads could not be successfully grown in this country, but this has been found entirely untrue when GENUINE DANISH SEED IS USED. The heads, although not quite so large as OUR 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 and ship in car-load lots. It is a most popular and profitable variety with the American grower. Unfortunately, this variety has been imported and sold under a number of German names, as "Hollander," "German Export," "Solid Emperor," "Dutch Winter," etc. The correct name is "Danish Ball-Head," and to the Dane belongs the credit of sending it out.

PRICE, Genuine Danish Seed—Pkt., 10c.; oz., 25c.; 2 ozs., 40c.; ¼ lb., 75c.; lb., \$2.50.

TWENTY-FOUR YEARS A CUSTOMER.

W. B. Fuller, Iroquois Co., Ill. writes: "I have used your seeds since 1875 and can say I have always been well satisfied."

Frank G. Smith, Perry Co., Ohio, writes: "Your seeds always give such good satisfaction that I think the name 'True Blue' is correct."

S. E. Carpenter, Madison Co., Ind. "I have used your seeds for 10 years in Indiana; my father, a market gardener at Enterprise, O., had used your seeds for 10 years before I came to Indiana."

JAPANESE CLIMBING CUCUMBER.

Vines extra strong; foliage more vigorous than other kinds, and being a climbing sort, can be grown on trellises, etc., saving valuable space in small gardens. It is very prolific, from 40 to 50 cucumbers having been counted on single plants. Fruits cylindrical, about ten inches long, and fine flavor. **Price**—Postpaid—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

"True Blue."

The Wonderful Lettuce.

The Largest Heading Lettuce we have ever seen. It has been grown to weigh SIX POUNDS to the head, and frequently weighs two to three pounds. The heart is very solid, of pleasing light green color, very tender, very crisp, and without the slightest trace of bitterness found in the majority of lettuces. As an example of its "standing" properties, perfect lettuces were cut from the same bed for upwards of seven weeks. Two POUNDS, trimmed close, ready for table use, were common on our markets last summer. At the famous CANDY KITCHEN Restaurant (in this city) it was pronounced the finest ever seen in the United States, and not half enough could be secured to supply the demand after the customers had once sampled an order. FOR EXHIBITION PURPOSES and for an OUTDOOR, ALL-SEASONS VARIETY it stands unrivalled.

Make Sure of the True Wonderful.—We understand some have been sending out an old variety under the name "Wonderful." The old variety referred to is smaller and otherwise inferior. Our customers say so, and they ought to know, after three years' trial. A few extracts from what they say:

"I can only get 45 heads in a large sugar barrel."
"Looks like early summer cabbage heads."
"Blanches crisp, and is delicious."
"Finest I ever saw."
"Wonderful, indeed."
"Would eat 'Wonderful' daily if I could get it."
"Ahead of all for a summer sort."

Our stock is from HEADQUARTERS and there is no better.

Nothing like "TRUE BLUE" SEED if you want results.
Pkt., 10c.; oz., 20c.; 4 ozs., 60c.; lb., \$1.60.

.... POWELL'S PROLIFIC POLE BEAN ....

Prof. Powell, of North Carolina, whose name this wonderful new variety bears, says of it: "They are an extraordinary Snap Bean, surpassing anything ever seen in our section—hearing profusely, and continuing until frost; they are very tender and palatable—six hills enough for a family." We have grown this variety for several years and find it a most rampant grower, one plant filling a pole with a mass of vines, densely loaded with luscious beans, fully twice as productive as any other variety in existence. Almost a solid mass of pods from the bottom to top of pole. The handsome green pods average eight or nine beans to the pod, grow very uniform, about six inches long; perfectly stringless, very thick meated, tender, rich and buttery; possess an exquisite flavor when cooked—many calling it, without exception, the very best Bean grown. It continues in bearing so long it might be called "Everbearing."

Price, by Mail (postpaid)—Pkt., 10c.; ½ pint, 25c.; pint, 40c.; qt., 75c.

Enormous. Tomato.

A New Late Large Red Variety.

We have watched the development of this variety for the past five years, it having first appeared in the form of a "sport" plant in one of our crops of Livingston's Stone. The size is large to very large; smooth, but cracks more or less about the stem end; few seeds, and of fair quality when well grown on good, rich soil. We have given it a fair trial on various soils in different localities the past two seasons. It has large size to recommend it when well grown under favorable conditions, but is probably no larger under ordinary culture than our Buckeye State or the Ponderosa. Specimens of Buckeye State "7 to the yard" are not unusual. We recommend it as worthy of trial and especially by those who like something big.

True Stock—Pkt., 10c.; ½ oz., 25c.; oz., 40c.; 4 ozs., \$1.25.

... LIVINGSTON'S ...

New Pencil Pod Wax Bean.

Although convinced by thorough test at Our Trial Gardens that we had a splendid Bean to offer, we nevertheless sent out thousands of packets for trial to all parts of the country, believing the opinions of numerous Growers in many soils, under different climates and conditions a much safer guide to general utility than even the most thorough test in one locality. The result far exceeded our most sanguine expectation. NOT ONE UNFAVORABLE REPORT, but all substantiate our claim of "hardiness" and "great prolificacy," combined with "superior table quality" and "ABSOLUTE FREEDOM FROM STRINGS." No other sort approaches it in point of vigor, hardiness or prolificacy, and when to this is added the superior table quality of its long, straight pencil pods, perfectly rounded and smooth, of rich yellow color, absolutely stringless and tender, it is easily apparent that it LEADS THE LIST. Our stock is very limited this season and although we think we shall have sufficient for our trade we would advise early orders.

By mail (postpaid)—Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 65c. By express or freight, not prepaid—Pt., 25c.; qt., 45c.; 2 qts., 85c.; 4 qts., \$1.60; peck, \$3.00; bus., \$10.00.

AS OTHERS SEE OUR NEW YELLOW PODDED PENCIL BEAN.

"The Yellow Padded Pencil Beans you sent me last spring for trial proved to be all you claimed for them. They were very tender, stringless and luscious, and the best we have raised for years."

"Pencil Pod Bean proves to be very hardy, an early and continuous bearer of grand quality, and I consider a decided acquisition. I usually plant about 20 varieties of beans and this is one of the best. We had a mess from them last week, and I see they are still blossoming and setting pods."

"The Pencil Beans were loaded with pods and were all picked for Seed, and the vines took a new start and bore a second crop and I picked a mess for dinner to-day, and I never ate better snap beans of any kind."

The Royal Corn Bean.

(INTRODUCED BY US IN 1895.) This is a remarkably good Pole Bean which, we believe, is entirely unknown outside of our Columbus market. It is a green-podded Snap Bean, whose pods are produced in large clusters or handfuls; shape long; semi-round; stringless; very tender, and produced in wonderful profusion. The dry seed cannot be distinguished from Dwarf White Kidney or Royal Dwarf. Its strong points with gardeners are as follows:

- 1st. It will yield twice as many bushels of String Beans from the same ground as any Bush Kind.
- 2d. Growing in clusters it is just fun to pick them. Takes no time at all to gather a bushel.
- 3d. The beans being exactly like Royal Dwarf or White Kidney can be shelled green for summer market, or left to ripen and sold as "dry beans."
- 4th. Specially adapted for growing in corn, thus economizing space, or where poles are scarce. Pkt, 10; pt, 35.

"CRISP-AS-ICE" LETTUCE.

(INTRODUCED BY US IN 1895.) A most beautiful, attractive lettuce of 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. Sow early in hot-bed, or in a box in the house, for transplanting, later sow some outside for summer use; transplant 12 to 18 inches apart each way, according to richness of the soil. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; 2 ozs., 40c.; 4 ozs., 75c., postpaid.

The Paul Rose

(PETOSKEY)

Muskmelon.

A decidedly new and meritorious variety that is bound to please all classes of melon producers. In the "Paul Rose" we are offering one of the best Musk Melons introduced for years. It is a successful cross of the Osage with the Netted Gem, and combines the sweetness of the former with the fine netting of the Gem. It is a large Rose Gem, with deep orange flesh. It is a great producer of extra fine quality melons, and the photo along side speaks for itself. As early as the Gems and equally as good a shipper. Our stock seed is saved from choice selected melons by Mr. Paul Rose, the originator. Mr. Rose is a very extensive melon grower of northern Michigan, where the climate seems peculiarly conducive to the high quality in melons. Price of True Stock Paul Rose: Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

800 BUSHELS TO THE ACRE.

Wolcottville, Ind., March 22, 1898. "Your Paul Rose Muskmelons are O. K. Getting \$1.00 per bushel as fast as they ripen. Have some that will yield 800 bushels to the acre. Price me 5 to 10 lbs. of seed for next season." C. M. G.

Every One a Good One.
The Best of All.....

Livingston's "Tip Top" Melon. Tip Top In Quality. In Appearance. In Productiveness.

Wm. Broxey, Ohio, writes: "Your Tip Top nutmegs are the best melons I ever raised. They outrank all the others, and everybody in Dayton that I sold to liked them better than any melon they ever had."

R. S. Jones, Miss., writes: "I want an early, yellow-fleshed melon, that will match Tip Top, the best melon on earth."

Harry Hill, Ill., writes: "Last season I planted your Tip Top Melon and made more money per square rod than I ever made before on melons, and I have been raising melons for market for 15 years. My customers say they are the best melons they ever saw."

Muskmelon, "The Strawberry."

Mr. Beck, a melon-grower describes it as follows: "Its first appearance caused a great furore in our market. People were loud in its praise, claiming it surpassed all others in point of excellence, with a flavor like that of a strawberry, hence the name. A desirable market size, 6 to 8 pounds. Its outside appearance compares favorably with the green nutmeg of old, turning to a yellowish hue when ripe. Its smooth deep flesh is of an attractive red color." Pkt., 5c.; oz., 15c.; 4 ozs., 50c.

(INTRODUCED BY US IN 1892.) This new Muskmelon ought to be planted by every gardener. 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. Gardeners tell us that their customers soon learn to pick them out, and will have no other kind. The fruit is of large size, nearly round, evenly ribbed and moderately netted. It is a so, perhaps, the most productive melon known. One customer reports seventy-two large, magnificent melons from two hills. By care and close attention for the past eight seasons we have greatly improved and increased the attractive appearance of this variety by selecting for seed stock the best specimens, and especially those showing the greatest amount of netting.

Price of Selected Seed saved from typical "Tip Tops"—Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; 4 ozs., 40c.; $\frac{1}{2}$ lb., 60c.; lb., \$1.00.

Edgar A. Ross, Ga., writes: "I planted last year a small patch of Tip Top, and found them all you claim for them. It is the best melon I ever saw. Everyone was first-class, and it is the only variety of which this can be said."

Wm. M. Camby, Md., writes: "I have raised the Tip Top for two years and consider it the best of all. I procured the seed from you two years ago."

Geo. C. Short, Ohio, writes: "Tip Top stood the test as to quality better than any of the other kinds this excessively wet season."

John S. Lester, Conn., writes: "Tip Top melon cannot be beaten. I have had the market entirely to myself."

H. F. Farris, Tenn., writes: "I have been buying your Tip Top Seed for three or four years, and will have no other if I can help it."

J. T. Johnson, Tenn., writes: "Tip Top cantaloupe cannot be beat."

M. C. Lewis, Ind., writes: "I think Tip Top the best melon there is. I planted your Early Hackensack and Tip Top this year, which makes a very good combination for early and late melons. I have never been better pleased with kind and quality than this year."

L. S. Birney, Ohio, writes: "I gave your Tip Top muskmelon a fair test last season by the side of two other kinds and they were so far ahead of any kind I ever used, I do not want any other. Everybody that tasted them remarked what fine melons we had."

Rocky Fords.

(See Page 36.)

This name is applied by shippers to the NEW ROSE GEM MELON, introduced by us in 1896. It has become more popular in four seasons than the old type Gems have in eighteen years, which speaks very highly for this improved strain, for the old Gems are an excellent variety. We have made great claims for it from the start, knowing it would go like hot cakes when once tried by melon men.

LIVINGSTON'S *Prolific Giant Podded Sugar Pea.*

(INTRODUCED BY US IN 1897.) This grand new introduction will be of especial interest to all lovers of Edible Podded Peas. Excels all others in size, productiveness and quality. To even those who know how delicious and wholesome are Sugar Peas cooked pods and all, a dish of these giant pods, sweet, sugary and melting, will be a delightful surprise. The vines average about 36 inches in height, remain a long time in bearing, and when grown without brush or trellis are strong and rank. The pods are gigantic in size, broad, sweet and tender, extremely fleshy, and equal to the best snap beans for cooking pods and all. Dry peas, when ripe, are extra large and wrinkled. It is a decided improvement over Melting Sugar Pea, being equally as early, much more productive and greatly superior in quality. We recommend all to give it a trial. By mail, postpaid, pkt., 10c.; qt., 30c.; pt., 55c. By express, not prepaid—Qt., 40c.; 2 qts., 75c.; 4 qts., \$1.25; peck, \$2.50; bus., \$9.00.

In Michigan Experiment Station Report

WE FIND THE FOLLOWING:

"Giant Podded Prolific Sugar Pea 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."

Livingston's New *Brown Beauty* Onion.

For over 30 years the Market Gardeners Favorite Onion for this Market.

Last season we sent out several thousand packets of a new Onion, which we then called "Columbus Market," and asked our customers to report as to its merits, and also to suggest a suitable name. From the many good names suggested we have chosen "*Brown Beauty*" as the best. This appropriate name was suggested by Mrs. Jas. A. Betz, of Gallia Co., Ohio, Mr. G. F. Joslin, of Rensselaer Co., N. Y., and Mr. J. P. Best, whose address we do not have at hand. Following is the description given the onion last season:

"For winter and early spring it is hard to beat. Hardly and solid; keeps anywhere in good shape until late spring, where other onions would be frozen or growing, or worthless. A medium flat variety, of good size, curves down early and perfectly; skin dark brown; flesh white and of desirable flavor. Being so hardy it is good for putting out early for green bunch onions. Set growers should not fail to test this onion, as no other sort equals it for keeping qualities. Pkt., 10c.; ½ oz., 15c.; oz., 30c.; ¼ lb., \$1.00."

A few Quotations taken from Reports of Customers.

"It is a dandy." "Very pleasant flavor." "Ripened Aug. 10th, keeping nicely; a fine one." "Without exception the very finest I have ever grown." "Very firm; good keeper." "Eating quality fine; best I ever raised." "The favorite of all."

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 the 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 handsome, large pods profusely over the vine. The pods are nearly round, long and straight, well filled with luscious sweet peas of the finest quality. In our Trial Grounds the past season we marked these as an exceedingly profitable variety for marketmen to grow. They are worthy of a place in your gardens this season.

Pkt., 10c.; pint, 30c.; qt., 50c., postpaid.
By Express—Qt., 40c.; 2 qts., 75c.; 4 qts., \$1.30; peck, \$2.50; bus., \$9.00.

CARTER'S "DAISY" PEA.

A New Second-Early Dwarf Pea with Immense Pods and Peas.

A magnificent new Pea. Vines are from 16 to 18 inches high. 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 of the *Daisy* excites the admiration of all. Of all the numerous crops and many pea trials examined the past season, the *Daisy* pleased and attracted us most, and we are sure that all who have this grand new pea in the garden this season will unite in praising it.

Pkt., 10c.; pint, 25c.; qt., 50c., postpaid.
By Express—Qt., 35c.; 2 qts., 60c.; 4 qts., \$1.10; peck, \$2.00; bus., \$7.50.

New Zimpfer Parsnip.

strain of seed many years for his own use only, always selecting the most perfect roots, in all points, for this purpose, until it is the purest stock and grows the handsomest Parsnip we have ever tested. It is a splendid variety for market, especially where the roots are sold in bunches, being of much more desirable shape than any of the Hollow Crown or Cup varieties. It is sweet, smooth, very white, and cannot fail to please any marketer. The past season we secured some choice roots from Mr. Zimpfer and grew a stock of the seed. Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.20.

New Cincinnati Market Radish.

The Best Early Long Radish to Date.

This superb Radish was produced in the vicinity of Cincinnati, O., by the "Glass Gardener" there, and has been used by them for over thirty years. We introduced and recommended this Radish to our trade in the spring of 1895, and it at once became so deservedly popular that for the past three seasons we have had to grow it by the thousands of pounds to supply the demand. It is seldom that even a good thing leaps with one bound into general favor, as has been the case with Cincinnati Market. The tops are so very 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 quickly "run to seed" if left standing too thickly. They grow straight and smooth, and 6 to 7 inches in length. Their attractive glossy scarlet colored skin is very thin, the flesh crisp, brittle and of delightfully pungent flavor. The finest red for forcing, and outsells all others in any market to which it goes. Being long standing it is also an extra fine sort for the home garden. THE SEED WE OFFER IS OUR OWN GROWTH, FROM PURE, STRAIGHT STOCK. Post-paid—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.; 3 lbs., \$2.25.

Cuyahoga Co., Ohio. "I bought 45 lbs. of your Radish seed last spring (1899), from which I sold 5,352 dozen bunches (60 to a bunch), or 321,120 radishes, netting me \$475.25. "True Blue" seed are good enough for me."

J. A. PATTON.

Sutton Brothers' Commission House: "I have known the Cincinnati Market Radish for 30 years. No variety holds its freshness longer, meets with readier sale or gives better satisfaction. We sold it for years in Cincinnati, before coming to Columbus. 16 years ago."

L. K. SUTTON.

The Snowball Radish.

One of the quickest growing, besides one of the prettiest ever put on a gardener's bench. White as snow and smooth as glass. Few short tops. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

New Leafless Radish.

Extra early; remarkable for the small size of its leaves; the roots grow so quickly they are practically in advance of the leaves, and for that reason it is called LEAFLESS. Its peculiar, crumpled leaves "are few and far between." A beautiful bright color, and the crisp, tender flesh is excellent. Pkt., 5c.; $\frac{1}{4}$ oz., 15c.; oz., 25c.

The Snowball Radish.

The New Leafless Radish.

Scarlet Ball (Pamir) Radish.

New Winter Radish.

Scarlet Ball (Pamir.)

This variety is a very welcome one among Winter Radishes. It is also a good late summer and autumn variety. Its handsome globular shape, enhanced by its beautiful deep scarlet color, gives it a very ornamental appearance. The flesh is white, firm and of very agreeable flavor. The roots can be easily kept for a long time during winter without starting into growth, without becoming hollow at the center. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.

An Extra Early New

White Milan Turnip.

This is one of the earliest turnips grown; deep in shape, slightly flattened at top and bottom; the outer surface of the bulb is tender. Its- table qualities are unequalled, being of most delicious flavor and tempting appearance.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb. 25c.; lb., 75c.

A VALUABLE EARLY VARIETY FROM AUSTRALIA, medium size, hard and solid, attractive for

Australian Brown Onion.

market, both as to form and appearance. Extremely early in ripening, and NEVER MAKE ANY STIFF-NECKS OR SCALLIONS. Every seed seems to produce a good-sized onion. It has the reputation of keeping indefinitely. The color of the skin is a clear amber-brown. Pkt., 5c.; oz., 20c.; 2 ozs., 30c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75, postpaid.

New Celery, THE TRIUMPH.

Splendid Long-Keeping Sort. Extra Fine Flavor. Late variety of real merit. Healthy, strong grower, stalks very white, crisp, tender and brittle. We recommend it as worthy of a first place among late varieties. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

Ornamental Pomegranate.

Queen Ann's Pocket Melon.

Grows on a pretty vine; its handsome fruit is a lemon-orange. Very fragrant, sweetly perfuming a room with their pleasant odor for days. Very prolific and easily grown. Pkt., 5c.; 6 pkts., 25c.

GOURDS.

Our Extra Fine Mixture of Many Ornamental Sorts. Very curiously formed and marked; on pretty vines of very rapid growth; a very desirable climber. 10 to 15 feet. Pkt., 5c.; oz., 40c.

ATCORA—A fine ornamental gourd, black seeds, white spotted fruits; a very rapid growing climber, fine for covering arbors, etc. Pkt., 5c.; oz., 40c.

Livingston's Ornamental Gourd Mixture.

Thanksgiving Pumpkin.

The average size is about the same as that of the Cheese Pumpkin, but the flesh is fully twice as thick. On account of this extra thickness the yield in pounds is double that of other kinds. The flesh is orange in color, fine grained, sweet, and has the delicious pumpkin flavor essential to the making of a first-class pumpkin pie. The name, "Thanksgiving," was suggested by the almost universal custom of having pumpkin pie at the Thanksgiving dinner. Pkt., 5c.; oz., 10c.; 4 ozs., 30c.

The New Strawberry, "Rough Rider."

This famous berry originated in Oswego, N. Y., by a leading grower of that famous Strawberry locality. A seedling of Eureka fertilized by Gandy. Prolific runners like Eureka, the plants closely resemble Gandy. ENORMOUSLY PRODUCTIVE, HARDY and FREE FROM DISEASE. Berries VERY LARGE; roundish, but elongated, mostly shape of illustration, but some flattened and pointed. Color DARK RED. The LATEST and FINEST strawberry in existence; was shipped to New York and Boston in 1899 and sold for nearly double most varieties. Although the past season was earlier than usual, good pickings were made till near August 1st. Much more could be said in praise of this excellent berry, also many testimonials from good, reliable growers are at hand and could be given if our space would permit. Price of Extra Strong Plants—Doz., \$2.00; 100, \$12.00; 1,000, \$100.00.

Extra Early White Milan Turnip.

Australian Brown Onion.

HOLT'S MAMMOTH SAGE.

This large-leaved variety has been tested for years, and we can recommend it as being 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 borne well up from the ground, are clean, strong in flavor, and of superlative quality. Perfectly hardy, even in extreme Northern States. Never seeds. Plants, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00, postpaid. Prices on application for larger lots.

Chenille Plant.

"COMET PLANT."

(*Acalypha Sanderi*.)

A most distinct and striking new plant, for ornament and decoration unsurpassed. Has spikes of glowing crimson-scarlet, 18 to 24 inches long, of early growth, free-flowering the entire season. A plant hard to surpass in the conservatory or greenhouse. Plants, each, 25c. Larger plants, 40c., postpaid.

A New Dahlia, "Perle." (Resembles the Pink Nymphaea Dahlia.)

THE BEST FOUR NEW DAHLIAS.

"NEW PERLE" DAHLIA.

The finest white cactus yet introduced; a perfect gem, might be called a white Nymphaea; one of the finest for cut flowers. Each, 20c.; 3 for 50c.

"ST. GEORGE" DAHLIA.

The grandest single Dahlia ever introduced; flowers a pure clear yellow, 3 to 4 inches in diameter, and borne on long stems. A prize winner at all shows. 20c.; 3 for 50c.

"DAYBREAK" DAHLIA.

A pleasing soft pink, like "Daybreak" Carnation. Best dwarf by all odds we saw last season, loaded with flowers. Each, 15c.; 2 for 25c.

A GRAND NEW DAHLIA, "STORM KING."

This new snow-white show Dahlia is extremely early, a profuse and constant bloomer, a strong, vigorous grower of dwarf branching habit, and produces its flowers on long stems. It combines all the good qualities of the popular A. D. Livoni with an early-blooming habit and the production of twice as many flowers on longer stems. The flowers are snow white, of perfect form, and full to the center. As a cut-flower variety, it is the florists' ideal, white for grouping or as a specimen plant it is far ahead of any other white show Dahlia. Postpaid, 35c. each; 3 for \$1.00.

ONE EACH OF THE FOUR DAHLIAS, 70c. Postpaid.

New Dahlia, "Storm King."

Japanese Fern Ball.

This wonderful novelty we take pleasure in introducing as one of the most satisfactory house ferns ever offered. We had them growing last summer until September. Its beautiful leaves and color attracted the attention of everyone throughout the entire season. The center is moss, covered with fern roots in an ingenious manner, looking like a ball of small roots twisted together. After watering they start into life and in a short time are covered with a mass of beautiful green foliage. If desired, they may be allowed to dry up, which is very convenient sometimes, and started again by simply watering. When growing they should be watered two or three times a week. Many prefer them to hanging baskets. The fern leaves are very lasting, and do not fade for several weeks. Balls, 6 to 8 inches in diameter, ready to hang up, each, 65c.; 2 for \$1.00, postpaid.

Thompson's
New Branching Aster.

thus prolonging their time of blooming after all other asters are gone. As a cut flower they are unsurpassed. Their long, slender stems and handsome foliage give them a graceful beauty that words cannot describe. To grow them at their best they should be planted in rich soil, about two feet apart. Hoe often and give plenty of water in dry weather. A mulching of lawn-cuttings or leaves is also very beneficial.

The seed we offer has all been hand-picked and counted and papered by Mr. Thompson.

Price for a packet of 50 good plump seed, 15c. each; 4 pkts. for 50c.
We predict this aster will become at once a favorite with those who grow the cut bloom for sale, because it is bound to make them money.

New Hybrid Zinnias.

MEXICAN HYBRIDS.

These new hybrids produce flowers of the size of a large daisy. They are single, semi-double and double, and the colors are in the most unique, pleasing and numerous variations. Extremely pretty, very free-flowering, elegant. Plants will please everybody. Pkt., 10c.

Large Flowering Morning Glory.

"ROCHESTER."

Deep violet-blue throat, blending out to azure-blue with wide white border.

This grand new Blue Morning Glory is remarkable for the large size and new color of the flower. Vine strong, growing quickly twelve to twenty feet in height, with magnificent foliage, the leaves measuring from eight to ten inches across, and remain on the vine close to the ground during the entire summer. Flowers four to five inches across. Sow early in the spring. Pkt., 10c.; 6 for 50c.

New Yellow Japanese Morning Glory.

A very rare and pretty variety from Japan. Flowers of good size, canary-yellow, often striped and blotched with azure blue. The leaves are beautifully marbled and blotched with white and silvery gray. Pkt., 10c.

We will send one packet each of the five Flowers offered on this page for only 45 cents.

Thompson's NEW Branching Aster.

A Decided Novelty. A most charming variety for cut-flowers. Mr. Thompson is a successful aster grower near this city. We saw this beautiful and distinct new variety growing at his place last summer, where it was admired by all on account of its lovely color and elegant form. The following is Mr. Thompson's description: "This lovely new aster is entirely distinct in habit of growth and flowers; they grow about 2 feet high, and same in diameter, forming an open symmetrical plant, with small, dark foliage and bearing from 40 to 60 lovely flowers, on slender, graceful stems, 15 to 24 inches long. Flowers are white with narrow stripe of rose-pink in center of the long, narrow petals; the center is a whorl of petals, and the whole flower has a beautiful ostrich-plume effect. Commence blooming about the same time as late asters; buds open gradually and flowers remain perfect a long time—

Chrysanthemum, "Chameleon."

A large flowered variety of this showy annual. The ground color of the flowers is light coppery-bronze, with bright purplish crimson zone, the black-purple disc is surrounded by a golden-yellow circle; the different colored flowers on one plant produce a beautiful contrast. Exceedingly effective value for cutting purposes. Pkt., 10c.

New
Rochester
Morning Glory.

St. Brigid Anemones.

"IRISH POPPIES."

The large beautiful poppy-like flowers are produced in profusion. Some are single, semi-double and double, some have fringed edges. The gorgeous colors are almost endless, pleasing and effective—maroon, vivid scarlet, shell pink, lilac blue, purple, spotted, fringed, striped and even black and white are sometimes found. They bloom the first season if sown early, and, being hardy, continue blooming for years.

Pkt., 10c.; 3 for 25c.

COPYRIGHTED BY A. B. L. S.

Some of the Best New and Most Reliable Sweet Peas.

EARLIEST OF ALL—A distinct new strain of Blanche Ferry; more dwarf and ten days earlier. "It is 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.

PINK FRIAR—One of the finest, very beautiful; spatter-work of delicate crimson rose on a white ground; flowers one-third larger than the famous large Gray Friar; pronounced by many the most beautiful of all shaded varieties.

STELLA MORSE—Rich crimson buff, flushed pink; a most distinct shade.

ORIENTAL—Finely formed large flowers, of bright orange-salmon, veined with deeper shade; odd and beautiful.

NEW COUTESS—Very best clear, light lavender; a decided favorite for bouquets or cut-flower decorations.

WAWONA—Beautiful heliotrope, distinctly striped with white; flowers of large size and fine form, are borne most profusely upon long heavy stems.

MAID OF HONOR—Flowers light blue, on a white ground, with a bold edge of deep lavender; very showy.

MODESTY—Very fine; most delicate shade of pink; a prolific bearer of large, perfect flowers.

PRIMA DONNA—A beautiful shade of light blue pink; good flowers of large size, often four on a stem.

SALOPLAN—A red of fine grandiflora form; stands the hot sun best of all the deep crimson-scarlets.

PRICE of any of above Sweet Peas, pkt., 5c.; 10c.; 4 ozs. of one or more kinds for 30c. One packet each above ten beautiful Sweet Peas for ONLY 30c.

THREE HARDY TO BEAT SWEET PEAS.

SADIE BURPEE—The new "Buttonhole" white. Harliest of all whites; flowers extra large, yet dainty and beautiful in form; color purest nearly white. Pkt., 5c.; 10c., 20c.

OTHELLO—Beautiful deep glossy chocolate red; flowers very large, of hooded form; termed the very best dark Sweet Pea to date. Pkt., 10c.; 15c.; 25c.; 40c.

GORGEOUS—The most gorgeous color of all, deep, rich orange-salmon; bears flowers of immense size, at the end of long stout stems. Pkt., 5c.; 10c., 15c.

DWARF CUPID SWEET PEAS.

The little beauties only grow 6 to 8 inches high, and excite wonder wherever seen; very fragrant; bear full-sized flowers of fine substance, 2 or 3 to the stem; profuse bloomers; excellent for beds, borders and pot culture; flowers early and continue in bloom very late.

PINK CUPID—Standards—Bright rose-pink; wings pure white. Pkt., 5c.; 10c., 15c.

WHITE CUPID—Flowers pure white. Pkt., 5c.; 10c., 15c.

BEAUTY CUPID—Flowerstandards, delicate rose color, with wings of rose-carmine; a fine grower and very free bloomer. Pkt., 5c.; 10c., 15c.

MIXED CUPIDS—Several sorts; Pkt., 5c.

Any 7 FIVE CENT pkts. of Sweet Peas on this page for 25c.

NEW NAVY BLUE SWEET PEA.
See page 104.

Verbena, the "New Mayflower."

This great Flower Seed Novelty was raised and named by Luther Burbank, California's noted horticulturist. The shape of its blossoms, its color and fragrance are almost identical with the wide-famed and cherished trailing Arbutus, or New England "Mayflower." The flowers are white, touched with delicate pink, and possess a rich and powerful fragrance. Every Verbena grower should grow "Mayflower." Pkt., 10c.

Verbena, "Royal Splendor."

MIXTURE—The most brilliant and distinctly marked of all Verbenas. Unsurpassed in size and the range in dazzling brilliancy of colors is indeed wonderful. Royal Splendor stands without a peer for the great variety of beautiful shades. Many years were spent in bringing it up to its present high state of perfection, and a trial will prove that too much could hardly be claimed for it. Pkt., 15c.; 2 for 25c.

\$1.00 Big Dollar Collection \$1.00

BY MAIL, POSTPAID. Positively no Changes can be Allowed.
Made up of our Regular Sized Packets, and not put up expressly small for the occasion.

- 1 Beans—Powell's Prolific. Best Pole Bean in the world.
- 2 Beans—Dwarf, Rustless Wax. Yellow pods, very early.
- 3 Beet—Crosby Egyptian. Very early and very good.
- 4 Beet—Edmund's Blood Turnip. Best general use.
- 5 Cabbage—Early Spring. One of the best for early use.
- 6 Cabbage—Livingston's Ideal. Best winter variety.
- 7 Celery—Giant Pascal. Very crisp, high flavor.
- 8 Celery—White Plume. Self-Blanching.
- 9 Corn—Country Gentleman. Best late; an evergreen.
- 10 Corn—Livingston's Evergreen. Sweetest of all.
- 11 Cucumber—Livingston's Evergreen. Best pickle.
- 12 Cucumber—Our New Emerald. Beautiful. Large.
- 13 Lettuce—Butterhead. Splendid early.
- 14 Lettuce—Defiance. Best of all Summer Lettuces.
- 15 Watermelon—Sweet Heart. Quality can't be beat.
- 16 Muskmelon—Rose Gem. New. A choice Nueg.

FREE

With each order for the BIG DOLLAR COLLECTION we will add one packet of LIVINGSTON'S FANCY PANSHIES or an ounce of OUR MIXTURE SWEET PEAS.

- 17 Muskmelon—Livingston's Tip Top. A No. 1.
- 18 Onion—Danvers Yellow Globe. Best general crop.
- 19 Onion—White Globe. Best white. Good keeper.
- 20 Pepper—Mountain Sweet. Large and prolific.
- 21 Parsnip—Zimpher White. Sweet and fine.
- 22 Pumpkin—Sweet, or Pie. Best for table use.
- 23 Peas—Livingston's First-in-Market. A grand early.
- 24 Peas—New Shropshire. Immense pods. Excellent.
- 25 Radish—Cincinnati Market. Great favorite for early.
- 26 Radish—New Chertons. Best early or late large sort.
- 27 Radish—Livingston's Surprise Mixture. Many kinds
- 28 Squash—Large Golden. Summer Scallop.
- 29 Squash—Warty Hubbard. Fine for pies or baking.
- 30 Tomato—Livingston's Stone. No better. Red.
- 31 Tomato—Livingston's Beauty. No better. Purple.
- 32 Turnip—Purple Top White Globe. One of the best.

General List of Vegetable Seeds

All Standard Varieties of real merit may be found in this department. We exclude everything worthless, omit the 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.

DISCOUNTS WE SELL SIX 5-CENT PACKETS OF SEEDS FOR 25 CENTS. THIRTEEN 5-CENT PACKETS FOR 50 CENTS.

On all orders for Flower or Vegetable Seeds in packets or ounces, the purchaser may select seeds to the value of \$1.25 for each one dollar sent us. Thus, anyone sending \$1.00 can select seeds in packets or ounces amounting to \$1.25; 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 ounce. **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.**

CUSTOMERS WHO ORDER EARLY Have their seeds on hand when they want them, and avoid unnecessary delay during the rush of the season. **Make out your order as soon as you receive our catalogue, and remember that heavy seeds and large quantities can be sent cheaply by freight and will reach you in time if ordered early.**

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

Peck, Bushel and Barrel Lots, When ordered, the freight or express charges must be paid by purchaser.

Seeds, ordered sent by Express or Freight, (buyer paying transportation charges), deduct 8 cents for a pound, 8 cents for a pint, and 15 cents for a quart. Half-pounds supplied at pound rates, half-bushels at bushel rates, unless otherwise quoted.

MARKET GARDENERS, OR OTHER LARGE PLANTERS, requiring larger quantities of seeds than are here offered are invited to write for 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.

Artichoke.

French—*Artichaut.* German—*Artischoke.*

This is the French Artichoke, and is grown for its flower heads which are cooked like Asparagus. It is perennial, hardy, and easily cultivated, hence should be more generally grown. Seed can be sown in hot-beds, and transplanted into pots so as to give plenty of room, until danger from frost is past, and then transplanted into very rich ground 3 feet apart each way, or the seed can be sown outside early in April in a rich seed bed in drills 1 inch deep and 12 inches apart, thinning, when up, to 4 inches apart in rows; but in that case

will not likely produce heads the first season. Protect in winter with a slight covering of manure or leaves put on late after cutting off the old tops. The second season they will form heads about the first of July. Once established they will continue bearing for years.

Large Globe or Paris—Best for general use. Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

JERUSALEM ARTICHOKE ROOTS

—The Jerusalem Artichoke can be grown only from the tubers. It is especially valuable as a cheap and healthful hog food; yields enormous crop. Lb., 30c.; 3 lbs., 75c., postpaid. Express or Freight—Pkt., 60c.; bus., \$2.00; bbl. of 3 bus. (enough for one acre), \$5.00.

Jerusalem Artichoke Roots.

Asparagus.

French—*Asperge.*
German—*Spargel.*
Spanish—*Esparragoe.*

One of the earliest spring vegetables, and one that would be in more general use were it known how easily it can be

grown. It can be grown in any good garden soil, but does best in moist, sandy soil. To grow plants from seed, sow in drills about 1 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 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. The deeper the soil and the more manure used the greater the crop. Annually, after the first 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 they should be cut and removed from the beds, and just before winter cover beds with 4 inches coarse, strawy manure or leaves, which should be removed in the spring. A bed 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce seed sows 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 robust and vigorous in habit, throws large shoots and fully as many as Conover's Colossal; needs no earthing up. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Donald's Elmira—Originated with Mr. Donald, a well-known market gardener of Elmira, N. Y. A good, reliable mammoth variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Conover's Colossal—A large and rapid grower of excellent quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Barr's Mammoth—Very large and uniform, grows very quick, and is light in color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Palmetto—This is claimed to be an earlier, better yielder and more even grower than Colossal. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Bunch of Columbian Mammoth White ready for Market.

Asparagus Roots. By purchasing Good Strong Roots two year's time is saved. At the prices quoted buyer is to pay Freight or Expressage.

Columbian Mammoth White..	(All	Per 100—\$0.75	Per 1000—\$5.50
Donald's Elmira	Two	.. .75	.. 5.25
Palmetto	Year	.. .75	.. 5.00
Barr's Mammoth	Roots	.. .60	.. 4.50
Conover's Colossal	Roots	.. .60	.. 4.00

50 Roots at the 100 rate, 500 at the 1000 Rate.

PRICE, Delivered Free in the U. S., any variety, \$1.00 per 100 Roots. Special Prices for Larger Quantities Asparagus Roots.

Prices for Packets, Ounces, Quarter-Pounds, Pounds, Pints and Quarts are Postpaid, unless otherwise noted.

Beans

Dwarf or Bush Varieties.

Beans are tender and should not be planted until all danger from frost is past; no time is gained by planting in the row, and rows 3 feet apart. Hoe often, but never when wet with dew or rain, as earth will rust the leaves and injure the crop, especially in sandy soil.

One quart will plant 100 feet of drill; one to one and one-half bushels to the acre.

French—*Haricot*. German—*Bohne*.
Spanish—*Frijoles*.

PACKETS OF BEANS put up to sell at 5c., postpaid, contains TOO SMALL A QUANTITY. We therefore put up LIBERAL SIZED PACKETS at 10c., postpaid, preferring to PLEASE rather than DISAPPOINT customers.

Our Pint and Quart Prices Include Postage.

If to go by express at buyer's expense, deduct 15c. from quart, or 8c. from pint prices.

GREEN PODDED VARIETIES.

Extra Early Round Pod Valentine. At least 10 days earlier than Early Valentine, and usually ready to pick in 35 days after planting. Pods round, thick, fleshy, of finest quality and unequalled in uniformity of ripening; one of the most profitable sorts for gardeners. Pkt. 10c.; pint, 25c.; qt. 45c.; $\frac{1}{2}$ pk. \$1.10; pk. \$2.00; bus. \$7.50.

Livingston's Round Six Weeks. A most excellent green podded snap bean. It is not only extra early, but is a good strong grower and abundant cropper. No green podded sort approaches it in freedom from strings. A favorite with all market gardeners. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.00; pk., \$2.00; bus., \$7.50.

Burpee's New Stringless Green Pod Is the bean, which, in the opinion of many growers, is destined to replace the Valentine. Leads the Valentine by about 2 weeks in earliness; pods longer, straighter, and fully as round and fleshy. Distinguished from all other green-podded sorts by its absolute freedom from strings. POSTPAID—Pkt., 10c.; pint, 25c.; qt., 45c. BY EXPRESS— $\frac{1}{2}$ pk., \$1.10; pk., \$2.00; bus., \$7.50.

White Kidney (Royal Dwarf)—An excellent "shell bean" for use as a green bean in succotash, and one of the best for winter use. Pkt., 5c.; pint, 25c.; qt., 40c.; $\frac{1}{2}$ pk., 50c.; pk., 90c.; bus., \$3.25.

Livingston's Round Six Weeks Bean.

Refugee, or 1000 to 1—Very popular; productive; young pods tender, of fine quality, and handsome; medium to late; preferred by many to all others for pickling. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., 1.75; bus., \$6.50.

BEANS.—Other Standard Green Poded Varieties.

These prices include postage for Packet, Pint and Quart. $\frac{1}{2}$ Peck, Peck and Bushel to go by Freight or Express, the buyer to pay charges.

	Pkt.	By Mail, Postpaid. Pint.	Quart.	By Express or Freight. $\frac{1}{2}$ Peck.	Peck.	Bus.
Early White Valentine—Bean white	10	.25	.45	.80	\$1.40	\$5.00
Early Mohawk—Productive; very hardy	10	.25	.45	.90	1.75	6.00
Extra Early Refugee—Hardy; abundant bearer	10	.25	.45	.80	1.50	5.50
Long Yellow Six Weeks—A fine early string bean	10	.25	.45	.90	1.75	6.00
Best of All Dwarfs—Pods long; very fleshy	10	.25	.45	.80	1.75	6.00
Dwarf Horticultural—Speckled Cranberry	10	.25	.40	.75	1.25	4.75
Vineless Marrow—A splendid new bean for field culture	10	.25	.45	.65	1.25	3.25
White Marrow—Extensively grown; good green or dry	.05	.20	.35	.50	.85	3.25
Improved Navy or Boston Pea Bean—Very Productive	.05	.20	.35	.50	.85	3.25

DWARF LIMA BEANS

The following varieties are of true Bush or Dwarf form, growing but 18 to 20 inches high without the aid of supports. About two weeks earlier than the Climbing Limas and abundant bearers until frost. Plant in rows 2 feet apart, plants 1 foot apart in the row.

Henderson's Dwarf Lima—Grows in compact bush form, and produces large crops. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.00.

Dreer's Dwarf Lima—True bush form of Dreer's Pole Lima. Matures early; very productive; grow close together in the pod; thick, sweet, tender and succulent. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.25; pk., \$2.25; bus., \$8.50.

Burpee's Dwarf Lima—Beans as large as Large Pole Lima, strictly dwarf; come true from seed. Stout growth and always erect, BRANCHING VIGOROUSLY, bearing 50 to 200 handsome, large pods, well filled with very large beans. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.10; pk., \$2.00; bus., \$7.50.

Kumerle, or Thorburn—Pkt., 10c.; pt., 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.25; pk., \$2.25.

LARGE PACKETS—Customers write us that our packets are well filled and generally contain more seeds than others.

Rust-Proof Golden Wax Bean.

Keeney's Rustless Wax Bean.

DWARF WAX OR YELLOW POD VARIETIES.

Rust-Proof Golden Wax.

One of the best strains of Golden Wax on the market. Hardier, much more prolific, holds its pods up well, of better quality, and pods longer, straighter and thicker than the ordinary Golden Wax, and is RUST-PROOF. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.25.

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 ivory white, good size, round and very fleshy. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 85c.; pk., \$1.60; bus., \$6.00.

Golden-Eyed Wax—Hardy, early, vigorous, growing very rapidly, and yields a great profusion of tender, succulent pods of beautiful waxy appearance. Pkt., 10c.; pt., 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.25.

Scarlet Flageolet Wax—Pods large. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.90; bus., \$7.00.

Violet Flageolet Wax—PERFECTION WAX. Extra large pods. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.90; bus., \$7.00.

White Seeded Wax—Excellent snap bean. Seed pure white. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 80c.; pk., \$1.50; bus., \$5.00.

New Valentine Wax.

AN IMPROVED EXTRA EARLY VALENTINE with round beautiful waxy pods. Pods are very meaty, and no other bean has less string or less hard shell to the pod as long as it is suitable for cooking. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 80c.; pk., \$1.50; bus., \$5.00.

Yosemite Mammoth Wax—The monster pods average 10 to 14 inches in length, are nearly all solid pulp, and absolutely stringless, cooking tender and delicious; a rich golden yellow. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.25; pk., \$2.25; bus., \$8.00.

New Valentine Wax Bean.

Keeney's Rustless Wax.

The long-looked-for Bean, combining hardiness and productiveness with fine quality. A strong grower, with remarkable vigor and freedom from rust. Pods meaty and well-filled, thick-flat when young, and semi-round later; of rich yellow color, fine quality, and entirely stringless, even when large enough to shell. If pods are picked as fast as formed the plant continues to furnish a bountiful supply for an unusually long season, and is practically everbearing until frost. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.25.

Challenge Dwarf Black Wax—A distinct EXTRA EARLY WAX BEAN. Vigorous and productive. Pods large and of good color, growing uniform and well together. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.25.

Prolific German Black Wax—An improved strain of Early Black Wax, having longer, whiter, fleshier pods and being more productive. Pods are round, waxy-yellow, solid and tender. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.25.

Ferry's Golden Wax—Very early, of golden wax color; excellent quality. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.25.

Wardwell's Kidney Wax—EARLY. Vine medium, erect, hardy and productive. Pods long, broad, flat, brittle and of a delicate waxy-yellow. Beans large, kidney-shaped, white and dark markings about the eye. A first-class green snap bean, and a good one for winter. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.10; pk., \$2.00; bus., \$7.50.

New Davis Wax—Pods waxy-white, long, straight and thick. Beans clear white, kidney-shaped. Very productive. Compact upright growth. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.10; pk., \$2.00; bus., \$7.50.

FOR LIVINGSTON'S NEW PENCIL POD WAX BEANS AND JONES' NEW STRINGLESS WAX SEE NOVELTY PAGES.

POLE BEANS.

The pole or Running varieties are more tender and require more care in culture than the Dwarf or Bush varieties, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant 5 or 6 beans in a hill, about 2 inches deep, leaving space in the center for the pole. When the beans are 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 beans. 8 to 12 quarts plant an acre.

Our Quart and Pint Prices Include Postage.

If to go by Express, at buyer's expense, deduct 15c. from quart, or 8c. from pint prices quoted below.

Large Packets.

Customers write us that our packets contain more seeds than others.

Mammoth Podded Horticultural Pole Bean.

The mammoth pods are striped and splashed with exceedingly brilliant crimson, and the immense beans are of the best quality. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.20; pk., \$2.00; bus., \$7.50.

Kentucky Wonder—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 or 10 inches in length, nearly round when young, and very crisp. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$2.00; bus., \$7.50.

Lazy Wife's—Pods grow from 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked; retain their tender, rich flavor until nearly ripe; a good white shell bean for winter use. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$2.00; bus., \$7.50.

STANDARD POLE VARIETIES.

These prices include postage for Packet, Pint and Quart. $\frac{1}{4}$ Peck, Peck and Bushel to go by Freight or Express, buyer to pay charges.

White Creaseback—Extremely early; productive; long green round pod; One quality.....
White Dutch Case-Knife—Splendid to shell green or dry; an excellent corn bean.....
Speckled Cranberry—The old "Bird Egg".....
Red Speckled Cut-Short—"Corn Hill".....
Southern Prolific—Pods long, green, fleshy, crisp and excellent.....
Giant Red Wax—Yellowish-white waxen pods, fleshy and tender.....
Scarlet Runner—Clusters bright scarlet flowers.....
White Runner—White beans and blossoms.....
Yard Long or Cuban Asparagus Bean—A curiosity; dark green foliage; pods over two feet long and very abundant.....

By Mail, Postpaid. By Freight or Express.

Pkt.	Pint.	Quart.	$\frac{1}{4}$ Peck.	Peck.	Bus.
.10	.25	.45	.90	1.60	6.00
.10	.25	.45	.80	1.50	5.50
.10	.25	.45	.90	1.75	6.00
.10	.25	.45	.80	1.50	5.50
.10	.25	.45	.90	1.75	6.50
.10	.30	.50	1.20	2.00	7.50
.10	.25	.45	.80	1.50	5.50
.10	.30	.50	1.00	1.75	6.50

Packets only—10c.; 3 packets for 25c.

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.

SIEBERT'S EARLY LIMA—THE EARLIEST TRUE LIMA AND THE VERY BEST FOR MARKET GARDENERS. Very productive, hardy and vigorous. Produces pods early, and the beans are of fine quality. The green shelled 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.; $\frac{1}{2}$ pk., \$1.20; pk., \$2.00; bus., \$7.50.

Early Jersey—Beans are nearly as large and equally as good as the late sorts, but two weeks earlier. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ 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, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.75; bus., \$6.50.

Dreer's Improved (Challenger)—Beans, when green, as large as Large Lima, but thicker, sweeter and more tender. Vines very early, productive, bearing closely crowded clusters until frost. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.90; bus., \$7.00.

Extra Large White—The old favorite for home use or the market. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.50.

Early Golden....

...Cluster Wax.

The best of all Wax Pole Beans. Pods bright golden yellow, stringless, tender and of delicious flavor. Vines strong and hardy, enormously productive, and bears in clusters. Matures very early and continues bearing until frost. Beans clear waxy-white; excellent shelled green. The most profitable market Wax sort. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.20; pk., \$2.00; bus., \$7.50.

Ford's Mammoth Podded—Pods 6 to 9 inches long, produced in clusters of 5 or 6; of excellent quality for using either green or dry. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$2.00; bus., \$7.50.

Small White (Sieva)—Smaller leaves and seeds, but earlier and more hardy than the Large Lima. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 80c.; pk., \$1.50; bus., \$6.00.

SIEBERT'S EARLY LIMA.

A. J. VERNER, Pennsylvania.—"I had Siebert's Early Lima from you last year and they proved to be a fine bean."—April 14, 1899.

CROSBY'S IMPROVED EGYPTIAN BEET.

OUR LEADER.

EXTRA EARLY.

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, fine quality, and, above all, quick, 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 to presentable 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. It is 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. We have made a very fine selection of this stock for years and we believe have it nearer the original Crosby idea than any one in the trade; many samples we have tested from other houses turned out to be the ordinary Egyptian, a mixture or inferior grade of so-called "Crosby." If planted every three weeks it makes a most excellent beet for family use.

PRICE OF EXTRA CHOICE SEED OF our own growth—Pkt., 10c.; oz., 15c., $\frac{1}{2}$ lb., 35c.; lb., \$1.00, postpaid.

BROCKMAN & CO., Sebastian Co., Ark., Dec. 15, 1896. "We have found your Crosby's Egyptian Beet to be the best of any we raised last season."

J. S. DRAKE, Miami Co., Ohio. "Year before last I sent to you for Crosby's Egyptian Beet, and raised a fine lot of beets. Last year I sent to another house for the same variety of seed and I raised a very poor lot of beets."

Early Blood Turnip—The old standby. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

Edmand's Early Blood Turnip Beet.

BEET

Detroit Dark Red Beet.

Table Beets.

French—*Betterave*. Spanish—*Betteraga*.
German—*Runkle Rube*.

French—*Betterave*. Spanish—*Betteraga*. German—*Runkle Rube*. 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 and 2 inches deep. For winter use the turnip varieties may be sown as late as June. 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 and earth covering is put on insures their keeping over winter. Be careful not to bruise them in handling. One ounce of seed to 50 feet of drill. 5 to 6 pounds to the acre.

Prices
include
Postage
Prepaid
by us.

EDMAND'S EARLY BLOOD TURNIP—This beet, of American origin, is the most uniform of all Turnip Beets. The root is always smooth, round and handsome, tops small, of good marketable size, and among the best for table use. color dark red, flesh purplish-red, crisp, tender and sweet. An excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

DETROIT DARK RED—One of the best red TURNIP-SHAPED varieties. Has small, upright tops, splendid shape; color of the skin is dark blood-red, flesh deep bright red. Very crisp, tender and sweet; matures early, holds a long time in condition for use. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

DEWING'S IMPROVED BLOOD TURNIP—The leading main crop variety. Roots smooth, handsome, good size, tender and sweet. A favorite with marketmen. The seed we offer is grown from SELECTED BEETS and is unexcelled by any in the country. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

EARLY EGYPTIAN—Very early, dark blood-red, medium size, tender and sweet; used for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

ECLIPSE—A very early, handsome, smooth, dark globe-shaped beet; small top; very desirable quality. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

ARLINGTON FAVORITE—A beet of fine form, good flavor, deep blood-red colored flesh, small foliage; for general market garden cultivation hard to excel. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

HALF-LONG BLOOD-RED—Of handsome shape, fine quality, and quick growth, coming in soon after the Turnip varieties; good for winter use if planted about the middle of July. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

Bastian's Early Blood Turnip Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

Early Flat Red Bassano—Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

Long Dark BLOOD-RED
A good keeper;
excellent for winter use. Pkt., 5c.;
oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

BEETS

For Feeding Stock.

Mangel Wurzels for stock feeding cannot be over-estimated. The results from their use are wonderful, as is clearly shown in the improved health and condition of animals, the increased yield of milk in cows, and the great saving in hay. They can be raised at a very trifling cost, and yield immense crops per acre, if the soil is rich—you can hardly get it too rich—they make a heavy growth, and the rows should be at least two feet apart, and if large quantities are grown it is best to have the rows wide enough apart to use a horse in cultivation.

Five or six pounds of seed required per acre.

GOLDEN TANKARD—The best Yellow Mangel in cultivation, and should be on every farm. Flesh yellow, tops small, necks very small, roots large. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.25.

Golden Giant Intermediate—YELLOW LEVIATHAN, MAMMOTH YELLOW—Beautiful russet-yellow; remarkably even in shape; skin smooth; the flesh is white, firm and sweet; produces enormously, and is an excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.25.

Champion Yellow, or Orange Globe—Very productive, easily pulled; excellent keeper; spherical in shape; orange-yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

Red Globe—Similar to Yellow Globe, except color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

MAMMOTH LONG RED, also called **Norbitan Giant, Jumbo Mangel, Colossal**, etc.—A large, well-formed variety; blood-red color; exceedingly nutritious. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.25.

SWISS CHARD—Silver or Sea Kale Beet.

Cultivated for its leaves. The mid-rib is stewed and served as Asparagus, other portions of the leaf being used as Spinach. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

BROCCOLI.

French—Chou Broccoli.

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, close and compact. ONE OF THE MOST CERTAIN TO HEAD. Pkt., 10c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00.

BORECOLE OR KALE—See Kale.

CHICORY.

Large Rooted—Used to mix with or as a substitute for coffee. The culture is the same as for the Carrot. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

COLLARDS.

A plant of the Cabbage family. It is well adapted to the South, enduring extreme heat; very popular; excellent for greens.

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

Corn Salad, or Fetticus.

German—Lammersalat.

French—Mache.

A vegetable used as a salad. It is sown on the first opening of spring in rows one foot apart, and is fit for use in six or eight weeks from sowing. 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 the winter.

Large Leaved—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

SUGAR BEETS.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of saccharine matter; thousands of acres are planted with Sugar Beets for manufacturing sugar. They are excellent for feeding cows, improving wonderfully the quantity and also the quality of the milk.

LANE'S IMPERIAL—An excellent American variety, and well liked for stock-feeding. Large, smooth, of fine grain and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c. By Express—Lb., 30c.; 5 lbs., \$1.25.

French Red Top—Extensively grown in France. Ripens early and yields large returns in sugar per acre; heavy cropper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

VILMORIN'S IMPROVED WHITE—A medium sized White Sugar Beet brought by the most careful selection to the highest perfection, both in shape and color of roots. Greatly esteemed by sugar manufacturers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

KLEIN-WANZELBEN—Cultivated on a large scale. The root is conical, straight and even, quite large at the head and rapidly tapering. Easy to dig, a heavy yielder, and contains from 12 to 15 per cent of sugar. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

Special Prices on application for Larger Quantities of Mangels and Sugar Beets.

BRUSSELS SPROUTS.

French—Chou de Bruxelles.

German—Sprossen Kohl.

One of the most delicious of all vegetables, of easy growth, but is not so well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens, and become very tender when touched by frost; sow in May and manage as winter cabbage. In the fall break the leaves down so that the little cabbages will have more room to grow.

Best Imported Dwarf—Produces compact sprouts of finest quality; a good keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

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.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Upland Cress—This is a hardy perennial, stays green nearly the whole year, and ready for use before any other salad in the spring. Eaten like Lettuce or boiled like Spinach. It has the highly prized flavor of the Water Cress. Sow in April in rows one foot apart. Pkt., 10c.; 3 pkts. for 25c.

Water Cress—This is a well-known hardy perennial aquatic plant sold in immense quantities in our markets in the spring. It is easily grown by planting along margins of ponds and streams, where it increases both by spreading of the roots and by seeding. It has a particularly pleasant pungent taste. Pkt., 10c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

"True Blue"

EARLY JERSEY WAKEFIELD. Selected Stock.

One Ounce of Seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.

ALL HEAD EARLY (True)—A thoroughbred sort, on account of its remarkably uniform size and shape, and its reliability for heading. The deep, flat heads are solid and uniform in color as well as in shape and size. The main feature of a good cabbage is TENDERNES, and in this respect it is unsurpassed for winter use. Seed sown in July, and the plants set out about the middle of August, will bring heads, large and solid, which are sure to winter well. By reason of its compact growth and absence of loose leaves, fully one thousand more heads can be obtained to the acre than of most other varieties of good size. Set the plants 18 inches apart in rows, with 3 feet between the rows, and 9,680 plants can be set on an acre, 95 per cent. of which will make good merchantable heads. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

Early Winningstadt Cabbage.

Cabbage.

French—Choux Poennes. German—Kopf Kohl. Spanish—Repollo.

Cabbage requires deep, rich mellow soil, high manuring and good culture, in order 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 them in the open ground in April, in rows 2 feet apart, and 18 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. These may be transplanted in about four 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 Cabbage or Cauliflower 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 ground deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting of cabbage go frequently over the ground and stir every cabbage that appears to be about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent the attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air-slacked lime, or use wood ashes freely over the young plants. For the Cabbage Worm try Slug Shot. (See Insect Destroyers in back of this Catalogue.)

EARLY JERSEY WAKEFIELD—Selected Stock—Many market gardeners consider this THE VERY BEST EARLY CABBAGE in cultivation. It is certainly deserving of its great popularity, and is grown extensively for market and shipping. Its merits are many, among which may be mentioned its large size head for an early sort, small outside foliage, and uniformity in producing a crop. Heads pyramidal in shape, having a blunted or rounded peak. This is the sort mostly used for wintering over in cold frames. THE SEED WE OFFER IS FIRST-CLASS and sure to give satisfaction. Pkt., 5c.; ½ oz., 15c.; oz., 30c.; ½ lb., \$1.00; lb., \$3.50.

Very Early Etampes—The earliest of all Cabbages, except Express. Heads oblong, rounded at top, solid and firm, medium size, very fine quality. Pkt., 5c.; oz., 15c.; ½ lb., 45c.; lb., \$1.50.

EXTRA EARLY EXPRESS—EARLIEST CABBAGE IN THE WORLD. While not as large as Jersey Wakefield, it is several days earlier, and for a FIRST EARLY variety cannot be excelled. Resembles the Etampes in character and appearance, having solid, compact heads of conical form, of yellowish-green color; very dwarf and uniform; desirable as a quick forcing sort. Pkt., 5c.; ½ oz., 10c.; oz., 20c.; ½ lb., 60c.; lb., \$2.00.

LARGE WAKEFIELD, or Charleston Wakefield—A selection from Early Jersey Wakefield, only it is about a week later than that popular early variety, but grows much larger heads often averaging 15 to 18 pounds; as solid as Winningstadt. Pkt., 5c.; ½ oz., 15c.; oz., 30c.; ½ lb., \$1.00; lb., \$3.50.

HENDERSON'S EARLY SUMMER—Selected Stock—About 10 days later than the 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. In weight it is equal to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as the Wakefield. It keeps longer without bursting open than any variety we know of. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

EARLY WINNINGSTADT—THE OLD STANDBY—Well known and very popular everywhere; in season very close to the Wakefield. Heads large, decidedly conical, leaves bright, glossy-green, solid and hard, even in summer. A very sure heading variety, valuable not only for early use, but also for winter cabbage. As near worm proof as any cabbage in the list. Pkt., 5c.; oz., 15c.; ½ lb., 40c.; lb., \$1.25.

1897 "I HAVE BEEN CUTTING FINE Jersey Wakefields for two weeks. I have a block of ten thousand All-Head Early I wish you could see—it is simply immense; in another week I can take it row by row and cut every head."—Bartholomew Co., Ind., June 29.—G. RUBOTTOM.

1898 "I send you a photograph, taken June 4, of a field of 8½ acres of Jersey Wakefield and All-Head Early. Cut first Wakefield for market May 27, first All-Head June 17. Fully 95 per cent of entire field were marketable. Your seeds have given best of satisfaction all the way through."—June 20—G. RUBOTTOM.

1899 "You will please allow us to thank you kindly for your generous and fair dealings for the past 3 years. Our garden this year—25 acres—is exceptionally fine. Every variety of your seeds gave best of satisfaction. Our entire seed bills in the future are yours."—Bartholomew Co., Ind., June 6.—G. RUBOTTOM.

Burpee's Surehead Cabbage.

GENUINE BURPEE'S SURE HEAD—Is a very reliable header; large, round, flattened heads of the Flat Dutch type; a good keeper and shipper; exceedingly popular. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

Early Deep Head—An improvement over the old Fottler cabbage, and a magnificent variety. It makes a larger and thicker head, hence it is better to keep over winter, "peeling" well in the spring. The best second early cabbage we ever raised. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 75c; lb., \$2.50.

Early Dwarf Flat Dutch—An excellent second early variety, producing fine, large heads after the first early varieties have disappeared. Highly valued both for its fine quality and ability to resist heat. Heads very solid, broad and round, flattened on top; tender and fine grained. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

Livingston's Ideal Winter Cabbage.

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 the long continued selection mentioned above, all combine to make this the Ideal Cabbage for Profit. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

WM. C. WAGNER, Ray's Crossing, Ind. I have grown many strains of fine winter cabbage, but the Ideal beats them all. It forms the prettiest, stockiest plants I ever saw in any strain of cabbage before, with heads remarkably large, tender and solid. In fact, it is all anyone could wish in a fall or winter cabbage. It cannot be praised too highly.

THOMAS L. DODSON, Perry Co., O. "I can recommend your IDEAL CABBAGE very highly. I think there is none better. All the seeds got from you gave good satisfaction."

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. One of its characteristics is the fact that it is always sure to head. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$2.75.

Early Spring Cabbage. 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 at an extra early stage in its growth, making it a valuable variety for extra early market. Pkt., 10c; oz., 50c; $\frac{1}{4}$ lb., \$1.50; lb., \$4.50.

ALL SEASONS—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; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 70c; lb., \$2.25.

Chase's Excelsior—A medium early variety, following Early summer, but with heads almost double the size. It is very uniform in type, sure to head, and is exceedingly solid. Pkt. 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Louderback's All-Year Round—One of the finest Early Drum-heads now grown. Heads large, compact and solid; very short stem, is hardy, and can be sown at any time during the cabbage planting season and will head up to the satisfaction of the grower. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Filderkraut—A solid and sure heading german variety. Heads pointed conical; resembles the Winningstadt, but is larger and more pointed. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

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., 70c; lb., \$2.25.

Early Louisville Drumhead—A favorite about Cincinnati and Louisville, where it has been grown for more than forty 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; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Livingston's Premium Flat Dutch Cabbage.

Livingston's Premium Flat Dutch Cabbage.

Some 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. We are strongly convinced that we now 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. Seeds have been **GROWN ALWAYS FROM HEADS** (not from stalks after the heads were taken off) fully developed and perfect in every respect; this strain has a most vigorous constitution. For the winter market it has no superior. Heads are large and very solid; they open white, crisp and tender, and with good cultivation are 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., 55c.; lb., \$2.50; 2 lbs., \$4.50, postpaid.

BEST EVER RAISED.

Mrs. Mollie Smoot, Mo., April 11, '99—"Livingston's Premium Late Flat Dutch Cabbage is the finest I ever raised."

Bridgeport Drumhead—Very popular about Chicago, and shipped more largely than any other from that market. Pkt., 5c., oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00.

Large American Drumhead—A very superior fall and winter variety; large, solid heads. Pkt., 5c.; 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., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.25.

THE NEW LUPTON CABBAGE—A GRAND, GOOD CABBAGE. A rare combination of the second early and late sorts. Strong in constitution, perfect in type it has none of the coarseness of the late varieties, with all the fine qualities of early maturity. The stock 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 will grow more uniform, head better, and keep equally as well as the later varieties. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

Autumn King—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., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$2.25.

Large Late Flat Dutch—Grows to a large size, the flat, solid heads often weighing fifteen to twenty pounds. A sure header and a good keeper over winter; extensively grown for shipping. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.00.

Autumn King or World Beater Cabbage.

◆ ◆ SAVOY CABBAGE. ◆ ◆

The Savoy or Curley Cabbage are of much finer flavor and quality than the best of other kinds, 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, it is one of the most delicious of all vegetables.

Early Paris Savoy—Best early Savoy; heads firm, solid, beautifully crimped; finest quality. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c., $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

American Drumhead Savoy—A late Savoy and far superior to the ordinary IMPORTED Drumhead Savoy. Heads large and very finely curled; short stalk, compact grower; excellent keeper. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Marvin's Large Savoy—This distinct and most excellent variety originated with a Long Island trucker, and is the finest of the Savoy class. It is very uniform, solid, very curly and a sure header (90 to 95 per cent.) Its flavor is unsurpassed by any late cabbage. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00.

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 heart. Pkt. 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

Mammoth Rock Red—Heads as large as the Flat Dutch, deep red to the center; highly recommended. Hard as a rock. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 30c.; $\frac{1}{4}$ lb., 85c.; lb., \$2.50.

Marvin's Large Savoy Cabbage.

Mammoth Rock Red Cabbage.

CAULIFLOWER.

German—Blumen Kohl.

French—Choufleur.

Spanish—Coliflor.

The culture of Cauliflower is similar to Cabbage. 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. Set the plants 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.

One ounce gives 1500 to 2000 plants.

Livingston's Earliest.

**FINEST IN THE
WORLD.**

**Sure Header.
Select Stock.**

**Livingston's
Earliest.**

The best of all for forcing under glass. Compact grower, extremely early, sure heading, heads large, solid, and white as snow. Gardeners who have tested this fine stock invariably pronounce it the most profitable variety for either early or late planting. In short, it is an excellent all-seasons Cauliflower. Price, under our True Blue Seal—Pkt., 25c.; $\frac{1}{2}$ oz., 90c.; oz., \$3.50; $\frac{1}{4}$ lb., \$12.00.

EXTRA EARLY DWARF ERFURT—The favorite German variety. Dwarf habit, compact growth, short outside leaves; can be planted 20 inches apart. SURE HEADER. Pkt., 15c.; $\frac{1}{2}$ oz., 65c.; $\frac{1}{2}$ oz., \$1.25; oz., \$2.25; $\frac{1}{4}$ lb., \$7.50.

Veitch's Autumn Giant—The heads are beautifully white, large, compact, and being thoroughly protected by the foliage, remain longer fit for use. Pkt., 5c.; $\frac{1}{2}$ oz., 25c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.75.

HENDERSON'S EARLY SNOWBALL—One of the best types of Cauliflower on the market. If planted March 1st, large heads will be produced early in June, and scarcely a single head will fail to form. 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. OUR STOCK CANNOT BE EXCELLED IN QUALITY. Pkt., 25c.; $\frac{1}{2}$ oz., 75c.; $\frac{1}{2}$ oz., \$1.50; oz., \$2.75; $\frac{1}{4}$ lb., \$9.00.

Half Early Paris, or Nonpareil—Large, white and compact; good early or late. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.; oz., 60c.; $\frac{1}{4}$ lb., \$2.00.

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., 40c.; oz., 70c.; $\frac{1}{4}$ lb., \$2.00.

Cucumbers.

German—Gurke. French—Cucumber. Spanish—Cohombro.

quickly, sometimes from effects of over-feeding and from the use of manures that are too quick; on this account cow manure is preferred to horse manure. One ounce of seed for fifty hills. One to two pounds for an acre.

Livingston's Evergreen Pickle.

Introduced by us in 1890, now well-known the country over, catalogued by all the leading seedsmen, and generally admitted to be the best pickle sort offered, possessing every qualification required in a perfect Pickle Cucumber. 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. When ripe it is YELLOW, not WHITE, as some have mistaken it. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.; 3 lbs., \$2.00, postpaid.

LIVINGSTON'S EXTRA EARLY WHITE SPINE.

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 bill; cover half an inch deep, smoothing the hill off with the boe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to a bill. 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

LIVINGSTON'S EVERGREEN.

LIVINGSTON'S EXTRA EARLY WHITE SPINE

This Private Strain we have had for over 30 years, and is the most thoroughbred, uniform and shapely variety known, not only for first early but general crop. It 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 bearer, keeps green longer than the yellow varieties; no sort excels it in crispness and flavor. Our Southern friends will find it admirably adapted to their wants. SELECTED SEED—Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 85c.; 3 lbs., \$2.25.

JAPANESE CLIMBING—See Novelty Pages. Pkt., 5c.; oz., 10c.

Extra Early Russian—The earliest; small, hardy, productive; excellent for small pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Thorburn's Everbearing—Small, very early, productive, and valuable as a pickle. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Improved White Spine, or Arlington—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.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Extra Long, or Evergreen White Spine—Longer than the Peerless; fine quality; makes a good pickle; used quite extensively for growing under glass. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Albino—A fine white skinned sort; excellent for home use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

White Pearl (Japan White)—A beautiful pearly white; even the young fruits are a very light color; tender; crisp in taste; splendid quality for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 90c.

Improved Long Green—Long and crisp; a popular and reliable variety for pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Nichol's Medium Green—We introduced this variety to the public in 1883. Color dark green; flesh crisp and tender; medium size; always straight and smooth; a real handsome and prolific variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Chicago, or Westerfield Pickling—Popular with Chicago gardeners; medium length, slightly pointed at ends, very large, prominent spines; deep green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Peerless White Spine—ONE OF THE FINEST. Large, straight and well formed; full at both ends; productive; skin deep green, holding color until maturity. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Giant Pera—A magnificent variety of delicious flavor. Flesh white, crisp and tender at all stages. Of enormous size, frequently 18 inches in length and 10 inches around; very smooth and straight; skin free from spines. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

Bismarck—A cross between Long Green and White Spine, of desirable shape and color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Early Green Cluster—A short, prickly variety bearing clusters; prolific; fine for bottle pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Boston Pickling, or Green Prolific—its characteristics are its uniform growth, seldom yielding cucumbers too large for pickling, and its immense productiveness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Livingston's Emerald.

(Introduced by us in 1897.)

New, distinct, handsome and of excellent quality. SEE NOVELTY PAGES for Description

Early Frame, or Short Green—A popular variety of medium size. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Jersey Pickling—Intermediate between Long and Short Green, forming a long, slender, cylindrical pickle; very crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Cool and Crisp—The beautiful green color of this variety is all that can be desired. Excellent for pickling or slicing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Serpent, or Snake Cucumber—A very interesting curiosity. The cucumbers grow curled up like a snake, with the head protruding, and sometimes several feet in length; quality fair. Pkt., 10c.

Gherkins—(TRUE WEST INDIA)—Used only for pickles. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

ENGLISH FRAME OR FORCING CUCUMBERS.

Noa's Forcing—Most excellent sort; prolific. Pkt., 15c.

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

... LIVINGSTON'S HIGH GRADE CELERY SEED. ...

WHITE PLUME CELERY

CELERY.

German—Sellerie. French—Celeri. Spanish—Ayoja.

Celery Culture. Celery can be successfully grown with but little labor, in any 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 seeds in a hot-bed or cold frame, as it is apt to run to seed if started too early, but sow in the open ground as soon as it is fit to work in April, and 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. Prepare the soil well and cover the seed very shallow and firm the soil well after sowing; also keep very moist until the seed germinates. After coming up the plants should be partially shaded for a week or ten days, and see that the soil does not get too dry. When two inches high thin and transplant to three inches apart. To insure good "stocky" plants, the tops should be cut back, to within say two inches of the crown, when about four inches high.

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 truly 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 three or four inches deep. These trenches should be at least three feet apart for the dwarf, and not less than four feet for the larger sorts; set plants in single rows not over six 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. Keep well cultivated, 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 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 this upright position, more soil should be drawn to the row.

One ounce of seed produces about 2000 plants.

White Plume Celery.

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

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. We know our seed of this variety is not excelled in quality and purity. Selected White Plume—Pkt., 5c.; Large Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

FROM A CELERY GROWER.

GEO. T. ROBINSON, Talbot Co., Md., says: "I wish to add my testimonial for your White Plume Celery. I have been raising White Plume for ten years and have never seen any to equal yours in perfection of color. Also it is free from green stalks, is of good height and blanches easily. It cannot be excelled."

PINK PLUME—Practically identical with White Plume, excepting that the stalks are suffused with pink, and possessing the crispness, rich nutty flavor and long keeping qualities peculiar to red sorts. The appearance is extremely attractive, 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.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

PERLE LE GRAND—The New Perle Le Grand is handsome, stocky and robust, and its close habit is always admired. Its beautiful, full, golden heart and rich nutty flavor is unsurpassed by any other variety. It is a good early Celery, being among the first fit for use, and remains, when properly trenched, in perfect condition away into the spring. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

NEW ROSE—The red and pink celeries have been deservedly gaining in popular favor for several years, because they are harder and better keepers than the yellow and white sorts, and because of their superior flavor and crispness. New Rose combines with the above fine qualities, handsome appearance, making it an attractive ornament to the dinner table, the heart and stem being shaded to a fine rose color. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

GOLDEN ROSE CELERY.

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. It is unequalled for rich, nutty flavor. Blanches very easily and is "brittle as a pipe stem." The quickness and ease with which it is bleached is remarkable. A fine keeper, an excellent shipper, retaining color and fresh appearance as long as any other. A favorite with Southern growers. For midwinter and early spring it is excellent. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

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, and as it approaches maturity the inner stems and leaves become a beautiful waxy golden color. Grows to good size, very tender, crisp and solid, and when well grown is of excellent quality and very beautiful. Invaluable to the gardener and exceedingly popular with every planter. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

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. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; 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 quality, appearance and LARGE SIZE it is unsurpassed. ONE OF THE BEST LATE VARIETIES FOR THE MARKET GARDENER, while its fine flavor and rich color make it desirable for private use. Very hardy, and held in high esteem among gardeners. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

NEW GOLDEN ROSE (Rose Ribbed Golden Self-Blanching)—A distinct improvement on existing sorts. It is a sport from the Golden Self-Blanching, having the same rich golden-yellow color, in the main, greatly enhanced in beauty by the delicate rosy hue of the ribs. On account of this combination of color, it is called by some "Rose Ribbed Golden Self-Blanching." A strong and healthy grower, and its self-blanching character well fixed. The plant is dwarf and heavy, the stalks smooth, free from ridges, solid and crisp. Very early, on account of its self-blanching habit; a good keeper. EXQUISITE FLAVOR. BLANCHES NATURALLY. UNEQUALLED IN BEAUTY. Pkt., 10c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50.

Kalamazoo—The most perfect type of Dwarf Celery known. It is distinct, and of a beautiful cream-white color; attains large size; of quick growth; stiff, close habit, outer ribs standing straight and perfect; solid, crisp-eating and delicious. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

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., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

Giant White Solid—Large size, tall and of stiff growth; white and crisp. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

Dwarf White Solid—Dwarf, white, of stiff, close habit; solid, crisp and juicy. Keeps in good order late in the season. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Flavoring Celery (Old Seed)—Used for flavoring soups, pickles, etc. Postpaid—Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c. By Express (at buyer's expense)—Lb., 30c.; 4 lbs., \$1.00.

Celery Plants 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.

CELERIAC—Turnip-Rooted Celery.

Sow seed same way Celery seed is sown. Transplant in rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as a salad.

Apple-Shaped—An early, smooth variety. Roots shaped like an apple; good flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Giant Smooth Prague—A very large and smooth variety, free from side roots. A desirable sort for market, and an excellent keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

LIVINGSTON'S CELERY BOOK.

ILLUSTRATED.
100 PAGES.

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 twenty years. He has grown extensive crops in Canada, Michigan, Ohio and Florida. The work is fully up-to-date on all essential points and is a COMPLETE GUIDE FOR THE CELERY GROWER. Paper Cover, 40 cents. Cloth Bound, 60 cents.

The Book Free. We will give a Celery Book (paper cover) with a Cloth bound book with \$4.50 Celery order. A general order for other seeds amounting to \$4.00 secures a paper cover, or \$4.60 order the cloth bound volume. Providing customers request it at the time of ordering.

Carrot.

French—*Carotte*. German—*Moehren*.
Spanish—*Zanahoria*.

The Carrot, 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 apart; keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and your crop is lost. The seed is slow to germinate; if sown early or on moist soil half an inch is deep enough to cover the seed.

One ounce sows 150 feet of drill. 4 pounds sows an acre.

CHANTENAY—One of the best for home or market garden. Deep red flesh, fine grained and sugary make it an excellent sort for table use; stump-rooted; always smooth, very early and productive. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 55c.

Intermediate Red—Excellent new English sort. Smooth, and nearly the Danvers in size. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 55c.

Oxheart, or Guerande—Intermediate length; fully 3 to 5 inches in diameter; quality extra good. Other sorts require digging. Oxheart can be easily pulled. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 60c.

Danvers—One of the most productive and best for field culture. Tops medium; roots dark orange color, large, of medium length, tapering abruptly at the point; very uniform and handsome; flesh deep orange; sweet and tender. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 60c.

Early Scarlet Short Horn—Stump-rooted; popular for forcing and early outside sowing. Flesh deep orange, fine grained; agreeable flavor; small top. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 60c.

Nantes' Early Half-Long Scarlet—Stump-rooted; sweet, fine flavored; almost without a core; very fine grained; excellent for home garden or market. Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 20c; lb., 55c.

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; $\frac{1}{2}$ lb., 20c; lb., 50c.

BELGIAN CARROTS.

The great stock food of Europe. Enormously productive; nutritious and splendid keepers. **Large Orange Belgian**—Long White Green Top—Pkt., 5c; oz., 10c; $\frac{1}{2}$ lb., 15c; lb., 40c.

SWEET CORN.

French—*Mais*.

German—*Welschkorn*.

Spanish—*Mais*.

Ohio Grown Seed Sweet Corn is Unexcelled by either Eastern or Western Grown Stocks.

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 of July, in hills 2x3 feet for the early kinds, and 3x3 feet for the large late kinds. Some plant in drills $3\frac{1}{2}$ feet apart and 8 inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills. 8 or 10 quarts for an acre.

Kendel's Early Giant Sweet Corn. This is not a mere novelty, but is of real merit. Ears large, measuring 8 to 10 inches long, having 10 to 12 rows on each cob; kernels pure white, sweet and tender. Gardeners report this corn ready to use in 60 days grown on sand, and 72 days on heavy clay. Dealers and truckers report ready sales, and are enthusiastic over its earliness, large size and productiveness. The most popular corn we sold last season. POSTPAID—Pkt., 10c; $\frac{1}{2}$ pt., 15c; pt., 25c; qt., 40c; 2 qts., 75c. BY EXPRESS—Qt., 25c; 4 qts., 75c; pk., \$1.25; bus., \$4.50.

Extra Early Cory—One of the earliest known. Large ear, considering size of stalk, small cob well-filled with handsome grains. Pkt., 5c; pint, 20c; qt., 35c; pk., 90c; bus., \$3.00.

HANCE'S EARLY—INTRODUCED BY US IN 1895. Handsome, long, shapely ears, a small cob well filled with broad white showy kernels. Habit of growth strong, but not tall; comes into market closely after first early kinds. Pkt., 5c; pint, 20c; qt., 35c; peck, 75c; bus., \$2.75.

Extra Early Adams—Hardest and earliest corn known. It is not a Sugar Corn, but on account of its being largely sold for table use we class it among the Sugar Corns. Ear short; grain white. Pkt., 5c; pint, 20c; qt., 35c; peck, 75c; bus., \$2.75.

Early Minnesota—One of the earliest; esteemed for its excellent qualities. Pkt., 5c; pint, 20c; qt., 35c; peck, 75c; bus., \$2.75.

First-of-All—A selection from the Cory; of good quality; tender and sweet. Pkt., 5c; pint, 20c; qt., 35c; peck, 75c; bus., \$3.25.

White Cory—Identical with Extra Early Cory, except color; kernels and cob white. Pkt., 5c; pint, 20c; qt., 35c; peck, 90c; bus., \$3.00.

Early Adams—Similar to Extra Early Adams; larger, but not so early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes. Pkt., 5c; pint, 20c; qt., 35c; peck, 75c; bus., \$2.75.

Our Quart and Pint
Prices include
Postage.

If to go by Express,
at buyer's expense, deduct
15c. from quart,
or 8c. from pint prices
quoted above.

HALF-PINTS, mailed,
postpaid, 10 cts., un-
less otherwise quoted.

KENDEL'S
EARLY GIANT.

Livingston's Evergreen Sugar Corn. (White Cob)—We worked industriously fifteen seasons to produce this corn. To make a long story short, it is simply our old Livingston's Evergreen with a white cob. The new White Cob strain lacks not one of the good qualities of the older sort from which it sprung, and we believe it will be endorsed by every corn grower, whether for home use or sale in market. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.75; 2 bus. for \$5.00.

Livingston's Evergreen Sugar Corn. (Red Cob)—This variety we introduced in 1860, and it is now a general favorite with marketmen throughout the United States. It is a first-class second early corn, and can be planted here as late as the first week in July. It is very productive; has large, well filled ears, with broad kernels and very small cob, filled well over the tip; very sweet (none sweeter.) Out-sells in this market every other variety. A good cropper, grows only 6 or 7 feet high, and, maturing early, makes a very profitable food crop for hogs, milch cows and other stock when early feeding is desired and at a time when other feed is short. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.75; 2 bus. for \$5.00.

Livingston's Gold Coin

Introduced by us in 1890. Decidedly distinct. The cob is very white, completely covered with large, very deep, handsome and toothsome kernels, which, as they grow too hard to eat, take on gradually a beautiful rich yellow color. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, \$1.00; bus., \$3.50.

Livingston's Silver Coin.

First introduced by us in 1894, and all who have grown it since verify every claim made for it. It certainly excels in two very important points, productiveness and quality. It has a larger and more uniform ear than the well-known Stowell's Evergreen, is fully as early and much more productive. It is strictly an evergreen; in remaining long in edible condition it ranks with our celebrated Gold Coin, which is admitted to be the most "everlastingly evergreen" of all sweet corns. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 80c.; bus., \$3.00; 2 bus. for \$5.50.

Burlington Hybrid.

Is not a pure Sweet Corn, but in quality is better than the Adams Corns, and its size and appearance ahead of any Sweet Corn of its season. It combines extra earliness with good quality. Very productive. Has sweet corn husk. No progressive gardener should fail to grow this corn largely. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50.

Shakers' Early—A splendid market sort, ready very soon after Early Minnesota, but the ears are much larger. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.75.

Pee-and-Kay—Only a few days behind the earliest. Has an ear about the size of Evergreen. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.75.

Mammoth Sugar—Produces larger ears than any other sweet corn. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 80c.; bus., \$3.00.

STOWELL'S EVERGREEN—Choice home grown stock. A favorite with canners and market gardeners for late use. Ears large, kernels very deep, tender and sugary; very productive. Remains a long time fit for table use. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50.

Egyptian Sweet—One of the best late varieties, and very handsome. Ears large, none more uniform, and excels all in filling out perfectly at the tip end; cob and grain white; very productive. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.75.

SWEET CORN FOR FODDER.

Sow thickly in drills, or broadcast, at the rate of 2 or 3 bushels per acre. Peck, 50c.; $\frac{1}{2}$ bus., 75c.; bus., \$1.50; bag of 2 $\frac{1}{2}$ bus., \$3.00; 2 bags, \$5.50; 4 bags, \$10.00. No charge for bags.

FIELD AND POP CORN—See Farm Seed Department.

Country Gentleman Sweet Corn.

Extra Selected Stock. Medium Late. The illustration, reduced in size, is an exact reproduction of an ear of our extra selected seed, which, by careful selection and painstaking effort on our part, has developed in size and quality to a point unequalled by any other stock of this variety in the country. As a table corn this variety stands unrivalled, 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 the epicure. The ears are just the size to be attractive on the table, have very small cob, and, owing to heavy husk protection, retain their delicate tenderness beyond the usual period. Pkt., 5c.; pint, 20c.; quart, 35c. By EXPRESS—Quart, 20c.; 4 quarts, 65c.; peck, \$1.00; busbel, \$3.50.

Livingston's White Cob Evergreen.

Country Gentleman Sweet Corn.

Egg Plant.

French—*Aubergine*. German—*Eierpflanz*. Spanish—*Bereugena*.

The Egg Plant should be more generally grown, for when well grown and properly cooked it 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 the 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 the plants are two inches high, or have formed two rough leaves, transplant them in beds three or four inches apart, or what is better, prick off into two-inch pots, and later shift to four-inch size and plunge them. Keep the bed closed and very warm, shading from the direct rays of the sun, and giving 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, from two to three feet apart each way, according to the richness of the soil. When about a foot high draw the earth up to the stems. They thrive in any good garden soil, but repay liberal treatment. Care should be used in cutting the fruit so as not to disturb the roots of the plants.

LIVINGSTON'S
MAMMOTH
PURPLE
EGG PLANT

LIVINGSTON'S MAMMOTH PURPLE. (SPINELESS.) NORTHERN GROWN.

This splendid variety we obtained by very 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 kept in view 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 is a sure cropper. The plants are large, vigorous and productive. Fruit very uniform in color and shape; very large, usually seven to nine inches in diameter, but sometimes specimens are grown that measure ten inches. Skin a very handsome dark purple, smooth and glossy. Flesh white, of superb 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., 20c; oz., 35c; $\frac{1}{4}$ lb., \$1.00; lb., \$3.75.

New York Improved Large Purple—The leading variety known by marketmen everywhere; fruit large, smooth, deep purple; flesh white, good quality. The stock we offer is fine New Jersey grown. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 85c; lb., \$3.00.

Early Long Purple—Hardier and earlier than New York Purple, succeeding further north. Fruit six to nine inches long. Dark purple, good quality. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

Black Pekin—The fruit is very dark purple, almost black, nearly round, large size, smooth and glossy; flesh white, fine grained, delicate flavor; matures early. Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.

New Pearl White. The plant is a large, vigorous grower, and comparatively free from thorns. Fruit six to nine inches long, the stem; beautiful in shape, resembling somewhat the purple variety. In eating quality it is very delicious, fine grain and well flavored. Pkt., 10c; $\frac{1}{2}$ oz., 25c; oz., 40c; $\frac{1}{4}$ lb., \$1.50.

ENDIVE

sow in April, in drills fifteen inches apart, and later thin to twelve inches in the rows. It can also be sown in beds and transplanted to the 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 up 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 right 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 sows 100 feet of drill.

Ever White Curled—By far 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, so that the plants are very attractive and always bring high prices on the market. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.35.

Early Green Curled—Leaves dark green, broad and curly; tender and crisp in quality; somewhat earlier and harder than other varieties. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., lb., \$1.25.

Moss Curled—A beautiful curled variety somewhat resembling moss; dark green in color; quality fine. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.50.

Broad Leaved Batavian—Has broad, thick, slightly wrinkled leaves forming a large head which is preferred for stews and soups, but if the leaves are gathered and tied at the top the whole plant will blanch nicely and make an excellent salad. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 35c; lb., \$1.25.

Large Green Curled—(MAMMOTH)—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

LARGE-LEAF DANDELION.

EVER WHITE CURLED ENDIVE.

DANDELION.

Dandelion resembles the Endive, and is extensively cultivated for early greens; blanched, it makes a good salad. It is quite a profitable crop to grow under greenhouse benches. The roots, when dried and roasted, are often used as a substitute for coffee. Seed should be sown in May or June on warm, rich soil, in drills half an inch deep, and eighteen inches apart. Plants ready for use the following spring. 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., 60c; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

Gourds.

eties will be found besides being very ornamental and serviceable as climbers.

For Ornamental Gourds see Flower Seed List.

Dipper Gourd—Can be used for dippers, the handles being from 9 to 12 inches long, and they hold from a pint to two quarts. When grown on the ground the handles will be curved, as in the engraving, while if grown on a trellis, or a tree their weight will cause them to grow straight. Very convenient for hot liquids, as the handle does not heat through readily. Easily prepared and last for years. Pkt., 5c; oz., 25c; $\frac{1}{4}$ lb., 75c.

Hercules Club Gourd—Green fruits, 2 to 6 feet long. Pkt., 5c.

Sugar Trough, or Sap Bucket—Selected Stock—Grows to a large size, holds from 4 to 10 gallons, having hard, thick shells, which are very strong, light and durable, lasting for years. Used for a variety of purposes, such as buckets, soap and salt dishes, nest boxes, etc., and have been used for packing land. Are as easily grown as pumpkins. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 50c.

Hercules Club Gourd.

Bath Sponge, Dish Cloth or Japanese Luffa Gourd—A natural dish cloth and a most admirable one, is furnished by the peculiar lining of this fruit, which is spongy, porous, very tough, elastic and durable. Many ladies prefer this dish cloth to any other. Grows about 2 feet in length; vine is very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery shaded, dark-green foliage. In the North should be started very early in hotbeds or otherwise. Pkt., 5c; oz., 40c.

Fruit of Dish Cloth Gourd.

Sugar Trough Gourd.

Dipper Gourd.

NEST EGG GOURD—Japanese Nest Egg—Resemble a hen's egg in color, shape and size. They do not crack, are not injured by cold or wet, and make the best nest eggs. As the plant is a rapid growing climber it is very useful in covering screens, etc., being quite ornamental. We have a very pure stock of this variety to offer and can recommend it. Pkt., 5c; oz., 30c; $\frac{1}{4}$ lb., \$1.00.

THE NEST EGG GOURD

We sell one packet each of the above Gourds for only 20 cents, prepaid.

Garlic.

German—*Knoblauch*. Prepare the ground as for onions; plant bulbs in early spring, in drills 12 inches apart, 4 inches in the row, cover 2 inches deep. **Bulbs** (postpaid), oz., 5c; $\frac{1}{4}$ lb., 15c; lb., 30c. By express (not paid), lb., 30c; 3 lbs., 50c; 10 lbs., \$1.40.

Gherkins.

West India Gherkin—(True)—Also known as Jerusalem Pickle. Very small, oval, primarily variety, quite distinct from all others. Grown exclusively for pickling; smallest of all the varieties of cucumber; always pick when young and tender. Seed slow to germinate, requiring sometimes ten to twelve days. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Herbs.

Herbs in general delight in a rich, mellow soil. Sow the 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 them 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 entirely. Varieties with an are perennials.

	Pkt. oz.		Pkt. oz.
Anise	5 15	*Lavender	5 15
*Balm	5 20	*Penroyal	5 10
Bene	5 15	Pot Marigold	5 5
Bohnen Kraut	5 15	Rosemary	5 30
Borage	5 15	*Rue	5 15
*Caraway	5 10	Saffron	5 10
Catnip or Catmint	5 35	Sage-lb.	\$1.75; 4 ozs. 50c.
Coriander	5 15	Summer Savory	5 15
Cumin	5 20	Sweet Basil	5 15
Dill	5 10	Sweet Marjoram	5 15
Fennugreek	5 10	*Tarragon	5 10
*Fenel	5 10	*Winter Savory	5 20
*Henbane	5 20	*Wormwood	5 15
*Horehound	5 25		
Hyssop	5 25		

Horse Radish.

The best Horse Radish is produced from small pieces of roots four or five inches in length. These small roots will produce good Radish fit for use in one season's growth. Plant the seed 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), 5 cents each; dozen, 25c; 50 for 60c., 100 for 80c. By express (not paid), 100 for 75c.; 300 for \$2.00; 500 for \$3.00.

Prices for 1,000 and upwards given on application.

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 richest is the better the product.

Dwarf German Curled Kale.

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., 70c.

Half 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 curly hair, 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 one 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.

German Dwarf Purple—A dwarf, compact plant composed of a mass of large, finely frilled leaves of a deep purple color. Tender and of excellent quality. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

SPECIAL PRICES MADE FOR ANY LARGE QUANTITY.

Kohl Rabi.

Turnip Rooted Cabbage.

German—*Kohlrabi*. French—*Chou Rabe*. Spanish—*Calde Rabe*.

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 of fine quality. Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.75.

Early Purple Vienna—Pkt., 5c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$2.10.

Kohl Rabi.

LETTUCE

German—*Lattich Salat*.French—*Latue*.

GRAND RAPIDS LETTUCE.

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; as soon as the ground can be well worked transplant in good rich ground to rows 18 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.

One ounce of seed makes 2,500 plants.

Our Improved Hanson—None more reliable for outdoor cultivation. In ground well manured and cultivated the 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 any unpleasant bitter taste. The stock we offer is the same as that sold by us for many years, and from the fact that we never get any complaints from it we therefore judge it is unsurpassed and gives entire satisfaction. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.25.

Early White Cabbage—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.

Black-Seeded Butter—An out-door variety. Excellent in flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Golden Yellow Stonehead—A variety of great beauty. Solid heads. Good for forcing or earliest spring crop. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 35c.; lb., \$1.00.

Tennis Ball—Close, hard, well formed heads. Leaves green, thick, crisp and tender. One of the earliest, extremely hardy, and well adapted both for forcing and outdoor culture. Either White or Black Seed, each, Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Mammoth Marblehead—The largest header of any. As large as a good cabbage. Tender and free from any bitterness. Second early. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.40.

GRAND RAPIDS—While this variety is ESPECIALLY ADAPTED FOR GREENHOUSE CULTURE in winter; it is also a GOOD LETTUCE to sow outside early for FAMILY USE. It is the result of fifteen years' selection from the Black-Seeded Simpson, which is generally recognized as the standard for forcing for the home market. It is superior to and more beautiful in appearance than the Simpson. 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., 40c.; lb., \$1.25.

Tilton's White Star—A favorite with gardeners for forcing or outdoor planting; bright color, crisp, long keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.25.

Buttercup—Plant very distinct and attractive; leaves a beautiful yellow color; very sweet and tender. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.25.

NEW CELERY LETTUCE (TRIANON)—The favorite class of Lettuce in Europe are the Cos or blanching varieties, and this variety is the finest of its class. The Cos varieties are becoming more popular in this country every year. The long, narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly become snowy white. Excels all others in quality; crispness unequalled. The leaves, when blanched are stiff like celery, and can be eaten in same manner. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.25.

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. The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which curve to the center, making it impossible for the leaves to open outward and expose the center which is constantly thoroughly blanched. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.25.

ICEBERG LETTUCE.

LETTUCE.

Defiance Summer (Perpignan)—Claimed by many to be a BETTER LETTUCE THAN HANSON. It is certainly unequalled for long standing, and one of the finest large-growing cabbage varieties. It forms very large solid heads, so firm that they have to be cut open to allow the flower heads to come through when it is desired to have them go to seed. The leaves are a beautiful light green. Pkt. 5c.; oz. 15c.; $\frac{1}{2}$ lb. 40c.; 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 and of very good quality; one of the very best sorts for growing under glass, as well as for early outside planting. Fine for home market, but not so desirable for shipping as Grand Rapids. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb. 35c.; lb., \$1.00.

Silver Ball—One of the best ALL THE YEAR ROUND Lettuce. A variety of excellent qualities; good for early spring, summer or winter forcing; heads SILVER WHITE, compact, with beautifully curled leaves. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb. 40c.; lb., \$1.25c.

Big Boston—Resembles the popular Boston Market, but is nearly twice as large. A most desirable variety for forcing in cold frames, and for outdoor planting. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb. 40c.; lb., \$1.25.

Blonde Beauty (Sunset)—A new Summer Lettuce of bright golden tinge and attractive form. Resists heat; is tender, crisp, sweet and juicy when many sorts have become tough and bitter. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb. 40c.; lb., \$1.25.

New Morse—Type of Black-Seeded Simpson. Leaves closely gathered, but no heads. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb. 40c.; lb., \$1.25.

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

BLONDE BEAUTY LETTUCE.

PHILADELPHIA BUTTER LETTUCE.

CALIFORNIA CREAM BUTTER—A 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., 15c.; $\frac{1}{2}$ lb. 40c.; lb., \$1.25.

Philadelphia Butter, or Early White Head—A lettuce having thick, smooth leaves, formed into a very solid, round head; stands a long time without running to seed. The inner leaves blanch a rich yellow; quality first-class. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

CURLED SIMPSON LETTUCE.

We can also supply the following well-known Lettuces. PRICE OF EACH, postpaid—Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb. 40c.; lb., \$1.25.

Salamander,	Curled Silesia,	Eureka Bronze,	Philadelphia Dutch Butter,	Brown Curled,
Boston Curled,	Boston Curled,	Ferry's Prize Head,	Tomhannock,	Denver Market,
Boston Market,	Yellow Seeded Butter,	Oak Leaf,	Chartier,	Speckled,
				Perpetual.

LEEK.

Leeks are especially desirable for soups, and considered by many to have a better flavor than the Onion. Can be cultivated either by sowing early in the spring in a seed bed and transplanting, 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—An old standard, hardy kind; large, strong plants; broad leaves. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Large Musselberg (Carentan, or Scotch Champion)—A favorite market sort of enormous size; large, broad leaves; flavor very mild and pleasant. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.50.

LARGE MUSSELBURG LEEK.

Muskmelon.

French—Melone.

German—Melon.

Spanish—Melon.

Rose
Gems.

The ... Celebrated *Rose Gem* Muskmelon.

Named and Introduced
by us in 1896.

Called by some
"Rocky Fords,"
"Dewey Gems."

The illustration is a reproduction of a photograph of this Improved Netted Gem Melon. The shape, 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. The ORIGINAL GEM in the past 18 years has never been as popular as the ROSE GEM, which has become famous all over the U. S. in 4 years. We regard it the very best and most profitable extra early melon in existence for market gardeners and shippers. In the hands of Rocky Ford, Col., growers it has made that state famous in eastern markets for melons of unequalled quality. The beautiful green flesh is fine grained, "smooth as butter" and very sweet. Pkt., 10c.; oz., 20c.; $\frac{1}{2}$ lb., 50c.; lb., \$1.50; 3 lbs., \$3.75.

PLANTED 10 POUNDS.

J. W. Day, Crystal Springs, Miss., March 30, 1898—"I planted 10 pounds of your 'Rose Gems' last year and did not find a sport of any kind, and this is saying a good deal."

WANTS 10 TO 20 POUNDS.

A. J. Wyche, Fla.—"Can you sell me 10 to 20 pounds of your 'Rose Gem' melon seed? I planted some of them the past season and found them extra fine."

Hackensack—(Turk's Cap)—A General Crop Melon. It is round, well netted, and of large size; flesh green and thick; delicious flavor; beautiful in appearance. Very popular the country over. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 65c.

Emerald Gem—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., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

Extra Early Hackensack Melon.

It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipping, and it will keep in good condition for several days after picking. The seeds do not shake loose en route, as in many other sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 65c.; 3 lbs., \$1.75.

Joe L. Nelson, Tenn.—"I think the 'Rose Gem' is one of the best melons on the market. I would not think of planting other kinds."

Livingston's Market Melon.

Many years were spent in perfecting this decidedly distinct and beautiful melon. A most valuable characteristic is its close, strong netting. Its vigorous growth gives it great hardness and ability to withstand drouth, blight and bugs. Its beautiful shape and handsome appearance are remarked upon when placed side by side on the market bench or counter with any of the popular sorts of the day. It ripens only a few days after Early Hackensack, is more prolific, more uniform, bears longer, and the fruit is more solid; seldom bursts at blossom end; flavor and quality are all that can be desired. It is green fleshed, with small seed cavity. A valuable sort for a general crop. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 90c.; 3 lbs., \$2.40, postpaid.

Baltimore Nutmeg—Cantaloupe—(ORIGINATOR'S STOCK).—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 sweet; very productive, and NEVER BURSTS OPEN AT BLOSSOM END. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.; 3 lbs., \$1.60.

THE COLUMBUS—A GREEN FLESHED melon for general crops, and is a heavy yielder. The vines are strong and thrifty; melons, if left on the vine a week after they are ready to pick, still retain their good quality. Its beautiful buff skin is covered with a very thick whitish netting. Almost entirely free from ribs. Can be shipped long distances. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 65c.

NEW TRIUMPH—This new melon is a cross between the Columbus and the Osage, combining all the good qualities of these two excellent varieties. The beautiful ORANGE FLESH is thick and luscious; ripens to the rind; medium to large size, and beautifully netted. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 70c.

Long Island Beauty—A splendid new variety of the Hackensack type. It is of very superior quality, with green flesh and densely netted. In shape it resembles the Hackensack, but slightly more ribbed. Besides being most beautiful, it is one of the earliest of all. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 65c.

Shumway's Giant (TRUE STOCK)—Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Osage Muskmelon.

Early Green Flesh Nutmeg—THE OLDEST NUTMEG OF ALL, and one of the very best; highly scented flesh, thick, sweet and finely flavored; of good size and quite early. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

THE OSAGE—A favorite yellow fleshed variety. It is large, oval, slightly ribbed and netted; SKIN VERY DARK GREEN; flesh a deep, rich, salmon, sweet, highly flavored and delicious to the rind; it is very seldom that one of poor quality is found. The whole crop is very even and fruit extra heavy, owing to the thickness of the meat. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

Banana Melon—18 to 24 inches long. Yellow flesh, blending from bright green to rich salmon. Early. Fragrant and delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 85c.

Banana Muskmelon.

LIST OF GOOD STANDARD MUSKMELONS.

The following good varieties will be furnished at the uniform price of 5 cents per packet, 10 cts. per ounce, 20 cts. per $\frac{1}{4}$ pound and 60 cts. per pound, unless otherwise noted. Deduct 10 cents per pound from these prices if seeds are ordered sent by express or freight. 15 cents per pound may be deducted for 5 pound lots.

Champion Market—Very productive; medium size; green fleshed;

Giant Chicago Market—This fine sweet melon is very large; deep ribbed; green flesh. Largely grown for Chicago market.

Perfection (Princess)—Medium size. Dark green skin, heavily netted; flesh a rich orange color; very sweet.

Six Oaks Cantaloupe—Large and extra heavy. Green fleshed.

Jersey Belle—An improved Jennie Lind, double in size, and has all the excellent qualities of the Jennie Lind.

Black Paris—Large—10 to 15 pounds; flesh deep orange; rind black-green; distinct; quality good. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.

Early Green Fleshed Nutmeg—The old original Nutmeg.

Large Green Nutmeg—Large. Round. Green Fleshed.

Bay View—The leading oblong green fleshed melon.

Miller's Cream—Flesh a rich salmon; very sweet and melting.

The Banquet, Improved Christiana, Delmonico, Cassaba, Jennie Lind, Surprise, White Japan, Long Yellow, Reedland Giant, Skillman's Fine Netted.

MONTREAL MARKET—THE LARGEST ROUND MELON IN THE WORLD, weighing 15 lbs. and upward, (they have been grown to weigh 39 lbs.) To all who wish to grow the handsomest melons possible for exhibition, or extra large ones for market, we recommend this one. The shape is almost round; deeply ribbed; skin green and densely netted; flesh remarkably thick, light green, and of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 70c.

Winter Pineapple Melon.

Introduced into California from Cassaba, Asia Minor, by one of our customers. 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. A wonderfully long keeper. Melons seldom ripen on the vine but should be carefully picked off after first frost and stored like squashes in a dry, cool place. Bring into a warm room for a few days previous to using. If carefully handled they may be kept late in the winter. Many specimens weigh from 15 to 16 pounds. HEADQUARTERS SEED STRICTLY FIRST-CLASS. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 90c.

Our **TIP TOP** and **PAUL ROSE** MELONS are described in the Novelty Pages in the front part of this Book

Watermelon.

German—Wasser Melon. French—Melon d' Eau. Spanish—Sandia.

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

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

Livingston's Nabob Watermelon.

A NEW, DISTINCT AND BEAUTIFUL MELON.

Named and Introduced by Us in 1895.

THE BEST FOR THE HOME GARDEN.

THE BEST FOR THE MARKET GARDEN.

THE BEST FOR THE SHIPPING TRADE.

Its hardy vines are vigorous, healthy and productive, its fruit large and heavy (30 to 50 lbs.) resembles the Kolb Gem in shape and uniformity, but differing in color, being attractively and peculiarly mottled, rather than distinctly striped. The rind, though thin, is very firm. Two average-sized men have stood, bearing their weight, on a NABOB weighing 30 lbs., without cracking the rind or injuring the melon. The fruit keeps long in good condition, is not excelled in shipping qualities; seeds dark buff or dun color; flesh deepest scarlet, firm, solid, and of richest flavor. We have had it thoroughly 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.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 3 lbs., \$2.00, postpaid.

Phinney's Early Watermelon.

HOOSIER KING—Melons grow oblong. Flesh brilliant red, very solid, sweet and luscious. Skin striped light and dark green; rind very thin but EXTREMELY HARD, making it a VALUABLE SHIPPING SORT. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

JUMBO—From Georgia, the home of the Watermelon. Color of the skin is solid dark green, and the flesh a very bright red, particularly sweet, juicy and melting. It grows to a large size, sometimes 80 lbs., with plenty of them at 40 to 60 pounds. One of the best shipping sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

IMPROVED DIXIE—Beautifully striped, is surpassed by few, if any, for shipping or for table, the flesh being very red, sweet and juicy; all that can be desired in quality, flavor, etc. Will HOLD after it is ripe for several days and still retain its excellent qualities. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

COLE'S EARLY—Very hardy, a sure cropper; extremely delicate in texture of flesh, which is a dark red; rind thin, very brittle. We recommend it for home use. Medium size, nearly round; rind green, striped with lighter shades. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

FORDHOOK EARLY—Largest early melon grown. Fruit large, round; outer color medium green. Flesh bright red, of fine quality. A good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 75c.

McIVER WONDERFUL SUGAR—A large, oblong melon of handsome appearance; skin shows broad bands of white, with narrower ones of green. Its soft pink flesh is crisp, juicy, and solid to the center. Pkt., 6c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs., \$1.50.

RUBY GOLD—A new, large, long melon; flesh solid, pure golden-yellow, variegated with streaks and layers of bright pink. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PHINNEY'S EARLY WATERMELON—Few, if any, of the early sorts surpass this old favorite. It is first to ripen, of good size and productive; shape oblong; rind a distinct mottled color; the flesh is a deep red; early market melon. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

SEMINOLE—One of the best large, long Florida melons. EARLY, ENORMOUSLY PRODUCTIVE AND OF MOST DELICIOUS FLAVOR. It is of two distinct colors—gray and light green. Melons of both colors, the same in size, shape, color of seed, flavor, etc., are found on the same vine. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

MAMMOTH IRONCLAD—Immense size, handsomely marked, and oblong in shape; flesh red and very solid; the heart is large, and flavor delicious. A heavy yielder. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

FLORIDA FAVORITE—A splendid oblong melon; ten days earlier than Kolb's Gem; red flesh, of the finest flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs. for \$1.50, postpaid.

KOLB'S GEM—Flesh bright red and of good flavor. It is one of the largest (30 to 50 lbs.), most productive and best keeping melons grown. OUR STOCK CANNOT BE SURPASSED. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; 3 lbs. for \$1.25, postpaid.

THE JONES—Outside color, solid green. Flesh bright red, sweet juicy and melting. Large size; resembles Kolb's Gem in shape, and splendid shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

GREEN AND GOLD—Golden-orange fleshed variety of good size (25 to 30 lbs.); early; productive; flesh juicy, very sweet and of delicious flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

McIver Wonderful Sugar Watermelon.

True Ice Cream Watermelon.

THE GREAT HOME MARKET MELON

This OLD STAND-BY is our best general cropper for the home market; it has too thin a rind for shipping unless packed in straw. We have sold it for many years to our most extensive Scioto Valley melon growers, for whom it brings the highest prices, and meets with ready sale regardless of other varieties that may be on the market, 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. Medium early, fruit oblong, large size; rind light mottled green; flesh bright scarlet, solid to the center, melting and delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 3 lbs. for \$2.00, postpaid.

Preserving Citron—Red seed; used for sweetmeats and preserves; flesh solid and white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Colorado Preserving—Larger than the Common Citron, weighing 25 to 40 lbs.; flesh very solid, and makes very clear, transparent preserves of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Mountain Sweet—One of the oldest and best known; skin deep green; large; rind thin; flesh deep scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Sweet Heart Watermelon.

This new melon is early, large, handsome, heavy and productive. The shape is oval, and color mottled light to very light green. Flesh bright red, solid, but tender and very sweet. We have a very fine stock grown from selected stock seed procured from the originator, hence it is as pure and true as the original. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

Ferry's Peerless—One of the best for home gardens and market gardeners who deliver direct to customers. Medium size, flesh red; white seed; quality first-class. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

We can supply the following well-known varieties of Watermelon at the uniform price—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

White Gem,	Red Vacluse,	Dark Icing,
Stokes' Early,	Pride of Georgia,	The Boss,
Cannon Ball,	The Gragg,	Light Icing,
Cuban Queen,	Vick's Early,	Delaware,
Gray Monarch,	Orange,	Christmas,
Georgia Rattlesnake,		Black Spanish.

MUSHROOMS.

One of the most profitable crops for the outlay 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 pasture procure good rich soil and store it away. To every hushel of this soil add two hushels of fresh horse manure. Of this well mixed compound prepare a bed, say four feet wide. Put down a thin layer and pound it down hard, and go on until you have a bed 12 or 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 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 six or eight weeks you may expect Mushrooms. The beds will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil, moistened 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 2x6 feet. We would advise Mushroom growers, especially beginners, to get a book on the subject, written in full by an experienced grower, such as "FALCONER'S MUSHROOMS AND HOW TO GROW THEM." \$1.50, postpaid by us. We import our Spawn from the best makers in England.

English Mushroom Spawn—By mail, postpaid—Per Brick, 3 c.; 5 lbs. for \$1.25. By Express, at buyer's expense, 10 lbs. for \$1.00; 25 lbs. for \$2.40; 50 lbs. at 9c. per pound; 100 lbs. or over at 8c. per pound.

French Mushroom Spawn—Put up in hoxes of 2 lbs. each. Price, per box, 75c.; by mail, \$1.00; the same loose, per lb., 35c.; by mail, 45c.

MUSTARD.

German—Sinf.
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 Grass.

SOUTHERN GIANT CURLED—This is very highly esteemed in the South where the seed is blown in the plant and seeds very early in spring as a salad. Seed is brown; produces plants two feet high; forms enormous bunches. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

WHITE ENGLISH—The leaves are light green, mild and tender when young; seed, light yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

BROWN OR BLACK MUSTARD—More pungent in flavor than the White. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

NEW CHINESE—A giant curled variety with leaves double the size of the ordinary. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

MARTYNIA.

A hardy annual plant, the seed pods of which, if picked when green and tender, make excellent pickles. Plant in May in the open ground, about three feet apart each way, leaving but one plant in the hill.

PROBOSCIDEA—Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

E. W. Bonar, Marshall Co., W. Va.—"FOR FIFTEEN YEARS we have been using Livingston's Seeds, and as yet have never drawn a blank."

John S. Lester, Woodstock, Conn.—"Your Extra Early White Spinach Cucumber, Crosby's Egyptian Beet, Cincinnati Radish and Tip Top Melon cannot be beaten. I have the market entirely to myself."

Onions...

German—Zwiebel. French—Oignon.
Spanish—Cebolla.

The Seed we offer is all
Fresh Tested Stock.

Large Yellow Globe.

Large Red Globe.

Large White Globe.

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 their 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 is sure to produce an abundance of well-shaped bulbs, free from scallions 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.

Free to Customers, (10 CENTS TO OTHERS.) On application **HOW TO GROW ONIONS** both by the ordinary method as well as by the New Transplanting System.

Extra Early Flat Red—A good medium sized variety, very uniform in shape; smaller than Red Wethersfield, but two weeks earlier; an abundant producer; good keeper; very desirable for early market, and good where seasons are short, on account of its rapid growth. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.10.

EARLY RED GLOBE (Danver)—A very handsome variety. It matures very early, grows to a good medium size, and keeps well; skin deep red; flesh fine grained; flavor mild; tender. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

WHITE PORTUGAL, OR SILVERSKIN—Ripens early; of large size, mild in flavor, and excellent for winter use; much esteemed for pickling when small, and grows a HANDSOME BIG ONION. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.25.

LARGE WHITE GLOBE—By careful selection and cultivation we have developed this handsomest of all white varieties until it is second to none as a good keeper. Yields abundantly, producing very handsome, large, pure white globe-shaped bulbs; flesh firm, fine grained, of mild flavor, and is in many respects superior to ordinary Silverskin. Pkt., 5c., oz., 20c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

LARGE RED WETHERSFIELD—FOR GENERAL PURPOSES the country over, no red variety is so largely grown. Large sized, somewhat flattened; skin deep purplish red. It is one of the best keepers. We have grown it on various soils for over 36 years, and cannot recommend it too highly as a general cropper and a variety that will do well anywhere that large onions can be grown. It yields enormous crops when the conditions are favorable. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35.

Culture.

Onion Seed should be sown as soon as possible in the spring, even if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds and before dry weather sets in. After the soil has been thoroughly pulverized, sow thinly, 4 to 5 pounds to the acre, in drills one foot apart and about $\frac{1}{4}$ of an inch deep, in strong land, well manured. When well started, say four inches high, thin out to stand three or four inches apart in the drills, keeping them well hoed and free from weeds.

Onions delight in strong, rich, deep, loamy soil, and succeed well if grown for a succession of years on the same ground. To get heavy crops of finest shape 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.

SELECT YELLOW DANVERS GLOBE—EXTENSIVELY GROWN AS A MAIN CROP in many sections of the country. It is a beautiful golden color; bulb of medium size, quite early, bottom nearly flat, oval top, with small neck; very prolific, and a first-class keeper and shipper. The strain we offer of this popular variety can be excelled only by our OHIO YELLOW GLOBE. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35.

LARGE YELLOW GLOBE (Southport)—Very large, fine color; keeps well. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

LARGE RED GLOBE (Southport)—Large and distinct in form, being nearly globular. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

YELLOW DANVERS FLAT—A splendid onion for either market or home use; flatter than the Globe Danvers. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.

LARGE YELLOW DUTCH—The well-known flat, bright, yellow onion; a good keeper; larger than Danvers. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.15.

Philadelphia Yellow Strasburg—A splendid yellow variety of fair size, and the best yellow for growing a BRIGHT, ROUND, PLUMP SET. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.20.

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., 70c.; lb., \$2.25.

HENRY MILLER, Cayuga, Co., N. Y.—"This I will say for your seeds: I never had a finer or larger crop of Onions in my life than I had last year. Seemed as though every seed came. They are rightly named TRUE BLUE SEEDS."

Mammoth Silver King. Of attractive shape, with silvery-white skin, and flesh of a most agreeable mild flavor. It matures quite early and reaches a much larger size than any other of the flat varieties, frequently measuring twenty inches in circumference, and weighing from three to five pounds when well grown. They MUST BE SOWN THINLY to produce large onions. We have sold this onion for ten years, and do not hesitate to recommend it as one sure to please the grower. True American Grown Seed. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{2}$ lb., 60c.; lb., \$2.25.

Prize-Taker. This is the large, beautiful Spanish variety sold in the fruit stores and in the markets of all the large cities. They are of ENORMOUS SIZE, averaging from 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, sell readily at advanced prices. True American Grown Seed. Pkt., 5c.; oz., 20c.; 2 ozs., 30c.; $\frac{1}{2}$ lb., 50c.; lb., \$1.70.

FRANK SANFORD, Madison Co., Ohio, writes: "Prize-Taker seed I got of you is growing fine. I think every seed was good."

**OHIO
YELLOW GLOBE
ONION.**

SPECIAL PRICES

on Onion Seed in any quantity over what is here quoted will be promptly given ON APPLICATION

We Offer Special Inducements

to those wanting a SEED DRILL OR CULTIVATOR in connection with Onion Seed.

We supply Seed to many of the Largest Growers in the United States.
WRITE US—IT MAY PAY YOU BIG.

Ohio Yellow Globe Onion.

LIVINGSTON'S EXTRA SELECTED STOCK.

Generally admitted by seedsmen and onion growers everywhere to be the most desirable strain of perfect type Globe-Shaped Onion 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 of 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 bns. (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., 15c.; 2 ozs., 25c.; $\frac{1}{2}$ lb., 45c.; lb., \$1.60.

HARVESTED 1750 BUSHELS.

M. WHITFORD, Noble Co., Ind.—"I have grown onions from your seeds for the past 8 or 9 years and find them the most perfect of any that I have ever tried, without any exception. They are true to name and strictly pure. I bought from you last spring 3 lbs. Red Wethersfield, 3 lbs. Large White Globe and 3 lbs. of some other kind (12 lbs. in all.) Set my drill for 4 lbs. to the acre, and harvested 1750 bushels. Did not have one peck of scullions in the lot. Expect to purchase 25 lbs. next spring."

JOHN W. HENRIE, Clay Co., Mo.—"The Ohio Globe Onion Seed I bought of you has proven to be the best I ever raised onions from, and no one need be afraid to try them."

Sheldon Bros.,
Kalamazoo Co.,
Mich., Jan. '99.
—"What is best price you can quote us on your Ohio Yellow Globe Onion Seed. It cannot be beat, and certainly is not equalled."

Spanish and Italian Onions.

Extra Early Barletta.

The following varieties have been tested in all sections of the United States and have given good satisfaction. We recommend them as very desirable for summer and autumn markets, because they generally command ready sales at good prices, especially when grown by transplanting. They are also valuable for the family garden. Large quantities are grown South and shipped to northern markets, but as they are not good winter keepers we advise growers North, who have not tested them,

to rely chiefly on American Onions for their main crop. All Spanish and Italian varieties are sweet and mild flavored, more so than the American onions, and of very rapid growth.

EXTRA EARLY BARLETTA—very earliest onion in cultivation. When matured the tops die down, leaving beautiful and perfect little bulbs. Pure white, mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.25.

NEAPOLITAN MAGGIAJOLA—(Italian May Onion)—A large, flat, beautiful, silver-white skinned variety; one of the earliest of all. 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 the seed can be sown in autumn, and large onions gathered in March. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

MAMMOTH POMPEII—(Red Garganus, Copper King)—A very fine variety. It has produced onions weighing four or five pounds each. The skin is a delicate red, flesh close grained and nearly white, and of very mild flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Spanish King—Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

White Queen—A pure white, small flat onion, 1 to 2 in. in diameter. Sown in early spring will ripen in July. Very mild flavored; excellent for pickling. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Red Victoria—Has a distinct oval shape; can be grown to weigh 2 to 4 lbs. Skin dark red, flesh white or rose colored, mild and sweet. A good keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.80.

Extra Early Pearl Onion.

EXTRA EARLY PEARL—("Silver White Etina," "Blossomsdale")—A very fine and very early variety. The bulbs, when grown, are large, round, flattened, with a delicate pure white skin; flesh very mild in flavor. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.25.

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. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

White Victoria—A beautiful, large, round variety with silver-white skin, but sometimes of a delicate light rose-color. Juicy, sweet and milky white. A good keeper. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.85.

ROUND WHITE SILVER SKIN—The best pickling onions ever introduced. Uniformly small, round and handsome, with an 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. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.85.

Round White Silver Skin.

Bermuda Island Onions.

BERMUDA ISLAND RED—Genuine Imported direct from Tenerife.—A 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.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.15.

Bermuda Island White—Mild flavored; white in color; otherwise same as red. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.15.

Onion Sets. For Prices see below.

Bottom Sets are produced by sowing the seed very thickly (40 to 60 pounds to the acre) as early as the ground can be worked in the spring, in beds or broad drills, and not thinning out. About the middle of July, or whenever the tops die down, usually when about half an inch in diameter, they are pulled and allowed to remain on the ground a day or two, when the tops should be wrung off by hand, put into shallow trays or spread thinly in a dry place. Sets should be planted out as early in the spring as the ground is dry enough to work, in rows one foot apart, with sets two inches apart; the onions can be used in the green state in June and will ripen in July.

TOP SETS, OR BUTTONS—"Toppys"—These produce the small clusters on the top of the stem, whose 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.

Winter Egyptian, or Perennial Tree—When once set out it grows for years without protection or care, except in keeping down the weeds. It starts so early in the spring that it is ready for use a long time before any other onions can be had. It is mild-flavored, sweet and tender. They form no large bulbs, but divide and grow as many as fifteen or twenty small onions in a bunch. Desirable for family use, and very profitable for market gardeners.

POTATO ONIONS—Esteemed by many as the best for early use; large size, mild, sweet flavored, very early, and large producers; the small bulbs are planted in the spring and increase in size, and the parent bulb, planted in the fall and spring, produce a quantity of small bulbs in a cluster, growing mostly on the top of the ground.

WHITE MULTIPLIERS—Are a pure silvery-white color, enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching greens, and for ripening for use as pickling onions. Their keeping qualities are remarkable, but their most important quality is their extreme earliness, being ready for market three to four weeks ahead of other onion sets.

ONION SET PRICES—Prices are based on the present market rates and are subject to 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 small or large quantities will be given on application at any time. At bushel, peck and half-peck prices the buyer pays the express or freight; at pint and quart prices we pay the postage.

	Pack.	Quart.	$\frac{1}{2}$ Peck.	Peck.	Bushel.
Potato Onions.....	15c.	25c.	60c.	75c.	\$2.50
White Multiplier.....	15c.	30c.	60c.	90c.	3.25
Top Sets, or Buttons.....	15c.	25c.	60c.	75c.	2.50
White Bottom Sets.....	15c.	25c.	60c.	75c.	2.50
Yellow Bottom Sets.....	15c.	25c.	40c.	65c.	2.25
Red Bottom Sets.....	15c.	25c.	45c.	75c.	2.50
Egyptian Winter Sets.....	15c.	25c.	25c.	40c.	1.25

Bottom Sets and Potato Onions are sold by measure. White Multiplier, Button and Egyptian, by weight 28 pounds for a bushel.

If you want larger lots than quoted above, write us, and we will make you LOWEST MARKET PRICE at the time, for choice stock. We handle sets in large quantities.

Okra, or Gumbo.

One of the most wholesome 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 one foot. Make early and late sowings to secure supply throughout the season. No trouble to grow in any good garden soil.

White Velvet—Decidedly the best variety. Distinct in appearance; unlike other varieties, pods are not ridged, but perfectly round, smooth, and attractive white velvety appearance, of superior flavor and tenderness. Comparatively dwarf, of compact, branching growth; the extra large pods are produced in great abundance. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

White Velvet Okra.

Peppers.

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

Mammoth Ruby King.

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 is passed, and the weather has become settled and the soil warm, and transplant 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—Entitled to head the list. Of immense size and the mildest of all varieties. Ordinarily they grow four to six inches long, by three to four inches thick. When ripe they are of a beautiful, bright RUBY RED COLOR, and are always remarkably mild and pleasant to taste. They can even be sliced and eaten with pepper and vinegar (like tomatoes or cucumbers), and make a very pleasant and appetizing salad. The plant is of sturdy, bushy habit, and each plant produces from six to twelve handsome fruits. They should not be grown near the hot varieties or they will partake of their fiery nature. Choice Seed—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.25.

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 equals it in depth, purity and brilliancy of color. It is worthy of cultivation for its beauty alone. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 65c.; lb., \$2.50.

Golden Queen—This is a very beautiful and a large variety. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.75.

Cardinal Pepper.

Kaleidoscope—A novel and beautiful pepper; are of a light yellowish cream color. 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 six or eight distinct colors, is an object of great beauty. Its flavor is clear and sharp. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

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.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.

County Fair—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.

Procopp's Giant—This new variety is the "Goliath" of the pepper family. They grow uniformly to a very large size, of brilliant scarlet color, and in flavor just hot enough to be pleasant. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.

Celestial—A most useful Pepper and one of the most beautiful plants in existence. The pods are upright, conical in shape, and of a delicate creamy yellow, and when fully grown change to a vivid scarlet. Peppers two to three inches long, sharp flavor and superior for any of the uses to which pepper can be put. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

Orange Mammoth Sweet—A very large yellow sort, of fine shape, mild and excellent for manges. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; ½ lb., \$1.00.

Golden Dawn—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.25.

Large Bell, or Bull's Nose—An early variety of mild flavor; round thick and fleshy. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.25.

Large Sweet Mountain—Very large and excellent for manges. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.25.

Cayenne—For making Cayenne Pepper Sauce. Small; pungent; used more than any other for making pepper sauce. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

Long Red—Four inches long and an inch or more in diameter; flesh thick and pungent. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.25.

Squash, or Tomato Shape—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.

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 and pungent peppers. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.

Cherry Red—Fruit small, round, coral rich scarlet; very hot. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

Red Chili—For making Pepper Sauce, "hot as fire," small and prolific. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

Coral 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.; ½ oz., 15c.; oz., 25c.; ½ lb., \$1.00.

Sweet Spanish—One of the largest and earliest varieties; flesh is sweet and mild. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.50.

Glant Yellow King Mango—New Golden Pepper, an exact counterpart, except in color, of the famous Ruby King Pepper, which has so steadily gained in popular favor the past ten years. The beautiful healthy plants bear large, handsome fruits, of a most attractive, bright yellow. The flavor is unsurpassed, exquisitely mild and pleasant. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ½ lb., 75c.; lb., \$2.75.

Kaleidoscope Pepper.

This variety is a very great improvement on the ordinary Long Red Cayenne. It is of about the same length, but is much thicker, and has 2 or 3 times as much meat, averaging about 1 inch in diameter at the stem end. It is grown by the Columbus Gardeners exclusively. Exceedingly prolific, very pungent and particularly handsome in appearance. Pkt., 10c.; oz., 20c.; ½ lb., 60c.; lb., \$2.00.

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 and potatoes, and may be planted with success in fields by themselves, in May or early June, in hills eight feet apart each way. One ounce for fifteen hills; one pound for an acre.

MAMMOTH POTIRON PUMPKIN.

Mammoth Etampes Bright Red—This giant variety grows to enormous size; a bright glossy red; for stock and exhibition purposes. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

GENUINE MAMMOTH, OR TRUE POTIRON—Also called King of Mammoths, Large Yellow Mammoth, Mammoth \$50 Pumpkin, Jumbo Pumpkin. Form like an immense Nutmeg Melon with depressed ends, slightly ribbed and grows to immense size—sometimes 3 feet or more in diameter. Skin salmon colored; flesh bright yellow, fine grained; good quality. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

Large Common Yellow Field (Yankee Cow Pumpkin, Connecticut Field)—HARDEST OF ALL PUMPKINS; good for pies and stock feeding. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

Tennessee Sweet Potato—Excellent for pies; pear shaped; medium size; flesh and skin creamy white; fine grained; sweet and delicious; a first-rate keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

Large Sweet or Pie—Not so flat as Cheese, larger, very heavy, thick meat and sweet. More generally grown in Ohio than any other, both for feeding stock and table use. Skin dark orange, sometimes mottled with green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Large Sweet Cheese—Fine for pies; productive; flesh yellow; sweet; keeps well into winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Mammoth Tours—Of immense size, often weighing 100 pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Black Sugar (Negro or Nantucket Pie)—A good "Pumpkin Pie" Pumpkin. Oblong in shape; skin very dark green, almost black; flesh orange color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

Small Sugar—Very prolific; 8 inches in diameter; deep orange yellow; fine grained; keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Golden Oblong—Outer color a rich golden-orange; almost as good a keeper for winter as the hard-shell squashes; flesh yellow, very rich, and fine quality; pronounced by lovers of pumpkin pies the VERY BEST. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Japanese Pie—Crock-necked variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples, and makes excellent pies or sauce for winter use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

PARSNIP.

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

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 over winter, securing enough in pits or the cellar for immediate use. One ounce to 200 feet of drill, 5 or 6 pounds for an acre.

LARGE SUGAR OR HOLLOW CROWN (Improved Guernsey)—The best variety in cultivation for general use; roots intermediate in length, white, smooth, sugary; excellent flavor; easily harvested. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Long White Dutch—Roots very long and smooth; hardy and keeps through winter without protection. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Maltese Half-Long—Shorter than Hollow Crown; better for shallow ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Zimper's Long White—Handsomest long white sweet Parsnip on the market. Very smooth and attractive. For fuller description see Novelty List. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

PARSLEY.

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

CHAMPION MOSS CURLED—Beautifully crimped and curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

PLAIN—The leaves are plain; it is harder than the curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

EXTRA CURLED EMERALD—Distinct from other varieties, being a lighter shade of green. The plant is dwarf, with leaves finely cut and curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

FERN LEAVED—Very beautiful; more like crested fern or moss than Parsley; grand for table decoration. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

HAMBURG, OR TURNIP-ROOTED—A fleshy rooted kind; the roots are used for flavoring soups. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Parsley is used for seasoning soups, meats, etc., for salads and garnishing, also for an ornamental border for the flower garden; succeeds best in a rich, mellow soil. As seeds germinate very slowly, 3 or 4 weeks sometimes elapse before it makes its appearance; it should be sown early in the spring in rows one foot apart; sow 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.

One ounce for 150 feet of drill.

FINE DOUBLE CURLED—A fine dwarf variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

PEAS.

Peas mature earlier 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; 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 one 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 $2\frac{1}{2}$ to $3\frac{1}{2}$ feet apart, according to variety, soil and manner of culture desired. When grown in gardens it is best to sow in double rows, six to eight 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 hard 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 of drill. Two or three bushels to the acre.

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.; pt., 25c.; qt., 45c.; pk., \$1.50; bus., \$5.00.

GREGORY'S NEW SURPRISE PEA.

German—Erbs. French—Pois. Spanish—Guisante.

WE PAY THE POSTAGE.

At prices quoted on Quarts, Pints and Packets. If to go by Express, at buyer's expense, 15 cts. from quart, or 8 cts. from pint prices, may be deducted.

Juno Pea

The Juno is one of the best main crop Wrinkled Peas of its class. It has a stout, robust vine and STRAIGHT, heavy, square pods, usually borne in pairs. The pods are very thick, broad-backed and

filled from the stem to the tips with seven to nine sweet, delicious, DARK GREEN peas of immense size; height, two feet; season from medium early to main crop. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

THE ADMIRAL—A valuable second early variety, both for market and family use. Its vigorous vines are about 3 feet high, and abundant bearers of well filled pods of bright green peas of most excellent quality. A favorite with canners, on account of productiveness and bright green color. Pkt., 10c.; pt., 20c.; qt., 35c.; pk., \$1.00; bus., \$3.50.

IMPROVED STRATAGEM—Half-dwarf; green wrinkled; vigorous, branching habit; an enormous cropper. Pods long, filled with from 7 to 9 EXTRA LARGE PEAS OF EXTRA FINE QUALITY; season MEDIUM LATE. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

WILLIAM HURST—It is one of the hardest, most prolific, and best varieties of first early dwarf wrinkled peas we have ever seen; it is ready for the table as early as the AMERICAN WONDER, and IS MUCH MORE PRODUCTIVE; grows stocky, 8 to 12 inches high. The pods are well filled with large peas, each pod containing 6 to 8, so closely packed that the peas are flattened against each other. Best quality. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

ALASKA—THIS BEAUTIFUL BLUE market pea has become a standard variety, and is the EARLIEST OF ALL BLUE PEAS. $\frac{1}{2}$ J inches high; very uniform in maturing the crop; of excellent quality, and retains its desirable color after cooking. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.25; bus., \$4.50.

FRENCH CANNER—A very productive variety grown for the small dark green peas commonly known as "French Peas." Good flavor and tender when young, but of poor quality when they begin to harden. Pkt., 10c.; pt., 20c.; qt., 35c.; pk., 75c.; bus., \$2.50.

NEW SURPRISE PEA. Extra Early Wrinkled. Gardeners have long wanted a Wrinkled Pea which would come into market as soon as the extra early smooth kinds. They have it in the "NEW SURPRISE." It is "as early as the earliest of the hard peas, and as heavy a cropper, while it has that peculiar sweetness which belongs to the wrinkled sorts." For four years in succession second crops have matured on the same ground from which the first was planted, the second in each case from the seed of the first. It is the result of a cross between Earliest of All and American Wonder; has the hardness of the first, and the quality of the latter. Vines 24 inches high and need no brushing. Pods well filled, containing six or seven peas. The plants should stand about 24 inches apart in the drills. Pkt., 10c.; pt., 30c.; qt., 50c.; $\frac{1}{2}$ pk., 80c.; pk., \$1.50; bus., \$5.00.

Rev. J. Reynard Lawrence, North Egremont, Mass. "THE SURPRISE PEA is immense. It is the best Early Pea. You cannot recommend it too highly."

Editor of the New England Farmer, writes: "Of thirty-three varieties on trial, SURPRISE was the first to pick and the first to dry down."

PACKETS OF PEAS OR BEANS ARE HEAVY and the packets put up by some seedsmen to sell at 5c., postpaid, contain TOO SMALL A QUANTITY FOR ANY FAMILY. We therefore put up LIBERAL SIZED PACKETS at 10c., postpaid. We prefer TO PLEASE our customers rather than DISAPPOINT them.

LIVINGSTON'S FIRST IN MARKET PEAS.

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 GARDENER and SHIPPER because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from the 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 looking into the REAL EARLY pea subject and testing the various "strains" and "brands" on the market for years, until we are convinced, as well as our customers who have given them a trial, that FIRST IN MARKET leads all. PRICE BY MAIL (postpaid,) pkt., 10c.; pt., 20c.; qt., 40c.; 2 qt., 75c. BY EXPRESS OR FREIGHT (not paid,) 4 qts., 65c.; pk., \$1.20; bus., \$4.00.

NOTT'S EXCELSIOR—This is a fine new EXTRA EARLY DWARF GREEN WRINKLED PEA. In earliness it equals American Wonder; in height, about 15 inches; in quality equal to Premium Gem, and as a cropper it excels either. A great yielder, because it can be planted so much closer than tall growing sorts. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

AMERICAN WONDER—THE LEADING DWARF 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, well-filled pods, fairly packed with the finest flavored peas. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.25; bus., \$5.00.

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.; pt., 25c.; qt., 40c.; pk., \$1.10; bus., \$4.00.

Dwarf Tom Thumb—Dwarf, about nine inches tall; matures about the time of American Wonder. Can be planted very close. Pkt., 10c.; pt., 25c.; qt., 40c.; pk., \$1.25; bus., \$4.25.

McLean's Little Gem—A gem indeed. Dwarf green wrinkled variety, 12 to 14 inches high; prolific; VERY SUPERIOR FLAVOR. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.00; bus., \$3.75.

McLean's Advancer—About the best second early. Green, wrinkled; 2½ feet high; long pods, abundantly produced and well filled. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.00; bus., \$3.50.

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.; pt., 20c.; qt., 35c.; pk., 9c.; bus., \$3.25.

THE TELEPHONE PEA—No pea to-day, of its class, is more meritorious or deservedly popular than the Telephone. Green wrinkled; height 3½ feet; productive; pods unusually large, elegant shape, slightly curved, and well filled with peas of large size and most excellent quality and flavor. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

Nott's
Excelsior.

SHROPSHIRE
HERO.

TWO OF OUR BEST SELLING PEAS

SHROPSHIRE HERO—One of the most valuable new peas of recent years. It is a **SECOND EARLY, LARGE, WRINKLED** pea, a robust grower like **STRATAGEM**, two or three feet in height, producing its large pods in abundance. Pods very large and extra well filled, averaging **SEVEN** and often contains **EIGHT OR TEN FINE LARGE PEAS** of exquisite flavor. Pkt., 10c.; $\frac{1}{2}$ pt., 15c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

HEROINE—Is a medium early green wrinkled pea, grows uniformly two to two and one-half feet high, and bears a profusion of large, long, slightly curved pointed pods, containing 9 to 10 large peas of finest quality. Destined to become a great favorite for market purposes. An immense cropper, yields double the quantity ordinary varieties do. Pkt., 10c.; $\frac{1}{2}$ pt., 15c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.00.

NEW
PEA
HEROINE

Everbearing—A variety maturing soon after the Premium Gem, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large, cook quickly, and very tender; superior flavor. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.00; bus., \$3.75.

Horsford's Market Garden—A **PINE SECOND-EARLY** FOR FAMILY GARDENS. Vines two feet high and very regular. Most prolific bearer, pods medium size, numerous and well filled with peas of finest flavor. A green wrinkled variety which is fast coming into general favor. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., 90c.; bus., \$3.50.

White Marrowfat—One of the oldest varieties in cultivation, about four feet high, and well filled with very large pods. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 60c.; bus., \$2.25.

Black-Eyed Marrowfat—Similar to White Marrowfat but has a dark eye. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 75c.; bus., \$2.50.

Pride of the Market—Has a stiff vine of medium height, bears a crop of large dark green pods well filled with large peas of good flavor; season **MEDIUM**. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

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.

Melting Sugar—This new 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 and tender. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.50; bus., \$5.00.

Dwarf Sugar—(**GRAY SEEDED**)—Grows about two feet high; productive; seeds large and shriveled. Pkt., 5c.; pt., 20c.; qt., 40c.

Tall Sugar—Tall, productive. Pkt., 5c.; pt., 20c.; qt., 35c.

ABUNDANCE—One of the **VERY BEST** and **MOST SATISFACTORY** second early peas for general purposes. It is half dwarf; 15 to 18 inches high; pods large, containing six to eight wrinkled peas of **EXCELLENT** QUALITY. Sow seed thin, as it has a remarkable tendency to branch. Pkt., 10c.; pt., 20c.; qt., 40c.; pk., \$1.00; bus., \$3.75.

FIELD AND COW PEAS—See Farm Seed Department.

RHUBARB, OR PIE PLANT.

German—*Rhubarb*. 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 about 600 plants.

Victoria—Pkt. 5c.; oz. 15c.; $\frac{1}{2}$ lb. 40c.; lb. \$1.25.
Linnaeus—Pkt. 5c.; oz. 15c.; $\frac{1}{2}$ lb. 40c.; lb. \$1.25.

Rhubarb Roots.

We offer strong seedlings, which are much more easily handled and transplanted than old clumps. The transportation charges are much 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., 75c.; 50 for \$2.50; 100 for \$4.00; 1000 for \$30.00.

Radish.

German—*Rettig*.
French—*Radis*.
Spanish—*Rabano*.

All the 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 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.

PHILADELPHIA WHITE BOX.

Livingston's Pearl Forcing—Is a cross between Wood's Early Frame and White Strasbourg—what might be called half-stump rooted. The color is pearl-white with the waxy appearance; the texture is very firm and solid; they remain in eatable condition fully two weeks before they show signs of going to seed, and do not become woody. If grown properly they have a smaller top, in forcing 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., 75c.

Philadelphia White Box—Its points of superiority are short top, rapid growth, perfect turnip shape, extra fine quality, and showing but little disposition to become pithy, remaining solid and juicy for sometime after fully grown; especially fitted for growing under glass in frames. Owing to very few leaves it can be sown thickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

GOLDEN DRESDEN—We recommend it alike for family garden and for market as one of the most valuable and quick growing radishes. Tops very scant, and admit of closest planting. It is perfectly round, smooth and very attractive, light golden-brown skin. The flesh is crisp, white, juicy and of finest flavor. Market gardeners can grow this new radish in the garden or force it, and depend upon a remarkably perfect, early, uniform crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Brightest Long Scarlet—("Cardinal White Tipped")—A new sort; resembles Early Long Scarlet in shape and size. Extraordinarily early, being fit for use in 24 days after sowing. It is the brightest scarlet we have ever seen in a radish; tips white; rapid seller on market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 80c.

Giant White Stuttgart—A favorite German radish; grows quick, of large size; in shape like a large 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., 50c.

Early Fire Ball—Pretty little fire-red round radish; small tap-root; small top; preferred by many for early forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Golden Globe—Perfect globe-shaped and golden colored skin; quick growth; tender and brittle. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Yellow Summer Turnip—Grows to perfection in the hottest weather. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Gray Summer Turnip—A heat resister. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Rosy Gem—One of the earliest; perfectly globular; color 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., 60c.

Early Scarlet Globe—One of the earliest and best sorts for forcing; its color is very handsome. Flavor mild; crisp and juicy; stands a great amount of heat without becoming pithy; good for garden culture. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

LIVINGSTON'S RADISH MIXTURE—A mixture of over 20 choice varieties of early, medium and late radishes. You will certainly have radishes all summer, and be surprised at the results, if you give it a good place in the garden. For several years we have sent out large quantities of this mixture and the unanimous reports have been "Happily Surprised." Large pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.50.

EARLY SCARLET GLOBE RADISH.

Cut showing some of the Radishes grown from a package of Livingston's Mixture.

RADISHES FOR ALL THE YEAR ROUND

Earliest Carmine, Olive-Shaped—The earliest forcing radish known. Succeeds in the open ground, and takes only 20 to 22 days to form. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

White Olive-Shaped—When grown from true seed, the root is very handsome, regular, olive-shaped, and a fresh, pure white; crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Early Scarlet Turnip—Very early; in great demand for home use.

Small, round, with short top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Scarlet Turnip, White Tip—Handsome bright scarlet color, with white tip. Many gardeners make a sowing of it every two weeks all summer; its fine appearance attracts customers; quality always pleases. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Early White Turnip—Pure white in color; with a small top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Large White Summer Turnip—The market gardeners' favorite. Round, smooth, and very white; crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

CHARTIER—(Scarlet, White Tip)—A distinct, exceedingly handsome and attractive sort. Color of the top is scarlet-rose, shading into pure wax; white at the tip. Attains a 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, and keeps crisp and tender for two months. Planted late it makes a good winter keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

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., 30c; lb., \$1.00.

French Breakfast—A variety of quick growth. Very mild and tender; one of the best for forcing; oval form, scarlet, tipped with white. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Wood's Early Frame—Ten days earlier than the Long Scarlet, which it resembles; an excellent variety for forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

White Strasburg—The roots are of handsome, oblong, tapering shape; both skin and flesh are pure white; the flesh is firm, brittle and tender, and possessing the most desirable character of retaining its crispness, even when the roots are old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Early Long Scarlet Short Top—An admirable sort for forcing; also the leading out-door quick-growing variety, both for private and market gardens the country over; grown in rich, light soil, its average length is about eight inches; grows half out of ground, straight, uniform in color, brittle and crisp; small tops; bright scarlet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

White Lady Finger—(Long White Vienna)—Finest Long White Radish in cultivation. Beautiful shape; skin and flesh pure white; crisp; rapid grower. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

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.

WINTER VARIETIES. Sown in summer and used in the fall, or put away same as turnips. For winter use store in the cellar, or in pits with turnips.

WHITE CHINESE—(New Celestial)—A large, stump rooted radish with white skin and flesh. Can be sown from July 1st to August 15th and will keep all winter in prime condition. Mild in flavor, brittle and never woody like some winter varieties. **Market Gardeners** will find this a splendid seller and those who secure it first will make some money out of it. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 90c.

Chinese Rose—(Scarlet China)—A bright rose-colored winter variety, of excellent quality; certainly one of the best, and would be grown generally by radish growers if better known. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

California Mammoth White—Grown extensively by Chinese in California; 8 to 12 long, 2 to 3 inches in diameter; white; solid; good flavor. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 70c.

Long Black Spanish—Grows 6 to 8 inches long, and about 1 and $\frac{1}{4}$ inches

through at the top; skin black; flesh white and of firm texture. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

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

For Cincinnati Market and other New Radishes, SEE NOVELTY PAGES

FOR LARGER QUANTITIES OF RADISH SEED SPECIAL PRICES WILL BE MADE BY LETTER.

Squash.

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

LIVINGSTON'S IMPROVED CUSHAW SQUASH.

This is the genuine Cushaw of "ye olden time," and is a great favorite where known. It is very beautiful in appearance, being a distinct mottled green and white striped. The flesh is yellow, solid, fine grained, very sweet, and excellent for pies; also good for baking. In weight they average about 15 pounds, but on good rich soil 30 pound specimens are common, and even 35 to 40 pounders are found. They are hardy, and bugs seldom eat them, especially when other varieties are near. Can be grown among corn, same as pumpkins; and yield a good crop, but the better way is to grow them separately on good, rich soil, in hills 10 to 15 feet apart each way. This variety sells well on market, and should be in the hands of every grower for market. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

J. A. CHARLES, Lee Co., Miss.—"I have a specimen of Cushaw Squash that will weigh 50 pounds."

LIVINGSTON'S IMPROVED CUSHAW SQUASH.

White Bush Scallop—"PATTY PAN," "CYMBELING"—The well-known summer squash; very productive; pure white; to be used when young and tender. Pkt., 5c.; oz., 10c., $\frac{1}{2}$ lb., 20c.; lb., 50c.

Mammoth White Bush Scallop—An excellent large strain, earlier than the common stock, creamy white and averaging double in size; a prolific bearer; a splendid variety for market, and the best of all for Southern shippers. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c., lb., 60c.

Extra Large Golden Bush Scallop—Decidedly the best strain of YELLOW Scallop. It has been selected and grown for years until it has doubled in size, and, at the same time, lost none of the other good points, such as earliness, quality and productiveness. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

Colvin's Orange Marrow—The skin has the appearance of a rough dark-colored orange. In flavor it is fully up to the Hubbard. Quality excellent when matured. It is ready for market very early, and if the early squashes are picked the vines keep bearing until frost. Well ripened squashes weighing 15 pounds have been grown in eight weeks. A good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

COLVIN'S ORANGE MARROW SQUASH.

Giant Golden Summer Crookneck—A beautiful bright yellow, warty; bears early and all summer; very desirable for market or private gardens. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

New White Summer Crookneck—A beautiful ivory white, warty squash of unexcelled quality. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

NEW EUREKA—A First-class Farmer's Squash, profitable to grow for feed as well as market purposes. The flesh is very thick and fine grained, and whether baked, steamed or boiled is of fine quality. The outside color is an attractive light grayish green. Its rough and uneven surface indicates its good qualities for the table. Weighs from 20 to 25 pounds, wonderfully prolific, a vigorous vine. When well matured its shell becomes quite hard, but not so much so but that stock can readily eat them. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 70c.

EUREKA SQUASH.

FORDHOOK—Of convenient size for family use. Flesh dry and sweet, and seems incapable of rotting; if placed in a cool, dry room, keeps in perfect condition throughout the winter and spring, until late in June. The thin, hard stem and roots, furnish absolutely no food for the squash borer. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; seed cavity small. May be used at any stage of growth. Pkt., 5c., oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 85c.

CHICAGO WARTED HUBBARD—This seems to be, by all odds, the best strain of Hubbard Squash we have ever grown. Some of its good points are large size, dark green, almost black, color, all looking alike, and withal distinguished by a dense covering of knots ("warts"); thick fleshed, of first-class quality; a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 80c.

CHICAGO WARTED HUBBARD.

FORDHOOK SQUASH.

LIVINGSTON'S PIE SQUASH.

Introduced to the public by us nine years ago as "PIE SQUASH." Some seedsmen insist on renaming this variety, calling it "Pie Pumpkin," etc., after it has been known for years as "PIE SQUASH." It is claimed by some to be the same as Winter Luxury Pumpkin; this is incorrect, Livingston's Pie Squash being more smooth (showing no ribs whatever), and more uniform growth in type and crop. We have always called it a Squash, inasmuch as the family from whom we first obtained our seed had always been in the habit of speaking of it as such. Whether Squash or Pumpkin, one thing is sure, it is FAR IN ADVANCE OF ANY PUMPKIN IN QUALITY. The skin is similar to that of the golden russet apple. The flesh is yellow and very thick, making them appear almost solid. It is early, surprisingly productive and a willing and hardy grower. All in all, we call it the grandest thing out for pies. Its size and attractive appearance make it a ready seller on market. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 90c.

True Hubbard Squash.

Generally considered the best Winter Squash grown; flesh dark yellow, fine grained, dry and sweet, (many say, "Good as sweet potatoes.") It boils and bakes dry, and if plenty of milk is added it will make an excellent pie. It has a very hard shell, is productive, and will keep perfectly until spring. We offer a very carefully grown stock. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

Pike's Peak, or Sibley—Shell smooth, thin, and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor. Weighs from 9 to 11 lbs., and are excellent keepers. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 50c.

Mammoth Chili—TRUE STOCK. Largest of all squashes. A rich orange; smooth; flesh rich bright yellow; keeps well throughout winter and spring; very productive; fine shape; fair quality; profitable for stock. Pkt. 5c.; oz. 10c.; $\frac{1}{2}$ lb. 30c.; lb. \$1.10.

GOLDEN HUBBARD SQUASH.

New Golden Hubbard.

A sport from that old standard of excellence, the Hubbard; it is a perfect type of its parent, except in color, which is a bright deep orange-yellow; exceedingly showy and attractive. Flesh is deep golden-yellow, much richer color than Hubbard, fine grained, cooks very dry, and of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it excels, the old variety. Its superior keeping qualities, combined with its sweet, rich flavor, attractive color and shape, are bound to make it a popular fall and winter variety. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 35c.; lb., \$1.00.

ESSEX HYBRID—RIPENS EARLY; one of the finest grained, richest flavored, most prolific and sweetest of the squash family, and keeps till the following June. Flesh very rich orange color, dry and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

We can supply the well-known Marblehead, Canada Winter Crookneck, Brazil Sugar, Faxon, American Turban, Boston Marrow and Bay State. Each, Packet, 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 65c.

Livingston's Pie Squash.

OYSTER PLANT.

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. It succeeds best in light, well enriched soil. If it is necessary to use manure, it should be very fine and well rotted. Sow early in drills eighteen inches apart, and two inches deep; finally thin to four or five inches apart. The roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them. One ounce for 50 feet of drill.

GOLDEN SALSIFY—When prepared for the table this variety has a quality which, for DELICIOUS FLAVOR, EXTREME RICHNESS and TENDERNESS, has been unapproached by either of the old varieties. Its habit of growth is unlike other varieties; the leaves are dark green in color, finely crimped and curled; roots have a slightly yellowish tinge. Pkt., 10c.; 3 pkt., 25c.

Long White—Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Mammoth (Sandwich Island)—Very large and superior variety. Mild and delicious flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 40c.; lb., \$1.35.

Scorzonera—(Black Salsify)—Pkt., 5c.; oz., 15c.; $\frac{1}{2}$ lb., 50c.; lb., \$1.75.

SORREL.

Of easy growth; cultivated for its leaves, which possess a fine flavor when boiled and served like Spinach; it also makes a good soup.

Broad-Leaved French—The best variety. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00;

SPINACH.

ROUND SUMMER SPINACH.

For spring use sow early in drills one foot apart, and for succession every two weeks; as it grows thin out for use, keeping it clear from weeds. For fall use sow in August; for winter use sow in September in well manured ground; mulch with straw on approach of severe cold weather.

One ounce for 100 feet of drill; 10 lbs. for an acre of drills.

NEW VICTORIA—Quick to mature; forms very large, thick leaves, and remains in condition for use much longer than most kinds, and cannot fail to please. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 35c.; lb., 40c.

Round Summer—A standard sort with market gardeners for early spring; it stands the winter well, but is not quite so hardy as the Prickly; leaves large, thick and fleshy. Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c.

Prickly Seeded—The hardest of all, therefore the best where the winters are severe. Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c.

Improved Thick Leaf—(Viroflay)—A decided improvement on Round Summer. Has very large, thick leaves of great substance. Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c.

Curled-Leaved Savoy—(Norfolk, Bloomsdale)—The earliest variety; of upright growth; fine, large, tender, savoyed leaves. Grows quick but will not stand long. Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c.

New Zealand—Withstands heat and drought and produces leaves in great abundance throughout the summer in the hottest climates, and where ordinary Spinach will not do well; should be started in heat and transplanted three feet apart each way, into light, rich soil. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 90c.

Long Standing—This is an improved strain; later in going to seed than any other; especially desirable for market gardeners. Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c.

Special Prices on Spinach in any quantity on application.

TOMATO

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills five inches apart and half an 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 out 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 the 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 of various kinds, 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, using stakes 5 to 7 feet high, tying the plants up with wool or other strong, soft twine, pruning out quite freely as vines advance in growth. By adopting 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. The 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.

THOS. L. ROSS, Bibb Co., Ga. "I am growing this season seven kinds of your Tomatoes and two kinds each of two other seedsmen. Will plant only three kinds next season—Beauty, Stone and Aristocrat."

PACKET PRICES OF THE LIVINGSTON VARIETIES:

Stone.

Beauty.

Livingston's Beauty. (Introduced by us in 1886)

A decided favorite for either home market or shipping purposes, being early, hardy, a strong grower, productive, large size, always smooth, perfect in shape and excellent in quality. The color is a very glossy crimson with a tinge of purple. It grows in clusters of four to six large fruits, retaining its large size late in the season. It ripens with Acme and Perfection, and is entirely free from ribbed and elongated fruit. It is very firm fleshed, has a tough skin and but few seeds. It seldom rots or cracks after a rain like many of the tender skinned sorts. For shipping and early market it cannot be excelled, on account of solidity, toughness of skin, and especially its handsome color; it can be picked quite green, will look well and ripen up nicely, and keep perfect for a week after it is ripe. Used largely by marketmen and long distance shippers everywhere.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

LIVINGSTON'S BEAUTY.

THE BEST FOR

PROF. W. J. GREEN, Horticulturist Ohio Experiment Station. "At the station we have found, after many trials, no better or more productive variety than Livingston's Beauty for forcing under glass, and next to it, in my opinion, comes Livingston's Stone."

For over 15 years extensive trials have been carried on in a most thorough and practical manner by these gentlemen and their able assistants

NEW VARIETIES AND THE GROWING OF LARGE QUANTITIES OUR SPECIALTY.

No Establishment in the World Makes such a Specialty of Tomato Seed Growing as Ourselves.

In making this 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 canning factory, simply washing out seed from the refuse. Such seed may contain a mixture of half a dozen or more varieties.

This "Vegetable Fruit" has become indispensable to house-keeping in this and many other countries within the past twenty-five 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 28 years ago, 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 13 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" and "GOLD BALL," in 1892; "BUCKEYE STATE," "ARISTOCRAT" and "LARGE ROSE PEACH," in 1893; "HONOR BRIGHT," in 1897, and "DWARF YELLOW PRINCE," in 1898.

REGULAR SIZE, 10c. each, 3 for 25c., of one or more kinds.
HALF SIZE PACKETS, 5c. each, 6 for 25c., one or more kinds.

Livingston's Stone. (Introduced by us in 1891.)

This variety has obtained great favor 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 saleable. Nobody finds any fault with this variety, but all speak in the highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points.

PRICE—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.75.

NOTHING TO BE COMPARED WITH IT.

GEO. B. CHAMBERLAIN, Essex Co., N. Y. "The seeds we have bought of you cannot be beat. We raise your Stone Tomato and think there is nothing in the line of tomatoes to be compared with it. I shall always buy my seeds of you."

UNDER GLASS.

LIVINGSTON'S STONE.

PROF. W. B. ALWOOD, Agricultural Experiment Station, Blacksburg, Va. "Your Beauty Tomato was superb, as usual, and gave us magnificent fruit. We consider it the standard by which comparison of other sorts is made, and are also using it now exclusively for winter forcing."

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.)

It averages at least one-half larger than Livingston's Beauty. 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, like all the other sorts introduced by us, we are sure we have said enough to enlist the attention of Tomato Growers everywhere. This is not all, however, for although its large size might lead some to believe the fruits are few in number, yet the fact is, it is even more prolific and abundant in fruit than most any of the standard sorts now in cultivation. It is unquestionably the heaviest cropper known. The tomatoes are borne in immense clusters of four to eight extra large fruits, and occasionally ten large fruits have been found in single clusters. It matures with the Livingston's Stone. In solidity and meatiness it has no equal and in desirable quality none surpasses it. The color is much the same as Livingston's Beauty, but of a somewhat darker shade, and this, together with its very large size and clear-cut outlines, make it very showy and striking when displayed for sale. For seven 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.

PRICE OF CHOICE SELECT SEED—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$3.00.

F. M. FRAZER, Adair Co., Ky. "I have won the prize every year at our County Fair for five years on Livingston's Buckeye State Tomato."

J. C. BROWNBRIDGE, Van Buren Co., Mich. "I had a cluster of 13 Buckeye State Tomatoes growing on muck soil last year that weighed 17½ lbs. I would have sent them to you but I let them get too ripe. I had them on stake up town and they were a sight."

BOLIVAR LUCKETT, Torisell, Mo. "The Buckeye State Tomato is unsurpassed for beauty, quality and size by anything we ever grew in the tomato line. I heartily recommend it to all lovers of good tomatoes."

Livingston's Dwarf Aristocrat.

(Introduced by us in 1893.) This fine early variety in habit of growth and foliage resembles the Dwarf Champion very much, and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy 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 a very desirable variety for forcing under glass, especially on the side benches, and for growing outside for early market. May be planted two by three feet, or even closer, making it also suitable for small gardens, where every foot of land is to be utilized. Its peculiar dark green foliage and glossy red fruit attract attention of every passer-by.

PRICE—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 80c.; lb., \$3.00.

Livingston's Early Acme.

(Introduced by us in 1875.)—The Earliest Real Good Tomato, especially for early market use. Probably there is no one variety so generally cultivated throughout the United States, 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.

PRICE—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's Early Perfection.

(Introduced by us in 1880.)—An improved Acme with a red skin, somewhat larger, fully as early, has more solid flesh and fewer seeds, and produces more and larger fruit at the close of the season. Invariably smooth and of a handsome blood-red color. Some canners prefer it to all others, especially the small canners who can the tomatoes whole, and a red variety that usually ripens ten days ahead of the Stone.

PRICE—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's Favorite.

(Introduced by us in 1883.) The Canners' Favorite and one of the best and largest perfect shaped Red Tomatoes in cultivation. 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. It is used extensively in the canning seasons of Maryland, and has been generally grown for years for canners throughout the United States.

PRICE—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

C. E. Patterson, Belmont Co., Ohio. "I grew your Buckeye State Tomato last year. It is the best I have ever raised. We got 25 cents a bushel more for our tomatoes than other growers here."

JOSEPH LONG, Kennebec Co., Maine. "The Buckeye State Tomato this year has been a great success with me, as it was last. Though a little late for this northern latitude, they are certainly the largest and smoothest tomato. Your Dwarf Aristocrat I have tried this season, and was delighted with its size and beautiful color. It yielded the most fruit to the square yard of any kind I had."

Livingston's Paragon.

(Introduced by us in 1870.) Our first introduction, and, although it is thirty years since we first offered it, we have kept it up to its original standard, and it has to-day the preference in many localities. Many gardeners, canners and catsup makers will have no other. It is a large sized variety, larger than several of the standard kinds cultivated. An immense cropper. Flesh is 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.

PRICE—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's Royal Red.

(This fine variety is worthy of a prominent position alongside of its renowned predecessors already bearing the "Livingston" name, which are well and favorably known to-day by everybody, because they were all that was claimed for them, and even better than expected. A first-class main crop variety. Everybody is attracted by its beautiful red color and handsome general appearance.)

PRICE—Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's New Magnus Tomato.

See Novelty Pages.

Caution.

TO BE SURE of seed grown by us INSIST on having it in packages bearing our registered TRUE BLUE SEAL.

Large quantities of spurious seed are sold annually as Livingston's by unprincipled persons, hence we give this warning.

THE SEED WE OFFER WAS SAVED FROM CHOICE SELECTED FRUITS of true original type, and cannot fail to please the most critical grower.

OUR SEAL.

Packet Prices of the Livingston Varieties.

{ REGULAR SIZE, 10 cts. each, 3 for 25 cts.—one or more kinds.
{ HALF SIZE, 5 cts. each, 6 for 25 cts.—one or more kinds.

Livingston's Golden Queen.

real good yellow sort of first-class quality. brought it into general favor as a table fruit.

lent. Makes handsome rich preserves. **PRICE**—Pkt., 10c.; ½ oz., 15c.; 5c.; 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's Potato Leaf.

smooth, medium large, very firm, and of desirable quality. It is second early, everbearing 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. **PRICE**—Pkt., 10c.; ½ oz., 15c.; 5c.; 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's Gold Ball.

It is a beautiful canary yellow variety, and no other yellow sort, except our Golden Queen, can approach it in quality. 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. **PRICE**—Pkt., 10c.; ½ oz., 15c.; 5c.; 25c.; ¼ lb., 75c.; lb., \$2.50.

Livingston's Large Rose Peach.

It has all 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 *wild flavor*, as has the sufficient coloring and the peculiar peach-like bloom or tinge on its surface. It seldom rots. **PRICE**—Pkt., 10c.; ½ oz., 15c.; 5c.; 25c.; ¼ lb., 75c.; lb., \$2.75.

Dwarf Champion.

We make a specialty of this very distinct variety, and have grown a number of acres every year since its introduction to be planted two or three feet apart each way. Heavy manuring, instead of producing a superabundant growth of vine (as in many varieties), increases the yield and size of the fruit. In form and color they resemble Acme—smooth and symmetrical in shape, ripening close around the stem. Maturing the fruit early, is very productive, medium large, and crowded close together on the branches; foliage an unusually dark green. **True Stock**—Pkt., 5c.; ½ oz., 15c.; 5c.; 25c.; ¼ lb., 75c.; lb., \$2.50.

BURBANK PRESERVING.

Originated with Mr. Luther Burbank, the world-famous hybridizer. The stiff stems stand very erect until about one foot high, when, unless pruned or supported, they become semi-arching. Foliage set closely on stem. The rich, dark green leaves, although of good size, are very compact and heavily blistered. Fruits are borne abundantly in clusters, as shown in the illustration. The brightest scarlet color, and it is claimed that no other small tomato is of such rich, sweet **FLAVOR**. **PRICE**—Pkt., 10c.; ½ oz., 20c.; oz., 35c.

Burbank
Tomato.

PONDEROSA

PONDEROSA—The fruit ripens quite early and keeps on coming until very late; of immense size, solid, almost seedless, and of good sub-acid flavor. The fruits are somewhat scattered on the vine, and quite a percentage are too rough to please most growers. A very good tomato for home use. When ripe it is apt to remain somewhat green around stem end, and it seems to ripen on the inside first, and on this account should be picked when it appears to be about three-fourths ripe. Pkt., 5c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.00; lb., \$3.50.

Livingston's Dwarf Yellow Prince.

See Novelty Pages.

OTHER VARIETIES.

Below we offer a list of other meritorious varieties. For years past 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 various varieties. The stocks we offer below we recommend as good as any offered by our competitors or the original introducers.

NEW IMPERIAL—Is a purple sort, ripens well around the stem, is very thick meat and solid; although it is claimed to be extra early 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.

EARLY RUBY—A REAL EARLY VARIETY. A single plant of it was first observed in a field of Livingston's Perfection. The fruit, although not so large or so smooth, ripens earlier than Perfection. The open habit of the plant admits the sun and ripens the fruit, which is compact around the base of the plant, and the whole crop ripens very early. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

MIKADO, OR TURNER'S HYBRID—In color a purplish red; quality good when ripened; foliage distinct; generally quite smooth, but always some rough ones. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.25.

TROPHY, TRUE—Fruit very large and generally smooth; solid, good flavor, and very productive. Choice selected seed, as good as it can be grown. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

ATLANTIC PRIZE—One of the EARLIEST of ALL; not only ripens its FIRST FRUITS but a LARGE PROPORTION of the crop earlier than most any other sort; quite valuable to all with whom EARLINESS is the main object desired. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

MATCHLESS—A rich cardinal red. Large size. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

New Enormous tomato—See Novelty Pages.

We can supply the following varieties at the uniform price of—Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

May Flower, Red Queen, Early Conqueror, Lorillard.

Hathaway's Excelsior, Canada Victor, Essex Hybrid,

Cincinnati Purple, Advance, Optimus, 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.

A. B. AGNEW, Mason Co., Ill. "I won't plant any tomato seed except those originated by you; they are as near perfect as can be."

MRS. M. E. MORSEBARGER, Halifax Co., Va. "I have tested your seeds and know them to be genuine and true to name."

F. M. GLINES, Essex Co., Mass. "Everything I ever bought of you proved satisfactory; seeds always grow and everything as you say it is."

NEW PEACH TOMATOES.

Purple Peach—This striking and peculiar variety resembles some varieties of peaches so closely in size, shape, color 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. In color, a deep rose blended with orange amber; it is productive, comes early, and lasts until frost, and never rots. It is equal in delicacy of flavor does not exist in the tomato family. The skin is thin and peels off like that of a peach. It is very ornamental for table decoration or exhibition purposes. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

Yellow Peach—Differs from the above in color only, being a rich golden color and having the bloom or furze of a peach upon its surface. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

Husk, or Strawberry, Winter Cherry, Etc.

This delicate husk enveloped Tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unexcelled. They are handsome in color, and keep

until midwinter or longer. They have a strawberry flavor, and produce fruit in great abundance. Aside from being a great curiosity and very attractive, they sell first-rate in market, and are rapidly becoming very popular.

Purple Husk—This new and beautiful variety produces fruit in great abundance, from one to two inches in diameter, enveloped with a husk. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

Golden Husk—Fruit a handsome golden color, the size of large cherries; most esteemed by many to eat from the hand; makes an excellent pie. The recipe for making the pie will be on the packet containing seed. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

SMALL TOMATOES.

Excellent for Preserves, Pickles and Pies.

Red Currant	Pkt., 5c.	Yellow Plum	Pkt., 5c.
Red Cherry	Pkt., 5c.	Yellow Cherry	Pkt., 5c.
Red Pear-Shape	Pkt., 5c.	Yellow Pear-Shape	Pkt., 5c.

Prices of any of the above named varieties by the $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 80c; lb., \$3.00.

TURNIP.

In drills or broadcast, though much larger crops are obtained by drill culture. Land newly cleared, or old pasture ground well manured with thoroughly rotted manure or other good fertilizer at time of sowing will produce the best and sweetest Turnips. Always sow just before a rain if possible. The success of the crop depends upon a quick growth, especially in the start. One pound is sufficient to sow an acre.

Extra Early Purple Top Milan—A new, early, very white variety, with purple top and strapleaf; mild and sweet; remains in good condition for a long time. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 65c.

Extra Early White Milan—Same as above, except it is pure white. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., 70c.

Scarlet Kashmir ("CARDINAL")—The beautiful pinkish color of this new turnip makes it very striking. It produces large, smooth white-fleshed roots of excellent keeping qualities. Among the earliest. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

Early Flat Dutch or White Top 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—An egg-shaped variety for spring or fall sowing; flesh white, firm, fine grained, mild and sweet. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

YELLOW PURPLE TOP RUTABAGA.

yellow color; good keeper and a superior table variety, or for stock. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Yellow Stone—One of the best yellow-fleshed varieties for table use, and equally good for feeding stock. 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. It is a heavy producer, early, of rapid growth, and an excellent keeper. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Yellow Globe, or Amber—One of the best for general crop; flesh firm and sweet; grows to a large size; excellent for table use or stock, and keeps well until late in the spring. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Golden Ball, or Orange Jelly—A rapid grower of excellent flavor; globe-shaped; bright

EARLY WHITE FLAT DUTCH.

PURPLE TOP STRAP LEAF.

Large White Globe—A large, round, white turnip, with firm, sweet flesh. 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.

Long White, or Cow Horn—Grows very thickly partly above ground; very productive; flesh white, fine grained, sweet, and of excellent quality for family and market gardener's use. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

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., 50c.

White Russian, or Large White Ruta Baga—Grows very large; excellent for table or stock; flesh firm, white and solid; has a very rich and sweet flavor. The best keeper of any. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 50c.

Long Island Improved Purple Top—This is undoubtedly the finest variety of Purple Top Ruta Baga, and is twice the size of the ordinary stocks. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

Miscellaneous Farm Seeds.

The prices given below are NET CASH, free on cars, this city, purchasers paying all transportation charges; at the prices quoted here we make no charge 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 quote them, on application, THE LOWEST PRICE THAT THE MARKET WILL JUSTIFY AT THE TIME.

SEED OATS

...The Improved...

American Oats.

This splendid Oat originated in Maine. It is a very heavy growing, strong strawed variety, and it is claimed by the introducer to be almost proof against Rust and other diseases. The grains are large, white, thin hulled, and, in every way, first-class. We predict for this variety a first place with consumers. The Ohio Agricultural Experiment Station pronounces this variety the best oats of all the late introductions. We have a limited supply but while it lasts will sell as follows:

PRICE, (postpaid)—Lb., 25c.; 3 lbs., 60c. BY EXPRESS OR FREIGHT—Peck, 30c.; bus., (32 lbs.), 80c.; bag (2½ bus.) \$1.75; 5 bus., \$3.25; 10 bus., \$6.00. Sacks Free.

EARLY WHITE SWEDISH OATS—We introduced to our trade some three years ago this valuable new variety of oats, and find it fully up to our claims and expectations. It has been well tested in various localities. As its name implies it is early, white and productive, with a good straw. POSTPAID—Lb., 25c.; 3 lbs., 60c. BY EXPRESS OR FREIGHT—Peck, 30c., bus. (32 lbs.), 80c.; bag of 2½ bus., \$1.75; 5 bus., \$3.25; 10 bus., \$6.00. Sacks Free.

AMERICAN BANNER—Invariably yields large crops. Grains large, white and plump; ripens early; has stiff straw of good strength. POSTPAID—Lb., 25c.; 3 lbs., 60c. BY EXPRESS OR FREIGHT—Peck, 30c.; bus., (32 lbs.), 80c.; 5 bus., \$3.25; 10 bus., \$6.00. Sacks Free.

Special Prices on Larger Quantities of Oats on Application.

Sorghum or Sugar Cane.

SUBJECT TO MARKET CHANGES.

Sorghum is being used extensively as a green food for cattle, horses and mules; it is a sure crop, being a great drouth resister; an immense yielder, producing many tons of most nutritious green food to the acre. Specially fine food for milch cows when pasture is short.

EARLY ORANGE CANE—A strong grower; much more juicy than any other variety. Stalk is heavier and a little later than the Amber. POSTPAID—Oz., 10c.; ¼ lb., 15c.; lb., 30c.; 3 lbs., 75c. BY EXPRESS OR FREIGHT—10 lbs., 50c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

EARLY AMBER CANE—This popular and well-known variety is the earliest and makes the finest quality of both sugar and syrup. POSTPAID—Oz., 10c.; lb., 30c.; 3 lbs., 75c. BY EXPRESS OR FREIGHT—10 lbs., 50c.; 50 lbs., \$1.50; 100 lbs., \$2.50.

WRITE FOR PRICES ON LARGER QUANTITIES.

Teosinte.

A most prolific forage plant. Resembles Indian Corn, but the leaves are much longer and broader. The stalk is very nutritious. It can be cut several times during the season, yielding enormously. One seed will sometimes produce 20 to 60 shoots. Should not be planted until the soil is perfectly warm. Four pounds sufficient for an acre. Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.25.

Our New Early Ripe Oats.

This grand new oats, introduced by us last season, is an oats of medium length straw, stands up well, grain white, medium size, and a good yielder. It is not a side oats, as can be seen by the above illustration, which is an actual reproduction from a photograph. Extreme Earliness is its very strong point, as the grower can cut his wheat and oats at the same time, going from the wheat field to the oats, and thus harvest and thresh both at once, which to most farmers is a desirable condition.

Mr. C. F. Wetherby, an up-to-date farmer near this city, who has grown this oats for five years has always cut his crop from the 1st to the 4th day of July.

We have known this oats for several years, and tried it in various localities in order to satisfy ourselves of its merit before introducing it. We give it our indorsement with full confidence that it will prove satisfactory to every grower who tries it and desires a profitable early variety.

We grew a very fine crop of this variety the past season and are better pleased with it than ever. Our crop was in shock two and three weeks ahead of our neighbors, who sowed other varieties, and yielded without special preparation of soil 65 bushels per acre, which is very good for Central Ohio. Immense yields could be secured in the North and Northwest oat section.

PRICE (POSTPAID)—4 oz. pkt. 10c.; lb., 30c.; 3 lbs., 75c. BY EXPRESS OR FREIGHT—Peck, 35c.; ¼ bus., 60c.; bus. (32 lbs.), \$1.00; bag (2½ bus.), \$2.25; 5 bus., \$4.25; 10 bus., \$8.00. SACKS FREE.

MR. C. M. GROSMAÏ, near Petoskey, Mich.—“The NEW EARLY Ripe OATS sent me is the first ripe, of any variety, in this country and two weeks ahead of some crops.”

Our Seed Oats are Well Fanned and Well Cleaned.

Barley, New White Hullless. Hullless, beardless and Early, with the like wheat, yields well on poor land, enormously on good; a grand barley for stock feeding; hullless like wheat when threshed; heads well filled; very prolific. Price—(Postpaid)—1b., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 60c.; bus., \$2.00.

Barley, New Beardless Success. The earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land; with good land and season has produced 30 bushels per acre. It will, if sown early, ripen four or five days before rye, and being beardless handles as easily as oats and makes a stronger feed. Price, (Postpaid)—1b., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 40c.; bus., \$1.25.

T. W. WAGNER, Lincoln Co., Ky. "Your Beardless Barley is one of the best things to grow in the way of small grains that has been produced for many years. Gives a great yield on good ground, much easier threshed than wheat, stands well, straw stiff and will not blow down. Very profitable, one acre is worth three of oats for feed."

Dwarf Essex Rape. This plant is extensively grown for forage, especially for sheep, and for green manure, for which purpose there is perhaps no plant better adapted where a quick, rank growth is desired. Farmers who raise much stock and desire to get young cattle, sheep or lambs into favorable condition can do it most cheaply by growing this rape. Prepare the ground as for turnips and sow in June or July, with a turning drill, in rows 2½ feet apart at the rate of 2½ lbs. of seed per acre. Our stock is the TRUE ESSEX DWARF, and not the worthless annual. Postpaid—Oz., 10c.; ¼ lb., 15c.; 1b., 30c. By Freight or Express—10 lbs., \$1.00; 50 lbs., \$4.50; 100 lbs., \$8.00.

KAFFIR CORN—One of the best forage plants. The heads contain small white seeds which make an excellent food. The heads are greedily eaten by horses and cattle and make splendid food for poultry, fed either in the grain or ground and cooked. The foliage and stalks make excellent forage. Cultivate the same as common corn, requiring 4 or 5 pounds of seed per acre. By Mail (Postpaid)—Oz., 5c.; ¼ lb., 15c.; 1b., 20c.; 3 lbs., 50c. By Express—10 lbs., 60c.; 50 lbs., \$2.00.

WILD RICE (Zarania Aquatic)—For planting in fish ponds and as an attraction for wild fowl it cannot be equalled. Does well along the edge of marshes. Sow in the fall or very early spring. Will grow in water 5 feet deep. By Mail (Postpaid)—Large packet, 10c.; ¼ lb., 15c.; 1b., 30c. By Express—10 lbs., \$2.50.

CHUFAS, or Earth Almonds—A species of "grass nut," much used to fatten hogs. The nut grows under the ground, very near the surface, easily reached by the pigs or poultry. Plant in April in rows 3 feet apart and 8 to 10 inches apart in the row. If seed is dry soak before planting. One peck of seed per acre. Postpaid—Pkt., 10c.; quart, 35c. By Express—Peck, \$1.50.

Hairy Vetch. The most valuable of all the Vetches. It succeeds on all soils, and does not suffer from extremes of drouth, heat or cold. Sown in August or September, it will cover the ground with a dense mat of forage, which in the Southern States, will afford abundant pasture throughout the entire winter. In the Northern States it remains green all winter. In the Southern States, where the Crimson Clover does not thrive, and in the Northern States, where Clover is winter-killed, the value of the Hairy Vetch is inestimable. Sown in Spring, it quickly produces a most luxuriant crop. Sow 40 to 50 lbs. per acre. Postpaid—Pkt., 10c.; 1b., 25c. By Express or Freight—Bus. of 60 lbs., \$4.00.

SPRING VETCHES, or TARES—A good forage plant; also used for plowing under. Sow two bushels to the acre, broadcast like wheat or barley. Used in France and Canada as a substitute for peas; also ground into flour and mixed with wheat flour for making bread. Postpaid—1b., 25c. By Express—4 qts., 50c.; peck, 90c.; bus., \$3.00.

Mammoth Russian Sunflower. Grows to double the size of the common Sunflower, and the yield of seed is twice as great. One hundred and twenty-five bushels to the acre have been grown at less expense than corn. Very highly recommended for poultry; best seed producing feed is any good feed for horses. By Mail (Postpaid)—Oz., 5c.; ¼ lb., 15c.; 1b., 25c. By Express or Freight—10 lbs., \$1.00; 25 lbs., \$2.00; 100 lbs., \$6.00.

Broom Corn. IMPROVED EVERGREEN—The best variety for general cultivation, on account of color and quality of brush; ripens very early, grows about eight to ten feet high, brush of good length, fine and straight, and always of green appearance. Seven ribbed. Postpaid—1b., 25c.; 3 lbs., 60c. By Express or Freight—10 lbs., 75c.; 25 lbs., \$1.25; 100 lbs., \$3.50.

WINTER AND SPRING WHEAT, RYE AND BARLEY. Prices on Application in Season on Several Good Kinds.

Buckwheat. Should be sown about middle of June, broadcast, using from one to three pecks of seed to the acre.

NEW JAPANESE—This new sort has proven to be much earlier and more productive than any other variety. Grains very large and of a rich brown color. It excels all in yield and earliness. Postpaid—1b., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 40c.; bus., \$1.25.

SILVER HULL—A very good and popular variety. The grain is of a light gray color, finer than the previous variety. It is the earliest of the new sorts, matures earlier, and yields a half more to the acre. Postpaid—1b., 25c.; 3 lbs., 60c. By Express or Freight—Peck, 40c.; bus., \$1.25.

Field Peas. CANADA FIELD PEAS—Valuable for Northern climates for cattle feeding, and when sown with oats are excellent hog feed. Used as feed for pigeons, etc., and for green soiling. Postpaid—Quart, 30c. By Express or Freight—Peck, 40c.; bus., \$1.35.

Cow, or Southern Peas. There is no surer or cheaper means of improving and increasing the productivity of our soils than by sowing the Cow Pea. It makes an 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 its 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, if desired. Cow Peas can be sown in May or June, at the rate of 1 to 1½ bushels per acre.

BLACK—This variety is quick to mature, and well adapted for late planting and Northern sections; it is a vigorous grower and great yielder. Peck, 50c.

WHIPPOORWILL—An early bunch growing variety; a great favorite in the North and West; quite prolific. Peck, 50c.

BLACK-EYE—A prolific vine-growing variety of merit; seed often sold for table use. Peck, 50c.

Market price on Cow Peas changes often. Write for price on bushel or over when ready to buy.

PEANUTS.

VIRGINIA IMPROVED—The Mammoth Virginia Peanut is a very profitable variety to grow. It is easily cultivated; very erect stems; upright foliage;

largest pods and kernels of any variety; also, yields fewer imperfect pods. The vines make a valuable forage for stock. By Mail (Postpaid)—Large packet, 10c.; ¼ lb., 20c.; 1b., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs., or over, 10c. per pound.

SPANISH PEANUT—The Earliest Variety Grown—Pods small, but remarkably solid and well filled, and the yield per acre very large; the best variety to grow for attentive husbandry. Postpaid—Large packet, 10c.; ¼ lb., 20c.; 1b., 35c.; 3 lbs., \$1.00. By Express—4 lbs., 50c.; 10 lbs., or over, 10c. per pound.

TREE SEEDS.

OSAGE ORANGE—The best of all hedge plants. Postpaid—Oz., 10c.; ¼ lb., 20c.; 1b., 50c. By Express—10 lbs., or over, 10c. per pound.

CATAWPA (Speciosa)—The hardy Western variety, largely planted. A rapid grower and makes the best timber trees. Postpaid—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1b., 65c.

RUSSIAN MULBERRY—Planted for silk culture; easily grown; hardy; fine hedges; fruit quite palatable. Tree makes fence-posts in five years, and fine lumber. Pkt., 10c.; oz., 20c.; ¼ lb., 60c.; 1b., \$2.00.

PRICES ON OTHER TREE SEEDS GIVEN ON APPLICATION.

PRICES ON LARGER QUANTITIES OF THE ABOVE SEEDS GIVEN UPON APPLICATION

Recleaned Grass and Clover Seeds.

CUSTOMERS understand that prices on Grass and Clover Seeds are changing (almost daily), and that we can only give prices subject to market fluctuations. Bags are included at the prices here given. Those wanting Seeds in larger quantity than here quoted should write for special prices. **OUR SINGLE POUND PRICES INCLUDE POSTAGE PAID BY US.** Please bear this in mind when comparing our prices with others who require you to add postage to their quotations.

Kentucky Blue Grass —(June Grass)— <i>Poa pratensis</i> —Universally known; desirable for pastures and lawns. Sow in fall or spring at the rate of 2 to 3 bushels per acre. Fancy clean seed. (Bus. 1 lb.)	30	\$1 65	\$11 00
Orchard Grass —(<i>Ononis glomerata</i>)—Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly and furnishes an abundance of pasture during the entire season. $\frac{1}{2}$ to 2 bushels per acre. (Bus., 14 lbs.)	30	1 45	12 00
Red Top Grass —(Prime)—(<i>Agrostis vulgaris</i>)—Thrives well in almost any soil; grows best in low land, and produces a very firm sod. Sow 1 to 2 bushels per acre. Fancy clean. (Bus., 14 lbs.)	25	1 30	12 00
Timothy —(<i>Phleum pratense</i>)—A well known variety. When ready to write us for latest prices, whether you want a bag or a carload. (Bus., 45 lbs.) Prime seed	20	50	4 00
Choice	20	65	4 50
Wood Meadow Grass —(<i>Poa nemoralis</i>)—Adapted for pasture or pleasure grounds; of early growth; thrives well under trees. Sow 2 bushels per acre. (Bus., 14 lbs.)	45	4 00	30 00
Rhode Island Bent Grass —(<i>Agrostis cinina</i>)—A valuable grass for lawns. Sow 3 or 4 bushels to the acre for lawns; for pasture, $\frac{1}{2}$ to 3 bushels. (Bus., 12 lbs.)	35	2 50	20 00
Tall Meadow Oat Grass —(<i>Avena sativa</i>)—Used for soiling. It succeeds well in sandy lands, and, owing to its long, fibrous roots, stands cold and drought well. Sow 3 bus. per acre. (Bus., 10 lbs.)	35	2 25	20 00

Johnson Grass —(<i>Sorghum halepense</i>)—A large, Lb. 10 lbs. 100 lbs. strong-growing grass. Succeeds well in the South. Good for hay or pasture; stands drought well. Sow 3 bushels per acre. (Bus., 25 lbs.)	25	1 50	14 00
Sweet Vernal —(<i>Anthriscum odoratum</i>)—Is very fragrant, especially when bruised or cut. Mixed with other grasses for pasture it is quite valuable, as it starts early in spring and grows until late in the fall. (Bus., 10 lbs.)	60	5 00	45 00
Perennial Rye Grass —(<i>Lolium perenne</i>)—Very nutritious and valuable grass for meadows and permanent pastures; rapid grower, and the most prominent grass in England. 1 to $\frac{1}{2}$ bushels to the acre. (Bus., 24 lbs.)	25	1 00	8 00
Meadow Fescue —(<i>Festuca pratensis</i>)—Thrives in all soils; excellent for permanent pastures; starts early; very productive. Sow $\frac{1}{2}$ to 2 bushels per acre. (Bus., 24 lbs.)	25	1 25	11 00
Sheep's Fescue —(<i>Festuca ovina</i>)—Grows naturally on light, dry, sandy soils and mountain pastures. Is considered quite valuable as a mixture with other grasses for permanent early spring pasture. (Bus., about 12 lbs.)	25	2 00	18 00
Hard Fescue —(<i>Festuca duriuscula</i>)—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 it a desirable pasture variety. (Bus., about 12 lbs.)	25	2 00	18 00

Write for Special Prices on Grass Seeds before you buy in either fall or spring. Also for Prices of other Grasses not mentioned above.

CLOVERS

Parties wishing to buy in large quantities will do well to get samples and prices before placing their orders. We are in position to handle it on a close margin and supply the finest grades.

The Prices here given are subject to Market Change without notice. Samples free on application.

Medium, or Common Red —(<i>Trifolium Pratense</i>)—Lb. 10 lbs. 100 lbs. The Clover Seed of Commerce, and the most important and valuable of the Clover family for agricultural purposes. Sow 15 lbs. to the acre. (Bus., 60 lbs.)	30	\$1 30	\$12 00
Alsike, or Hybrid —(<i>Swedish</i>)—(<i>Trifolium Hybridum</i>)—The most hardy of all clovers; perennial. On rich, moist soils it yields an enormous quantity of hay or pasture, but its greatest value is for soiling with other clover and grasses, as it forms a thick bottom; has fibrous roots like white clover. Esteemed highly by the bee keeper.	30	1 60	15 00

Mammoth Clover —(<i>Trifolium Pratense Perenne</i>)—Valuable with other grasses for mixed hay; ripens about with Timothy. Being a rank grower it is largely used for plowing under as a fertilizer.	30	1 30	12 00
White Dutch —(<i>Trifolium Repense</i>)—Grows naturally in pastures in a great variety of soils and situations; indispensable in parks and lawns.	45	2 50	20 00

CRIMSON, or SCARLET ITALIAN—(*Trifolium incarnatum*)

This wonderful Forage Plant, more commonly called Scarlet, is a great nitrogen gatherer, makes a growth of from 20 to 30 inches high, has a bright crimson blossom from $\frac{1}{2}$ to 3 inches long, and when in full bloom is a thing of beauty. Being an annual it must be sown in July, August and September of each year, from which the spring following can be cut for soiling by the 20th of April; for ensilage and hay by the 1st to the 15th of May in this latitude, and for seed crop about the first week of June. Will produce $\frac{1}{2}$ to $\frac{2}{3}$ tons of hay per acre, and 2 to 12 bushels of seed per acre. It can be sown in corn, or any cultivated crop, also with buckwheat. It has been sown to keep down weeds and to be plowed under as a manure, with most excellent results. When sown in July and August it furnishes excellent pasture in November and December. Ten to fifteen pounds are necessary to seed an acre properly, and after sowing the seed in the rows always be covered by harrowing with a light harrow, and be sure to use only American grown seed. (Bus., 60 lbs.)

CRIMSON CLOVER.

30 1 20 9 00

CLOVER—CONTINUED.

Alfalfa, or Lucerne —(<i>Medicago Sativa</i>)—This clover Lb. 10 lbs. 100 lbs. claims to bear the palm as a forage plant, coming earliest in spring and remaining latest in fall. It delights in plenty of sun, it being a veritable child of the sun, and must be sown at the rate of from 10 to 25 lbs. of seed per acre on 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	30	\$1 40	\$13 00

MILLETS.

Prices subject to Market Change.

GERMAN, or GOLDEN MILLET—True Southern Crown German Millet Seed is far superior, both in quality and yield of product, to Western grown seed. The True Southern German Millet will grow in any climate or soil, and when properly grown and handled makes an enormous yield of most nutritious feed, and that without impoverishing the soil to any great extent. To get these results, however, the seed must be sown thickly, not less than one bushel per acre, at any time between May 1st, and July 15th, and the crop cut in eight to ten weeks, while it is in bloom, before the seed hardens in the head. Managed in this way it will prove a most satisfactory and profitable forage and summer hay crop much liked by all kinds of stock. Cures easily, will withstand more abuse when stacked than any other hay. We have known stacks that have stood out three or four years that would not open out bright and good. Prepare the ground well before sowing the seed. Cover only slightly, single stroke of a light harrow, or roll without harrowing, or it may be sown with the drill, setting drill to barely cover the seed. Pound, 25c.; 10 pounds, 50c.; 100 pounds, \$3.00.

Hungarian (Crass)—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. Pound, 30c.; 10 pounds, 50c.; 100 pounds, \$3.00.

Western Crown Millet.....Market Price.

Head of Millet from Southern Crown Seed.

Special Descriptions of all Grasses Mailed on Application.

A Beautiful Lawn

Is one of the most pleasing features connected with the country or suburban home, and when once made will last for years if the right material is used and the work properly done.

The first steps necessary are proper drainage and a careful preparation of the soil. Then comes good seed, proper time of sowing, quantity used, careful watering, etc.

In making a new lawn, the soil should be carefully cultivated to the depth of about one foot, carefully graded to the desired level and well rolled, after which a light raking will prepare it properly for the reception of the seed. The soil should be good but not too rich, as the grass is apt to grow over rank in such soil. The ground may be prepared as early in the spring as it is possible to work the same, or what would be better, prepared in the fall and the seed sown in the spring as early as the ground can be got in good order.

When the grass is ready for its first cutting, give the lawn a good rolling two or three days ahead, choosing damp weather, or the cool of the day and, if possible, mow with a sharp scythe rather than with the lawn mower for this first cutting; after that, the lawn mower may be used, setting the mower as high as possible, not cutting too close to the ground until the lawn is well established; about once a week in favorable growing weather is often enough, but not so often in dry weather. Roll occasionally, especially in early spring after the frost comes out of the ground.

REMEMBER that it is essential to dig the soil deep and prepare thoroughly, sow high grade seed liberally at the right time, and not less than four bushels (five would be better) to the acre.

OLD LAWNS are greatly benefited if given a thorough raking as early in the spring as the weather will permit, and then some fresh seed sprinkled on, which will renew the thin places and spots that have been killed out by weeds and other causes.

TIME TO SOW.—Lawn seed can be sown at almost any time from early spring to late in the fall, but the best time is very early in the spring or about September 1st, depending somewhat on the condition of the season at the time of sowing.

OUR MIXTURES are composed of the purest, cleanest and heaviest Lawn Grass Seeds possible to grow and they are all carefully tested for vitality before mixing. *We do our own mixing.*

PRICES given do not include postage. If to go by mail add 10c. per pound to the prices given.

OUR LAWN GRASS MIXTURE FOR SHADY SITUATIONS.

On nearly 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. It is composed of dwarf-growing grasses which are found naturally growing in such places. Should the ground have become "sour," or drainage defective, it is apt to be covered with moss. If such is the case apply some lime or land plaster to sweeten it, after first removing the moss, then rake thoroughly and sow the seed. **Price**—Lb., 40c.; 5 lbs., \$1.75; bus., \$6.50.

COLDWELL'S CELEBRATED IMPROVED HORSE MOWER.

Livingston's Lawn Seed Mixture.

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 pure lawn seed so as to produce a soft, velvety ever-green sod that will withstand cutting and heat of summer, and the severe cold of winter. It is not made of annual grasses for a quick show, or of the chaffy, light-weight seeds, sold by some at cheap prices. **Our Mixture** weighs about 20 pounds to the measured bushel and is not surpassed by any brand in this country.

Quantity of Seed to Sow an Acre (43,560 sq. ft.).—For New Lawns, not less than four bushels (five is better); for renewing Old Lawns from one to two bushels.

PRICES: First Quality, per lb., 25c.; 5 lbs., \$1.00; 1 bus., \$3.50; 2 bus., \$6.50; 5 bus., \$15.00.

Second Quality, per lb., 20c.; 3 lbs., 50c.; 1 bus., \$3.00; 2 bus., \$5.50; 5 bus., \$12.00.

Our Grass Mixture for Tennis Lawns, Croquet Grounds, Etc.

A mixture composed of low-growing hardy grasses suitable for grounds of this character. Lb., 40c.; 5 lbs., \$1.75; bus., \$6.50.

KENTUCKY BLUE GRASS. Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn, but it takes longer to establish it. **Fancy Clean Seed**—Lb., 20c.; 3 lbs., 50c.; bus., (14 lbs.), \$2.00.

10c. Add 10c. per pound if Grass Seeds are wanted by Mail.

Lawn Food. Old and New Lawns require stimulating after the season of cutting and the heat of summer. For this purpose we furnish a superior grade of bone meal, which we have found, after years of experience and tests, to be the best adapted to the wants of the lawn, the finer particles being a ready supply of available food for immediate use, while the coarser particles are broken down by the elements and taken up later on, giving a very lasting effect. By using this dressing all unsightliness and disagreeable odors are avoided. No weed seeds will fill your lawn as they frequently do when stable dressing is used. It should be sown broadcast, from the middle of February to the first of May, at the rate of 300 to 500 pounds to the acre, according to the condition of the lawn. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed.

100 lb. Bag, for 2,500 sq. ft. \$2.50
50 lb. Bag, for 1,250 sq. ft. 1.50
25 lb. Bag, \$1.00. 10 lb. Bag, .50

"GRASS TALKS."

Written for us by Mr. F. P. SPERRY.
The latest and most practical pamphlet ever written on the leading Grasses, Clovers, Millets, Pastures, Cow and Field Peas, and HOW TO MAKE AND CARE FOR A LAWN. Free to our Customers—20 cents to others. Those not familiar with the requirements of a good lawn will find it valuable.

A HIGH WHEEL IMPERIAL ROLLER MOWER.

We Sell COLDWELL LAWN MOWERS. Write for Prices and Circulars.

AN EAR OF CLARAGE.

SEED CORN.

The varieties of Field Corn we offer are the best in general use. They were grown especially for seed purposes, and 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. **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.

It only costs about 20 cents an acre to use our Carefully Selected and Tested Seed Corn. Is it wise to risk doubtful corn from the crib?

PRICE of any of the following varieties of field Corn, except where otherwise quoted: By Mail, postpaid—Sample Ear, 25c.; large packet, 5c.; quart, 30c. By Express or Freight, (at buyer's expense)—6 Select Ears, 25c.; quart, 15c.; peck, 40c.; bus., \$1.25; 5 bus., \$5.00; 10 bus., \$9.00. Sacks Free.

New White Cob Early Dawn.

This is a new White Dent Corn of great merit. Never offered before. The pure white kernels are bright and glossy; small white cob; stalks often bear two good ears; grains grow well over tips of cobs; matures in 90 to 100 days. A good yielder, adapted to all corn growing localities, and gives universal satisfaction; excellent for any soil and gives better yield on clay land than any of the yellow kinds. Unsurpassed for corn meal and flour of a high grade. Bus., \$1.50; 4 bus., \$5.00; 10 bus., \$10.00.

PRIDE OF THE NORTH—The Very Earliest Yellow Dent Corn in cultivation, and can be successfully grown farther North than any other Dent. Originated in the Northern Iowa. Ripens readily in New England. Matures perfectly in 90 days; very hardy and prolific; ears of uniform size, cob small, kernels closely set on the cob, and are long and compact.

True Clarage Yellow.

Best Second Early. Sure to Ripen. It has been grown extensively by farmers in this locality for over fifty years. It ripens between the Pride of the North and Leaming. The ear is nearly as large as the Leaming, very uniform in its entire length, and well filled out at both ends; husks very easily; of rich golden color, and very productive. In favorable seasons it has ripened here when planted as late as the first of July. Highly recommended by Ohio Experiment Station as one of the best in points of early maturity, productiveness and feeding qualities.

Mammoth White Dent.

A large cored variety, combining all the good points required in corn growing sections. It has a broad, very deep, pure white kernel and cob—in fact a stray red cob will hardly be found in a thousand bushels; 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 it continues to grow in favor annually. We pronounce it the best large white dent of which we have any knowledge.

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 maturing in 100 days from planting; will yield on good soil, with proper tillage and favorable seasons, from 75 to 100 bushels per acre.

WHITE CAP YELLOW DENT—Suitable for all soils, grows large ears and matures early. It grows strong, rank and thick, and, it is claimed, will produce more corn on poor, thin soil, than any kind now in cultivation. The tip of the grains are white, inside yellow, making it a beautiful color.

Pop Corn.

WHITE RICE—The best variety for popping purposes; grain pointed, pops white and full, is very productive, and of excellent quality. By Mail, (postpaid), 2 Nice Sample Ears, 10c.; pkt., 5c.; ¼ lb., 15c.; lb., 25c.; 3 lbs., 60c. By Express, (not paid), 10 lbs. for 60c.; 40 lbs. for \$2.00.

IF A LARGER QUANTITY OF ANY OF THESE CORNS IS DESIRED, WRITE US FOR LOWEST PRICES AND FREIGHT RATES.

Fodder and Ensilage Corns.

BY EXPRESS OR FREIGHT AT BUYER'S EXPENSE.

EVERGREEN SUGAR—There is nothing better for early fall green feed, or for curing for winter than Sweet Corn. It has the great merit of being so sweet and palatable that cattle eat every part of the stalks and leaves, and consequently none is wasted. A favorite with dairy farmers. Also excellent for silage. Can be planted as other corn or sown thickly in drills or broadcast. Peck, 50c.; ¼ bu., 75c.; 1 bu., 1.40; 2½ bus., \$3.00; 2 bags, \$5.50; 4 bags, \$10.00.

RED COB ENSILAGE—A Southern type of large white corn with red cob, strong, leafy stalks and short joints; a general favorite. Peck, 50c.; bus., 1.10; 2 bus., \$2.00; 5 bus., \$4.75; 10 bus., \$9.00.

LEAMING CORN—Highly recommended by Gregory and other good authorities as being the most suitable for the silo of all large varieties. Leaming for Silo—Bus., \$1.10; 2½ bus. sack, \$2.50; 5 bus., \$4.75; 10 bus. for \$9.00. Sacks Free.

New White Cob Early Dawn.

Livingston's New Golden Surprise Corn see Page 104

SUPERIOR SEED POTATOES.

IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing Potato Seed often is universally admitted by all well posted growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About eight bushels will seed an acre and at 25c. to 50c. 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 growers in Michigan 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. Fighting bugs and blight from start to finish, because potatoes fit for seed cannot be produced from unhealthy or injured foliage. The potatoes are very carefully handled when digging and barreling, that they may not be bruised or otherwise injured.

Early Orders. Everything points in the direction of a lively demand for Choice Seed Potatoes the coming season, and, while we have a good stock in store at present, we would advise customers to send in orders early.

Free Any purchaser of a Barrel or more Potatoes at prices quoted, may order any ONE of the following articles and it will be sent with Potatoes FREE OF CHARGE.

1. A CONCAVE POTATO KNIFE.
2. "THE NEW POTATO CULTURE." By E. S. CARMAN.
3. A PACKET OF POTATO SEED.

Our Prices. The following prices are about what we think will rule for 6000, STRAIGHT, UNMINED STOCK for the coming season's planting, but if you receive lower quotations before placing your order, write us (it costs but a trifle), stating what you want, and we will bid for your order.

YOU MAY SAVE DOLLARS, for we are usually in a position to meet, and frequently do better than many other firms when we are given an opportunity. We do not care to compete with irresponsible houses, who frequently do not know one Potato from another.

BUYERS OF LARGE QUANTITIES are requested to write us stating what they desire, and we will endeavor to make prices that will result in trade.

SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, no matter if there should be an advance in the market. We fill orders just as soon as the weather, in our judgment, will permit. However, we cannot become responsible for changes in the weather by which they might become damaged while en route. We will ship at any time when requested to do so, regardless of weather, if customers wish to take their own risk. When customers request it we pack a barrel of two or three kinds without extra charge. WHEN ORDERING LATE, please state whether we shall return the money or send some other kind of equal value, providing we cannot supply the sort you order.

POTATOES BY EXPRESS OR FREIGHT, at barrel, bushel, peck and half-peck prices. The buyer pays the freight or express charges. Our barrels contain two and three-fourths (2 3/4) bushels, Good Measure.

ALL TRANSPORTATION CHARGES MUST BE PAID BY THE BUYER. NO POTATOES SENT C. O. D.

Potatoes by Mail, Postpaid. Prices for small quantities of any of the following varieties, unless otherwise quoted—1 lb., 25c, 3 lb., 60c.

THREE DOZEN EYES FOR 25 CENTS, POSTPAID.

Please give Plain

Shipping Directions

MOST PROFITABLE FOR EARLY MARKET.

LIVINGSTON'S EXTRA EARLY OHIO POTATOES.

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, brings the highest prices, and the land can be used for other crops; 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. They keep firm until late in the spring. 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, and we have for years taken great pains to keep the stock pure and up to its original standard, but we are confident that many do not know a true 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.

We offer CHOICE HAND SORTED STOCK at the following very reasonable Prices:

Michigan or Minnesota Grown Stock:

½ peck, 25c.; peck, 40c.; bus., \$1.50; bbl., \$3.75; 5 bbls., \$16.00; 10 bbls., \$30.00.

Special Prices for Larger Quantities on Application. We furnish Car Lots if desired.

Livingston's Banner Potato.

Introduced by us in 1891.

The Banner is a seedling, and is 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 russet 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 as any. The Flesh is very white, and whether boiled or baked has the same fine table qualities, always cooking dry and floury. Season medium late.

S. EDSON, Oceana Co., Mich. "Banner took First Premium at our Fair. They are the handsomest and best yielders I ever raised."

R. B. NOBLE, Lafayette Co., Mo. "I raised 107 bushels of Banner Potatoes from the barrel ordered of you last spring."

Choice Sorted Michigan Grown Stock— $\frac{1}{2}$ peck, 25c.; peck, 40c.; bus., \$1.40; bbl., \$3.50; 5 bbl., \$16.00; 10 bbl., \$30.00.

GEO. GEIER, Spokane Co., Wash. "I had 12 varieties of potatoes planted last year. The Banner is the best of them all."

JOHN L. WILSON, Weber Co., Utah. "From one bushel of Livingston's Banner, last season, I raised 40 bushels of fine potatoes."

H. E. PIERCE, Madison Co., Ind. "Your Banner Potato is a 'daisy' sure, the best of five kinds planted; out-yielded anything on the place."

HOMER MILLS, Noble Co., Ind. "We succeeded admirably last year with Livingston's Banner; have as fine potatoes as I ever saw."

JAMES E. HALL, Miami Co., Ohio. "I never saw such nice smooth potatoes, and as free from prongs, as the Banner. I think it No. 1."

FRANKLIN G. MYERS, Bucks Co., Pa. "The Banner Potatoes I got of you last spring turned out exceedingly well."

HENRY C. WILSON,
Fountain Co., Ind.—
"Your Livingston Potatoes are extra good in yield and quality."

LYMAN R. MILLER, Summit Co., Ohio. "Every one at the Fair pronounced 'The Livingston' the finest they ever saw. They are the finest and best in Auction."

The Livingston Potato.

Introduced by us in 1896. The above photograph gives a very good idea of its size, smoothness and very desirable shape. It has but few and very shallow eyes. Our Seneca Beauty is admitted by all who have ever grown it to be one of the most beautiful of all the many rose-colored varieties, and those familiar with it will at once realize what a beauty it would be if clothed in a white jacket, and especially if it retained its delicate peach blow eyes. That is exactly what we have in THE LIVINGSTON. It is a robust grower, very productive, and its cooking qualities are superb.

Choice Sorted Michigan Grown Stock— $\frac{1}{2}$ peck, 25c.; peck, 40c.; bus., \$1.40; bbl., \$3.50; 5 bbl., \$16.00; 10 bbl., \$30.00.

GEO. W. MACE, Darke Co., Ohio, writes: "This is a very distinct variety. With me it stood at the head in yield of 36 varieties grown in field culture."

DR. TINKER, Tuscarawas Co., O. "The Livingston Potato" got of you 3 years ago proved most valuable. Of 50 or more varieties, the only one that DID NOT BLIGHT in 1898; stands drouth also the best."

Seneca Beauty Potato.

Introduced by us in 1889—This grand good medium late potato was first offered to the public by us eleven years ago, and too much has never been said in its praise. Its beautiful and distinct appearance sells it in any market, and its fine table qualities pleases all classes of customers. 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. One point in its favor, which every grower will appreciate, is its distinct appearance in shape and color, on which account it can be kept pure, and easily sorted out, even if mixed with a dozen other kinds. Half peck, 25c.; peck, 40c.; bus., \$1.25; bbl., \$3.25; 3 bbls., \$9.00; 5 bbls., \$14.00.

Aspinwall

Potato Planters.

We are selling them Lower than ever this season. Don't fail to WRITE US if in need of a Planter. WE CAN INTEREST YOU.

Hybridized Potato Seed.

Potato Ball 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 purchased of us.

Price—Packet, 25c.; 5 pkts., \$1.00. Full directions for planting, cultivation, etc., on each packet.

Every Farmer Boy

ought to "try his hand" with one or more packets of Potato Seed, and his father should get him the seed, give him the ground, and time to attend same. The result is interesting, and often very profitable.

S. W. McC., Duval Co., Florida. "Your hybridized potato seed have done very well. I hope to grow some that will keep in the South."

D. O. FRAYER, Greenwich, Ohio.—"Package of Potato Seed received, and answered my expectations. I raised 35 hillers, from 2 to 71 potatoes to the hill, ripening from August 5 until frost. Largest round potato measured 2½ x 2½ inches; longest 4½ inches; heaviest weighed 4 ozs., and the heaviest hill 19 ozs."

Seed Sweet Potatoes.

Jersey Grown—Carefully dug, handled, packed and stored over winter for us, expressly for sprouting purposes, in the state of New Jersey. We have been bedding and selling this stock for over 25 years and find the potatoes much drier and sweeter than those grown from any 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 the Express or Railroad Company here. We do not ship until about planting time. OUR BARRELS CONTAIN THREE BUSHELS, GOOD MEASURE.

YELLOW JERSEY, or Nansemond—Fine Old Favorite—Peck, 40c.; ½ bus. 75c.; bus. \$1.40; bbl. \$3.50.

RED JERSEY—Best of all reds—A smooth potato with yellow meat. Peck, 50c.; ½ bus., 80c.; bus., \$1.50; bbl., \$4.25.

EARLY CAROLINA—Bright yellow color, fine grained. Desirable for Northern Sections. Peck, 50c.; ½ bus., 80c.; bus., \$1.40; bbl., \$4.00.

"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 sweet potatoes, and we recommend it above all others. Peck, 50c.; ½ bus., 80c.; bus., \$1.40; bbl., \$4.00; 3 bbls. \$11.00.

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.

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.

Will make Special Price for Larger Quantities on application. If you bed out several barrels it may pay you to WRITE US BEFORE YOU BUY.

By WALDO F. BROWN. The most practical and valuable work on the subject. Tells how to make beds, grow plants.

"Forty Years Experience with Sweet Potatoes." set same, cultivate, harvest, store the crop, etc. Anyone can grow Sweet Potatoes without trouble if they will follow Mr. B's carefully written directions. The short cut for a beginner and a help to many old growers. 20c., postpaid, or FREE with orders for a bushel or more of Sweet Potatoes, providing customers ask for them sending their order.

SWEET POTATO PLANTS.

We grow plants by the million, and will be pleased to quote lowest market prices to any one who will write for prices in season. PLANTS BY MAIL (postpaid)—Well rooted Plants or Slips, ready about May 1, at 60 cents per 100.

VEGETABLE PLANTS, ROOTS, ETC.

Prices do not include prepayment of expressage. Sent only by Express, not by mail. No orders received at the following prices unless the whole order amounts to \$1.00 or more, EXCEPT where quoted by mail, postpaid. We keep all the following varieties at hand in their proper season, and can ship fresh from the beds and well packed on short notice. Write for our special MID-SUMMER PLANT LIST, which gives the prices of late Cabbage, Celery, etc. Issued in June.

CABBAGE, EARLY—Ready April 10. Per 50 100 1000
Extra Early Wakefield and All-Head Early... \$ .40 \$ .75 \$4.50
Henderson's Early Summer, Large Wakefield... .65 1.00 7.50

CAULIFLOWER—Ready April 1 to May 1.
Livingston's Earliest and Extra Early Erfurt.
Henderson's Early Snowball... .65 1.00 7.50

CELERY, Early Grown—Ready June 1.
Dwarf Golden Heart, White and Pink Plumes
Golden Self-Blanching and Giant Pascal... .60 1.00 .....
Giant Golden Heart... ..

SWEET POTATO—Ready May 15.
"Up Rivers"
Extra Early Carolina... .25 .35 2.50
Yellow Jersey... ..
By Mail, Postpaid, 60c. per 100.

HEDGE PLANTS.
Osage Orange—Two Years Old... .35 3.00
Honey Locust... .75 4.50

HORSE RADISH SETS—See page 83.
REUBARB ROOTS—See page 47. ASPARAGUS ROOTS—See page 17.

Write us WHEN READY TO BUY Large Quantities of Cabbage, Celery, Sweet Potato and Hedge Plants and we will make LOWEST MARKET PRICES at the date of quotation.

TOMATO—Ready May 1.
Livingston's Acme, Beauty... Doz. 50 100 1000
Buckeye State, Honor Bright, Favorite... } .20 .60 \$1.00 \$7.50
Yellow Prince, Perfection, Paragon...
Stone, Royal Red, Golden Queen...
Dwarf Champion, Dwarf Aristocrat... ..

Lower Prices Later in the Season. We grow immense quantities of TOMATO PLANTS for general export, and are in position usually to make Special Prices on all leading sorts on orders for 1000 to 100,000.

EGG PLANT—Ready May 1. Doz. 50 100
Large N. Y. Purple and Livingston's Mammoth. .25 .85 \$1.50

PEPPER—Ready May 1.
Sweet Mountain, Mammoth Ruby King and } .20 .60 1.00
Bull Nose... ..

HOP ROOTS—Plant very early. Each, 5c.; per doz., 35c. Postpaid.
CHIVES—Good clumps; by Express, each, 10c.; doz., \$1.00. By Mail, postpaid, each, 20c.; ½ doz., 80c.; doz., \$1.50.

ARTICHOKE ROOTS—Lb., 30c.; 3 lbs., 75c.; postpaid. By Express or Freight—Pkt., 60c.; bus., \$2.00; bbl., of 3 bus. (enough to plant one acre), \$5.00.

5000 and 10000 Lots of Plants, Etc., at Lowest Market Prices.

....Livingston's Select Flower Seeds....

OUR FLOWER SEED LIST has been carefully revised, some new kinds added and all inferior kinds cast out, so that there is nothing in the list but what is worthy of cultivation, and, if reasonably well cared for, will give satisfaction. Our aim is to offer nothing but the best and surest to PLEASE, a condensed list of leading kinds, and not the most bewildering and extensive, wishing to please the masses rather than cumber our annual with every unimportant item which only a few people care for. Any flower seed not offered in the following pages will be secured on short notice at the price quoted in other catalogues. 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 some of our most 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.

The figure at the right, opposite each variety denote the price in cents per packets.

DISCOUNT ON PACKET FLOWER SEED.

For 25 Cents select 6 Five-Cent or 3 Ten-Cent packets.
For 50 Cents 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 SENT FREE BY MAIL ON RECEIPT OF PRICE.

ABUTILON.

Flowering Maple or Chinese Bell Flower

Universally admired; few are aware how easily they can be raised from seed, and how beautifully they flower the first season if seed is sown early; should be started in the house and the young plants set out in the garden, but not until the weather is warm and settled. They grow rapidly, and make fine large shrubs, bearing elegant bell-shaped flowers. They bloom freely in winter in the house. Choice Mixture..... 10

ABRONIA.

Trailing plants with Verbena-like flowers. Peel off the husk before sowing. Very fragrant; in bloom a long time; transplant to 4 foot apart. Half-hardy annual..... 5

ACROLINIUM.

A beautiful Everlasting flower, strong growth, about 18 inches high, and bears a great number of rose and white daisy-like flowers with yellow center. Should be gathered the first day they open, or before they are open, and dried in the shade, to secure a bright Center. Rose and White, mixed..... 5

ADLUMIA CIRRHOSA.

Mountain Fringe, or Allegheny Vine.—An attractive, and beautiful hardy biennial climber, flowering the first season, clusters of small rose-lilac flowers and pale green feathery foliage. 15 feet... 10

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; 6 inches... 5
Imperial Dwarf White—Like above, but flowers are white..... 5
Mexicanum—Lavender blue; 2 feet..... 5
Ageratum, mixed..... 5

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. 12 inches..... 5

Sweet Alyssum—White; very sweet; 1 foot, 12, 25c; 3/4 oz, 15c..... 5

Little Gem—Very compact growth, 3 or 4 inches high, but a single plant will cover a space up to three feet in circumference. Grows quick from seeds and will bloom when quite young. The abundance of flowers is simply enormous, 300 blossoms having been counted on a single plant. Oz., 40c; 3/4 oz, 15c..... 5

Golden Saxatile—Free growing dwarf brilliant golden yellow, completely mauncit borders and beds..... 5

AMARANTHUS.

Remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background, or as 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..... 5

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 Veitchii, "Japanese Ivy" or "Boston Ivy"... 5

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. Tall, mixed..... 4 oz, 15c. 5
Choice Striped, mixed..... 5

New Giant White Snapdragon.

NEW GIANT WHITE SNAPDRAGON. A very valuable variety, quite an addition to our choice blooming recently introduced, and abundance of flowers (see illustration) throughout the summer and autumn; compact and branching in habit, producing beautiful Gladioli-like flower spikes by the dozen, from 1 to 2 feet in length. Color pure snow-white, with lemon-tinted throat, and of lovely fragrance. The flowers keep a long time after being cut, thus making them fine for cut flowers..... 10

ANEMONE.—(Windflower.)

These can be grown from seed, and will bloom in the fall..... 10

ANTIGONON.—(Mountain Rose.)

Grand and effective when grown in a sunny spot; climber; hardy with a slight covering..... 5

ASPARAGUS PLUMOSUS NANUS.

(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. It is admirably adapted to house culture..... 10

ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian Parlor 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 in length. Useful for bouquets. Grows freely the year around. (For illustration see Plant Department)..... 20

ASPARAGUS VERTICILLATUS.

A hardy climber having feathery foliage and scarlet berries. Hardy perennial..... 10

ASPERULA.

Odorata—Waldmeister—This charming little plant, which blooms in May and is a hardy perennial, delights in moist, shady situations and is used for border planting..... 10
Asperula, Azurea Setosa—A profuse blooming dwarf hardy annual with sweet scented lavender-blue flowers; 1 foot high..... 5

ASTERS "FALL ROSES."

This has become one of the most popular, beautiful and effective garden plants, growing from ten to twenty-four 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. One of the leading cut flowers of the day, because very profitable.

JEWEL, or BALL—(Cut 2)—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..... 10

MIGNON—(Cut 3)—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. Mixed, New Shades..... 10

MIGNON—Peach Blossom—Very fine, 10. Light Blue—Superb..... 10
Pure White—None surpass this splendid white for cutting..... 10

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 Liliput Dahlia flower. Its elegant, faultless shape makes it valuable as a cut flower..... 10

GIANT WASHINGTON, or JUBILEE—Resembles the Victoria Aster but the flowers are much larger. Good for cut flowers and bound to please all who like a tall-growing Aster with immense sized flowers. 2 feet. Mixed, Many Lovely Colors..... 10

WAXY BRANCHING—A favorite variety with branching character and fine, large flowers on long stems; excellent for cutting. Two feet high. Mixed Colors, 10c. White, no finer..... 10

H. L. Simpson, Licking Co., Ohio, writes: "The finest Asters I ever saw I raised last year from a packet of your Aster seeds."

LIVINGSTON'S SUPERB ASTERS.

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 Packet, 20c. Regular size Packet..... 10

COMET, or POODLE ASTERS.

COMET—(Cut 6)—A grand new race of Asters. We have seen specimen flowers so large and so double, and having such long and beautifully curled petals as to be scarcely distinguishable from a Japanese Chrysanthemum. Mixed, splendid variety of Colors..... 10

COMET—Pink Flowers—A very choice shade of peachblow pink..... 10

COMET—White—Very choice, small flower..... 10

COMET—Lavender—A lovely shade of light blue..... 10

GIANT COMET—“Snow White”—Grand; pure white; flowers of immense size and of wonderful perfection..... 10

GIANT COMET—“The Bride”—For elegance of form and delicate coloring it is unequalled—color at first white, changing to a lovely pink, finally to a beautiful rose. For cut flowers, “hard to beat”..... 10

GIANT COMET—PINK—The pink of all Pink Asters..... 10

GIANT COMET—Mixed—The above and several other good colors in proper mixture..... 10

VICTORIA—(Cut 1)—A very free bloomer; flowers very large; beautifully imbricated; plant pyramidal in form. Mixed, all colors..... 10

VICTORIA—Light blue—Large and fine; the finest of the blues..... 10

VICTORIA—White—Flowers large, perfect in form, of purest white..... 10

VICTORIA NEEDLE—A remarkably free blooming variety, with large double flowers of a very unique appearance. The petals are curved and as round as a needle. Many Colors Mixed..... 10

DWARF VICTORIA—Dark Scarlet—One of the finest, and might well be called a FIREBALL, on account of its brilliancy; the perfect flowers are borne in great abundance on a neat bush about ten inches high; effective in heds, 10c. Mixed Colors..... 10

NEW ROSE—(Cut 4)—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 ins. high. Mixed..... 10

CROWN WHITE CENTER—(Cut 5)—Flowers of this beautiful class are two-colored; the center of each 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..... 10

QUEEN OF THE MARKET ASTERS.

After growing this for several seasons we pronounce it one of the most satisfactory of all; it is about two weeks earlier than most other Asters, a most 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..... 10c. Pure White—Splendid..... 10

Pink—Splendid..... 10c. Blue—Very fine..... 10

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. All Colors Mixed, 10c. Pure White..... 10

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.

Choice Colors Mixed..... 10c. Pure White..... 10

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. Many Distinct Colors Mixed..... 10

GERMAN QUILLED—Well-known favorite and very distinct sort; a free bloomer; good for cutting. Many Finest Varieties Mixed..... 5

OR ANY THREE 10-CENT PACKETS FOR 25 CENTS.

ASTERS—CONTINUED. 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 four inches in diameter on long stems; flowers very double and of the 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.

Sample's Pure White. 10
Sample's Shell Pink. 10
Sample's Lavender. 10
Sample's Fine Mixed. 10
Any 3 Packets 20c.

"I grow Sample Asters from seed sown latter part of April that measured 5 1/2 inches in diameter, with stems 3 feet long."—J. C.

Uhland Globe Asters

Paeony-Flowered—Excellent; large flowering. Mixed Colors. 10

The Popular Sample Asters.

Paeony-Flowered Perfection 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 incurved. The colors are peculiarly rich and brilliant, and the refined form of flower attracts great attention. 1 1/2 to 2 feet.

Livingston's Premium Balsams.

Rex Begonia.

PEONY-FLOWERED ASTERS.

Mixed, Many Exquisite Colors.....	10
Snow White.....	10
Brilliant Scarlet.....	10
La Superbe—Sky-blue, tipped white.....	10
Dark Blue—Extra fine.....	10

Balsams.

"Lady Slipper." These are old favorites with everyone, owing to their handsome double flowers, brilliant colors and stately growth. To produce very double flowers they must be transplanted into a rich soil 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. Extra Double and very Large Flowers.—We beg to call special attention to the excellence of this unequalled strain. The flowers are immense in size, fine form and as double as a Camellia, which they resemble. The colors are as varied and brilliant as could be desired, even by the most fastidious; so double that it is a very shy seeder.	Livingston's Premium Mixture.....	10
Light Lemon—Very fine.....	5c	
Double Spotted—In splendid mixture.....	10	
Double Camellia-Flowered—Best Mixed—Many kinds and colors.....	5	
Double White Perfection—"Queen's White"—Flowers snow white, as round as a dollar and of immense size.....	10	
Carnation-Striped—Many colors, Finest Mixed.....	5	

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 second 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..... 25
Single, Mixed—Extra fine..... 20

Fibrous-Rooted Begonias. A most excellent class for for outside if given a partly shaded location.

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 well-grown plant is one of the best ornaments to a conservatory or parlor, while a large bed of them in the garden will be the admiration of all beholders.....10

NEW VULCAN—The best bedding variety, on account of profusion of bloom, beautiful foliage and hardy growth; flowers of the most intense fiery scarlet color.....10

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. Finest Mixed.....25

New Vulcan Begonia.

BALSAM APPLE AND PEAR. Very curious vine with ornamental foliage; its large golden yellow fruit is warty, and, when ripe, opens, showing its brilliant carmine interior; 10 feet. **Balsam Apple and Pear, Mixed.**..... 5

BRYCHOME. (Swan River Daisy.)—Free-flowering dwarf plants, covered the greater part of summer with a profusion of pretty Cineraria-like flowers; suitable for edgings, small beds, baskets or pot culture; half-hardy annual. **Light Blue and White Mixed**..... 5

BARTONIA. All summer it produces showy large golden flowers above its gray and downy thistle-like foliage; does not bear transplanting; hardy annual. **Aurea.**..... 5

BALLOON VINE. ("Love in a Puff")—A very rapid growing and 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 small balloons, which, with its beautifully cut leaves and foliage makes a delightful porch screen. 5

CENTAUREA CYANUS—(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 bunch of the blue corn flower being a favorite boutonniere.

Blue Emperor or Corn Flower—Fine rich blue. 5

Bachelor's Button—A choice mixture. 5

Bachelor's Button, New Double—Many new and novel colors of large double flowers in Choice Mixture. 5

New Margaret—A beautiful new annual. The plants grow about 15 inches high, and are of the easiest culture. Its large flowers are of the purest white, exquisitely fragrant, and are produced in great abundance. Admired by everybody everywhere. 5

New Chameleon—Pale yellow on opening, turning to lilac, finally to a beautiful rose color. 5

Odorata—Sweet scented. Mixed. 5

Imperialis—The flowers are of the same graceful form of Centaurea Margaret, but nearly double the size; blooms in great abundance from July until frost; highly fragrant; very popular. **New Large Flowering Hybrids, mixed colors** 10

New Dwarf Victoria—Pretty globular bushes, dark blue flowers; pretty for edging or pots. 5

New Double Corn Flower.

Americana Alba—New. A native annual variety of strong growth; free bloomer; the stems shoot up from 1 to 2 feet; flowers large, nearly white, fluffy; excellent for cut flowers, the flowers lasting several days when cut. 10

CALCEOLARIA.

Unsurpassed for pot culture in the greenhouse or conservatory, producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, their richness, diversity and variety of color.

Spotted and Self-Colored, Finest mixed..... 25

LARGE FLOWERING SELF COLORED, mixed—Flowers not spotted or marked. 25

CATCHFLY—(Silene.)

A showy, early, free-blooming annual of easy culture, growing in any garden soil. Colors red, white and rose, mixed. 5

Calceolaria.

CALENDULA.

Showy, free-flowering, hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders; continues in bloom until killed by frost; 1 foot high. **Choice mixed**..... 5

Crotalaria Retusa.

WHITE LEAVED OR DUSTY MILLER VARIETIES.

These are planted for bedding or borders, not for flowers.

Gymnocarpa—Silver gray foliage. 1 1/2 feet. 1

Candidissimi—Leaves silvery white. 1 foot. 1

CANDYTUFT.

The Candytuft is among the most highly prized of garden flowers. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom; sow in rows six or eight inches apart, and thin out the plants so that those remaining will have plenty of room. The soil should be rich, and when blooming time comes keep the plants well watered. The plants are very branching, and it is sometimes necessary to prune away some of the shoots in order to increase the size of the flowers. The Rocket Candytuft grows in compact spikes; the new dwarf varieties are only about six inches in height, and their season of blooming is very long.

New Empress—A magnificent variety, with enormous heads of pure white flowers. 10

White Rocket.....Oz., 15c. 5

White Fragrant.....Oz., 15c. 5

New Dwarf Hybrids—Of dwarf habits and perfect shape, abundant flowers, from pure white to dark purple. .... Oz., 20c.

Mixed, all Colors.....Oz., 20c.

Candytuft, Empress.

CLARKIA.

The Clarkia forms very pretty bushy plants, from 12 to 18 inches high, are free bloomers, very easy culture, and will thrive in any garden without extra care. Hardy annual. **Choice Mixed Colors**.....Oz., 20c.

CROTALARIA RETUSA—West India Rattle Box or Golden Bush Pea

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 flowers fragrant, and in color golden yellow, except the keel in the center, which looks like brown velvet, and are followed by clusters of short, smooth pods, in which, when shaken, the seeds sound like a child's rattle, hence its common name. 1

CYPERUS, or Umbrella Plant.

Grows finely in water with rich soil or mud. Graceful foliage plant; fine for vases, fountains; easily raised from seed; tender perennial. For illustration see Plant Department. 1

MRS. J. STEIERT, Erie Co., Ohio, November 5, writes: "Your collection of flower seeds I received from you last spring was all that you represented them to be. The Asters especially were beauties. I was very much pleased with them all."

Large-Flowering French Cannas.

LARGE FLOWERING FRENCH CANNAS.

- Queen Charlotte**—Brilliant orange-scarlet with wide margins of yellow.....10
- Crozy's New French Hybrids**—Saved from the handsomest of the many new varieties. Early bloomers and remarkable for beauty of both flower and foliage. **Extra fine mixed**, many varieties.....02. 25c. 5
- Madame Crozy**—Clusters of vivid vermilion-scarlet flowers, with deep golden-yellow borders.....10
- Chas. Henderson**—Deep rich crimson, very fine.....10
- Florence Vaughan**—One of the best yellows spotted with red.....10
- Chicago**—One of the finest reds in cultivation.....10
- Egandale**—Bronze-leaved, currant red flowers; a great favorite.....10

CANNAS
FROM SEED.

Few, if any, surpass as a bedding plant for the American climate. It blooms from seed the first summer if sown early (before April). The seed should be soaked in warm water several hours before planting. Plant in a sandy loam and place in a hot bed or warm window, when up to the second leaf, transplant singly and hold until weather is warm outside.

The Canna has no equal for stateliness, brilliancy and variety of colors and ever-blooming qualities. The flower spikes are produced all seasons, and if well potted in the fall they make a fine plant for winter blooming in the house. The roots may be taken up and kept like dahlias over winter.

Campanula.

CAMPANULA.

A well-known beautiful hardy herbaceous perennial, bearing a great profusion of attractive bell flowers, thriving best in light rich soil; some of the varieties bloom the first season if planted early. *Carpatia* and *Speculum* are fine for beds, edgings and ribbon-gardenings.

Carpatia—Free flowering, blue and white, continuing bloom the whole season. Fine for groups and edgings. Six inches. Hardy perennial. Mixed..... 5

CANARY BIRD VINE.

One of the most desirable climbing plants, growing rapidly to a height of 10 feet; produces an abundance of bright yellow fringed flowers, which resemble a canary bird with extended wings..... 5

CANTERBURY BELLS.

Very ornamental garden plants of easiest culture, beautiful large well-shaped flowers. Hardy perennial. 2½ feet.

Double Annual Varieties. Finest Mixed..... 5

Single Annual Varieties. Mixed..... 5

"Cup and Saucer" Canterbury Bells—(*Calycanthema Campanula*). This is a fine variety, producing plants with white and blue flowers resembling a cup and saucer. Mixed..... 5

CASTOR BEAN—See Ricinus.

MRS. MARTHA MAROMEY—Clinton Co., Ind. "Your seeds are worthy their name ('True Blue'). I have used them for 9 or 10 years and they always give good satisfaction."

CLIFF A. WILL, Somerset Co., Pa. "We had some of your seeds last year and were very much pleased with them; never had better."

CALLIOPSIS,
or **COREOPSIS.**

Very handsome, showy plants, with numerous flowers of brilliant colors, of long duration in bloom, excellent for cutting. Of the easiest culture, as they grow rapidly, require no care and thrive in any garden. Seed grows very readily and may be sown where plants are wanted to flower.

Coronata—Showy, large yellow flower..... 5

Golden Wave—(*Drummondii*)—Bushy, compact plants, covered all summer with hundreds of bright golden flowers two inches across, distinctly marked with dark brown center..... 5

COLUMBINE—(Aquilegia.)

Exceedingly showy, early blooming, hardy plants, especially valuable for the peculiar formation of their flowers and the great variety of color. Hardy perennial. **Double, Mixed**—finest colors..... 5

CYCLAMEN.

These elegant greenhouse perennials have been vastly improved of late years. Our strain is selected from the improved English sorts, and is conceded to be unsurpassed. Cyclamen seed sown early will bloom the following winter. **Can We supply the Blooming Buds.** (See *Bud Page*.)

Persicum—Finest mixed colors.....10

Giant Persian—A magnificent strain with large flowers of rich and varied colors, and large beautifully marked leaves. Mixed.....25

CUPHEA, Cigar, or Firecracker Plant.

A pretty bedding or pot plant, familiarly known as Cigar Plant, on account of its fancied resemblance to a lighted cigar. 1 foot..... 5

CHRYSANTHEMUM.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; also good for pot culture, distinct from Autumn flowering varieties.

ANNUAL VARIETIES.

Brilliant Crimson—Very showy..... 5

Golden Feather—White banded crimson, inner ring canary yellow, maroon eye..... 5

Inodorum Flore Pleno—Best new sort, with large double white flowers; a free-bloomer; excellent cut flowers..... 5

Single Varieties—Finest mixed..... 5

Double Varieties—Finest mixed..... 5

All sorts Annual Varieties, Double and Single, in finest mixtures..... 5

Chrysanthemums.

PERENNIAL CHRYSANTHEMUMS.

The following varieties are for pot culture, for blooming in the house in winter, and for florists' cutting for bouquets.

Japanese Hybrids—These are gorgeous autumn-flowering plants. Quite distinct from the old varieties in style of flowers. Seed sown early will produce strong flowering plants the first year.

The seed we offer is from a choice collection of named varieties.

Double Superb Mixed—All types.....25

Double Good Mixed—All types.....15

Fritescens—("Marguerite," or "Paris Daisy")—Very popular among florists. The pretty star-shaped white flowers are freely produced and easily grown.....10

Maximum—An extra large free-flowering daisy—4 inches across, pure white with yellow centers; has long stout stems; lasts a long time when cut; desirable for decorative purposes.....10

MRS. E. C. MARQUIS, Platt Co., Ills. "We think that your seeds cannot be beaten anywhere, and I doubt if they can be equalled."

MRS. CORA WELLS, Licking Co., Ohio. "Your seeds last year proved a success, as they always do. We garden only for family use, but always want 'The Livingston Seed.'"

COBÆA SCANDENS.

CENTRANTHUS.

COLEUS

CONVOLVULUS MINOR.

COBÆA. A fine rapid growing annual climber, with handsome foliage and large, beautiful bell-shaped flowers. Seeds should be started in a hot-bed or by a warm window in the house, in rather dry soil, as they are apt to rot in open ground. In sowing, place the seed edge down, and do not water unless in a warm place, and the soil becomes very dry. A well established plant will run fifty feet in a season and cover a large veranda. 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, and are excellent for bouquets and floral work. Hardy annual. Mixed Colors, pkt., 5c.

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-houses, 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. 10

Paniclata—A fine climber, abundantly covered from top to bottom with pure white, fragrant flowers and pretty red seed-pods. 10

An Excellent Plant for Cemetery Use.

CINERARIA.

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.

Extra Fine Hybrids—A mixture made up of the finest and showiest varieties possible to obtain from special growers. 15

Fine Quality Mixed Hybrids. 10

New Large Leaved "Fringed Coleus"

The leaves are extremely large and superbly variegated, deeply cut, laciniate and fringed. The colors and markings are new and fine. 15

COSMOS. (HYBRIDUS)—Cosmos 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, and can be transplanted or grown from cuttings. When well started should be transplanted after to stand two feet apart.

GIANT WHITE—Large pure white flowers; very beautiful; valuable for florists. 5

GIANT PINK—Large delicate pink flowers. 5

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. 5

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; color pure white, flushed with a delicate tinge of rose. Packet, 10c.; 3 for 25c.

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 HYBRIDA—Choicest prize varieties mixed. 20

LARGE FLOWERING—Second quality. Very good. 15

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. 10

Large Flowering 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.

Crimson-Violet—White, with crimson-violet margin. 5

Striped—White, striped blue; a beauty. 5

Choice Mixed—Many varieties. Oz., 15c. 5

Mauritanicus—A beautiful trailing plant for hanging baskets, etc. Handsome blue flowers with white throat. 5

CONVOLVULUS MAJOR, CLIMBERS—See Morning Glory.

COCCINEA INDICA.

(Scarlet Fruited Ivy-Leaved Climber.)

A handsome climber, with ivy-like foliage, beautiful, smooth, glossy leaves, bell-shaped flowers, and brilliant carmine fruits two inches long. Half-hardy perennial. Ten feet. Packet, 10c.

COLLINSIA.

Very pretty free-flowering annuals, with a great variety of colors. Fine for massing or raised flower beds. 1 to 2 feet. Mixed Colors, packet, 10c.

CLEOME PUNGENS.

"Giant Spider Plant."

Showy plant of easy culture. Has curious heads of bright rose colored flowers; blooms early to late. Packet, 5c.

"Early Dawn."

Carnations and Picotees. Pinks

The most magnificent of all the Pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground; protect during winter; half-hardy perennials. 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.

NEW MARGARET CARNATION.

CARNATION PICOTEE.

Carnations and Picotees—Stage-Flowers, all classes. Extra Fine Mixed—Of unrivaled quality, and certain to give satisfaction to the most critical	25
Perpetual or Tree Carnation—Double Choice Colors Mixed	25
Picotee—Fancy Double Mixed	25
Scarlet Grenadin—Dwarf and compact; brilliant double scarlet; very early	10
Finest Mixed—Saved from the finest double named flowers	15
Fine Double Mixed—A small percentage will come single	10
Early Flowering Vienna—For open ground culture. CHOICE DOUBLE MIXED, ALL COLORS	10

• • New Margaret Carnation. • •

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 spring commence flowering in early summer, and continue to bloom in profusion until checked by frost, when they can be potted and taken into the house and will flower all winter, though, if intended specially for winter flowering, it will be better to sow later in the season. The plants are abundant bloomers, quite dwarf, much branched, compact and robust in habit, stands upright without support.

Mixture of Choice Colors	5
Giant Margaret—A NEW and very fine LARGE FLOWERING strain. Mixed	10

Dahlias. From the Seed.

Many are not aware that Dahlias from seed sown in the spring will bloom beautifully the first summer, and give good satisfaction. From one or two papers of 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 open ground as soon as the weather permits.

Double Large Flowering—From select flowers. Extra Choice Mixed	10
Large Flowering, Double—Fine mixed	5
Double Pompon (Bouquet)—EXTRA CHOICE mixed, small flowered. 10	
Double Pompon—Good mixture	5
Tom Thumb, Dwarf—NEW, VERY FINE, double Cactus type	10

Cactus Dahlia—Distinct and beautiful; worthy of general cultivation. Finest Mixed .....

Single Flowered, Mixed colors—Flowers large, perfectly star shaped, formed of broad petals. THEY GROW AND BLOOM VERY SOON FROM SEED. 5

Striped and Spotted—New and very beautiful, with finely cut foliage and large single flowers of perfect form and brilliant colors. Mixed 5

Tom Thumb, Single—Very dwarf—only about twelve inches high and twenty-four inches across. Splendid colors. 10

LIVINGSTON'S MIXTURE, of Many Colors and Kinds. 2 packets, 25¢ .....

Cockscomb. (Celosia 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 oftener they are transplanted, or shifted, the larger and more beautiful they grow. Should be 3 feet apart.

New Japan—The combs are delicately cut, while the colors are the brightest imaginable. 5	
Queen of the Dwarfs—It grows only eight inches high; combs seven to ten inches across, of perfect form and of brilliant dark scarlet. 10	
Glasgow Prize—Very dwarf; immense crimson combs; 1 foot. 5	
Golden Beauty—Golden yellow combs; plants only one foot. 5	
Dwarf—Choice mixture of all sorts and colors. 5	

Ostrich Plume Cockscomb. (Celosia Plumosa.)

Handsome branching plants, about 2½ feet high, with long, graceful feathery plumes.

Crimson Plumed .. 5c.	Orange Plumed .. 5c.	Mixed Colors .. 5

Cypress Vine. Ipomœa Quamoclit.

This is a most beautiful climber, with delicate, dark green, feathered 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 stakes, and trained properly, nothing is prettier. The seed will sprout more readily if warm water is poured on the ground after sowing.

White .. 5c.	Scarlet .. 5c.	Mixed .. 5
IVY LEAF—Fiery scarlet flowers; heart-shaped leaves. 5		

Datura. Trumpet Flower.

An attractive plant with large foliage and 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. 5

Wrightii—Large, single white flowers. 5

Double Golden—Brilliant yellow flower of immense size, very showy and fragrant; very double. 5

Double White. 5

Double Purple. 5

Fastuosa—Fine double, mixed colors. 5

CORNUCOPIA.

DIANTHUS PINKS.

CHINA AND JAPAN.—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 are useful house plants. Double varieties produce flowers as large as Carnation or Picotee. Hardy annuals that bloom the second season also if not allowed to bloom too freely the first. One foot high.

.... DOUBLE ANNUAL VARIETIES. ....

- Chinensis** (China or India Pink)—Superb varieties, double, mixed. Ounce, 30c. 5
- Hedewigii** (Double Japan Pink)—Beautiful double flowers; mixed colors. Oz., 50c. 5
- Diadematus** (Double Diadem Pink)—Large flowers of dark shades, marked with white and black colors; rich and beautiful. Oz., 75c. 5
- Imperialis** (Double Imperial Pink)—Choice colors mixed. 5
- Alba Flore-Pleno** (Snowball)—Double white, fringed flowers; fine. 5
- Mourning Cloak** (White Frill)—A splendid variety, with very double large flowers, of rich purple maroon, almost black, each petal edged with a margin of pure white; distinct; very fragrant. 5
- The Bride** (Little Gem)—A charming new white with rich purple center; very pretty. 5
- Laciniatus** (Double Fringed Japan)—Magnificent flowers, very large, petals deeply serrated and beautifully striped. 5
- Fireball**—Densely double dark blood-red flowers; extra fine. 5
- Double, Mixed**—Many choice kinds. Large Pkt., 10c; regular pkt. 5

..... SINGLE ANNUAL VARIETIES. ....

- Crimson Bell**—Very large, single, brilliant dark red flowers. 5
- Eastern Queen**—Magnificent single flowers, two to four inches across. Most splendidly striped and stained. 5
- Hedewigii, Mixed**—Flowers 3 inches across; rich, beautiful colors. 5
- Laciniatus, Mixed**—Flowers very large, sometimes three inches in diameter, petals very deeply fringed and beautifully colored. 5
- SALMON QUEEN**—A most beautiful new single pink; the tints are distinct from all others; of the most brilliant salmon color imaginable; finely formed and nicely fringed. 10

..... HARDY PERENNIAL VARIETIES. ....

- Adapted for beds and borders; *sweet scented*; should be in every garden.
- PLUMARIUS** (Pheasant Eye)—A beautiful single pink, fringed edge, white flowers with dark center. 5
- PLUMARIUS, Double**—large flowering; fringed; many colors. 10
- NEVER PERPETUAL**—Very beautiful, sweet scented, double, semi-double and single flowers in a great range of colors. 10
- GARDEN, OR CLOVE-SCENTED PINKS** (Hortensis Varieties)—Beautiful double. Mixed colors. 5

DOUBLE DAISY.

(BELLIS.)

A charming little plant for pots, edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in early spring and may be made to flower later by the use of water. Plants can be removed easily, even when in flower. Tender perennial. Six inches.

Double Mixed—Finest German seed. 5

Double White—Very fine. 5

Longfellow—Very double dark pink flowers; of unusual size. 10

Snowball—A large and very double pure white daisy. Flowers on long stems; excellent for cutting. 10

DOUBLE DAISY.

DRACÆNA.

(Club Palm.)

Beautiful ornamental leaved plants suitable for vases and house-decoration. Mixed—Splendid sorts. 10

ESCHSCHOLTZIA

(California Poppies.)

Summer-flowering annuals with very showy flowers. Sow where wanted to bloom, as they do not bear transplanting. Thin to 6 inches apart. The fine bushy plants grow about 1 foot. One of the best garden plants and easily grown. The large, brilliant saucer-shaped flowers are produced in great profusion.

California—Sulphur; orange center. Single. 5

Mandarin—Large flowers of a bright scarlet; inner side rich orange. Single. 5

Finest Mixed Single—5c. Double Mixed. 5

ESCHSCHOLTZIA.

DIGITALIS. "Foxglove" or "Witches' Fingers." Ornamental hardy border plants, easy culture, having long spikes of showy flowers. 3 to 5 feet. Mixed Colors. 5

Spotted Varieties—Very beautiful. Mixed. 10

EDELWEISS. *Gnaphalium Leontopodium*—Famous and true Edelweiss of the Alps. Flowers of a downy texture, pure white, star-shape; easily raised from seed. 10

EUTOCA. Free-flowering; for beds, borders, etc.; excellent for cutting, because a branch placed in water will bloom many days, and is intense in color. Succeeds best in warm soil, not too rich. Hardy annual.

Eutoca Viscida—Mixed Colors. 5

EUPHORBIA.

Strong growing annuals suitable for beds 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. 5

Heterophylla—An annual. 5

Mexican Fire Plant, Painted Leaf—An annual resembling in habit and color the beautiful hot house Poinsettia. Plants grow 2 to 3 feet high of bushy-like form, with smooth glossy green leaves, which, about midsummer become a beautiful orange scarlet, presenting a striking and brilliant appearance. 10

EUPHORBIA.

ECHEVERIA. (Hen and Chickens.) These seedlings will furnish a real surprise, for few people have any idea of the great variety, both in shape and coloring, that are found among the Echeverias. *Easily and cheaply grown from seed.* Many varieties Mixed. 3 Pkts., 25c.....10

FERN. 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.
Hardy Mixture—A fine collection of best kinds for outdoor culture.....10
Mixture—for greenhouse, not hardy.....15

FOUNTAIN PLANT. New Purple. Resembles a charming dwarf pampas grass, with most beautiful purple plumes. An elegant and graceful plant.....10

FOUR O'CLOCK
(Marvel of Peru.) Old-fashioned, but none the less beautiful. The plant is bushy, two feet high and bears hundreds of flowers during the summer. The flowers are funnel-shaped, white red and striped; very fragrant. Will grow in any good garden soil, from seed sown in open ground. Hardy annual. **Four O'clock**—Mixed colors, ounce.....15
Variegated—Gold striped foliage, brilliant flowers.....Oz. 25
Tom Thumb, dwarf—Handsome little dwarf bushy plants about twelve inches high, filled with many flowers. All colors—mixed.....5

SWEET SCENTED (Longiflora)—Long white, very fragrant flowers.....5

FREESIA. Very easily grown bulbs, which can be readily produced from seed and flowers bloom the first season. Flowers pure white with yellow throat, and exquisitely fragrant.....5

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 in open ground while the plants can be taken in the house in the winter, where they flower still more freely. **Finest Single and Double varieties, Mixed**.....15

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. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. Blooms the first year from seed if sown early. Seed sown in autumn will succeed best, and flower in early spring. Hardy perennial.
Alpestris—bright blue, free blooming.....5
Victoria—Of blue habit; covered with large, azure-blue flowers; very fine.....10
Alpestris—Alba—pure white; ½ foot.....5
Double—Large sky-blue flowers; clear yellow eye; distinct; very fine.....5
Disitiflora—Compact habit; profuse early bloomer; large flowers of exquisite blue; an attractive bedding plant; ½ foot.....10
Semperflora—Charming dwarf variety; thrives in sun or shade; flowers early to late with beautiful blue flowers.....5
Forget-me-Not—mixed kinds.....5

GERANIUMS
FROM SEED.
Zonale—Mixture of largest and finest sorts.....10
Double Varieties, Mixed.....25
Variegated Leaved—Bronze, Gold, Tri-color sorts.....15
Lady Washington—Pearly-gums—splendid mixed.....20
Apple Scented—Fragrant.....10

GLADIOLUS.
Magnificent plants with sword-like leaves and long spikes of flowers of every conceivable color and shade. The varieties are now numbered almost by thousands, each year bringing forth new and choice selections which have been produced from seed.
Half hardy perennial.
A Splendid mixture.....10

Geranium.

GILLA. 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. 1 foot. **Mixed Colors**.....5

GLOXINIA. The Gloxinia is a grand flower and makes a lovely pot plant; as easily grown and cared for as many of the common flowers. Without seeing them no one can appreciate their unrivaled beauty; 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 the house when cut two weeks.
Our Splendid Mixture, of best kinds, is unsurpassed.....25

GLOBE AMARANTH. (Everlasting.) Annuals with bushy plants two feet high, bearing profusely; an excellent everlasting or immortelle; also ornamental as summer blooming plants; flowers globe-shaped, white, purple, orange and variegated; retain their shape and color for years; also good for cutting as fresh flowers. By some called "Bachelor's Button." **Double Mixed Colors**.....5
Dwarf Double, Mixed—Of very compact, dwarf habit.....5

GOLDEN ROD. National Flower of the United States. The favorite golden yellow, hardy perennial. Four to six feet.....5

GOURDS. Small Ornamental Gourds. Sorts. A great variety of curiously formed and marked fruit. The vines are of rapid growth and with luxuriant foliage; adapted for covering screens and arbors; 10 to 15 feet high.
Mixed, many beautiful kinds.....Oz. 40 5
For other varieties of Gourds see Vegetable list.

GYPSOPHILA. Small fragrant flowers of blue or white long, feathery stems. No flower adds more light and grace to a bouquet than this, and when once grown will be found indispensable in bloom from July until frost. Although not belonging to the immortelle class, the flowers dry finely and are desirable for winter bouquets.
Muralis, dwarf annual of compact growth, ½ feet for edging; flowers pink.....5
Paniculata—A graceful hardy plant; flowers in feathery white panicles; ½ feet.....5

GREVILLEA ROBUSTA ("Silk Oak.") Beautiful and graceful foliage; highly valued as a decorative plant for the table. *Easily raised from seed*.....10

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, growing in almost any good garden soil.
Bijou—Flowers splendid, white with large carmine spots; bears two to three hundred flowers to a plant, 12 inches in diameter.....5
Fine Mixed—Many sorts and colors.....5

GAILLARDIA.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of the flowers, continuing in bloom during summer and autumn.
Lorenziana—One of the most valuable annuals we have for cut flowers; beautiful and distinct in appearance; flowers globular, borne on slender stems; finely fringed; early; continuous in bloom until frost.
Double, Finest Mixed—A rich mixture.....5
Single Flowering Varieties—Many beautiful colors.....5
Grandiflora—One of the most showy and perpetual blooming hardy plants. Many colors mixed.....5

HELIANTHUS. (Sunflower.) A well known genus of most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers; also said to absorb the miasma from the atmosphere, thereby being a fever and ague preventive.

Yellow—New and beautiful; blooms all summer to late fall; small green foliage, fine yellow flowers with black disc; splendid for cutting. Flowers 2 to 3 inches across; grows 3 to 4 feet high.....5
Sunflower—Our Mixture.....Oz. 15 5
Miniature—A showy variety of dwarf branching habit; profusely all season; flowers 2 inches in diameter, orange yellow, black center; elegant shape, finest for wearing or bouquets; 3 feet.....5
Globe of Gold—Globe shape, extra double; large flowers, very much resembling a fine yellow dahlia; 4 feet.....5
Mammoth Russian—Very large, single flower.....Oz. 10 5

HUMULUS JAPONICUS. (Japan Hop)—This new is a splendid annual climber for rapidly covering arbors, walls, terraces, etc. **Japonicus**.....10
New Variegated—Leaves beautifully variegated with white.....10

HYACINTH BEAN. (Dolichos Lablab.) A splendid annual climber, with abundant clustered spikes of purple and lilac flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth, climbing 20 feet in a season. **Purple and White, mixed**.....Oz. 15c 5

Gourds.

Gaillardia.

Double Hollyhock.

HOLLYHOCK. The Hollyhock, in its present state of perfection, is very unlike its parent of olden time; it now ranks with the Dahlia, Aster, etc. For a background to Tower-garden, perhaps no plant is so useful: the flowers are as double as a rose, of many shades of color. Hardy perennial; five feet high. The seed we offer of this handsome flower has been saved from the best collections in Europe.

NEW FRINGED MAMMOTH DOUBLE, ALLEGHENY.

A decided improvement over the old-fashioned variety. Its fine, transparent, fringed flowers look as if they were made up of crushed silk, and are from FIVE to SEVEN inches across. Colors—shell-pink, rose, ruby-red, etc. A plant filled with flowers is very handsome and as flowers to wear they are very lasting. Perpetual bloomers.

SUPERB DOUBLE VARIETIES.

Pure White	10	Pink	10
Faust Black	10	Lemon color	10
Extra Choice—Double mixed, many kinds	10		10
Good Mixture	5		5

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 verbenas. Seed sown in open ground the plants will flower in August, while a fine display can be had earlier by starting the seed in the house and setting out plants when the weather is warm.

King of the Blacks—Very deep	10
Boule de Neige (Snowball)	10
Dr. Livingston—Very fine dark sort	10
Choice Mixed—Dark flowering sorts—very fine	5
Fine Mixture—light and dark shades	5

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. A beautiful plant for window culture in winter. Tender perennial. One foot.

Sultan—Bright rose	10
Hybrid—Finest Mixed	10

JOB'S TEARS—(Coix Lachrym.)

An ornamental grass which, when dried and tastefully arranged with everlasting flowers, makes an attractive winter bouquet. Half hardy annual. One to two feet.

KENNILWORTH IVY—(Linaria Cymbalaria.)

A hardy and pretty little climber for covering rock-work and very useful for hanging-baskets, vases, etc. Hardy perennial.

LUPINUS. (San Dals.)—Strong growing garden annuals of

easy growth, with graceful spikes of rich colored flowers; useful for mixed beds and borders. 1½ to 3 feet. Finest Mixed Colors.

HIBISCUS.

A branching plant of the easiest culture, with very pretty foliage and large flowers, exceedingly showy, and continue to bloom from June to October. Sow seed early. Hardy annual.

Africanus—Flowers cream-yellow, with purple center.

Crimson Eye—One of the best plants of the recent introduction. The very large white flowers have a deep crimson center. Succeeds anywhere and blooms profusely.

Giant Yellow—A shrubby perennial with flowers 6 to 9 inches in diameter. The color is a rich deep canary with velvety garnet center. Seed should be started early in the greenhouse or window, so as to set out early in the season.

Hibiscus, Crimson Eye.

HELICHRYSUM—(Everlastings)

Large, full, double everlasting flowers, of various colors, from bright yellow to scarlet, shaded and tipped, also pure white. Peculiarly desirable as dried specimens, and exceedingly handsome bouquets may be formed of them for winter, if blossoms be gathered when on the point of expanding. Sow in spring in any good garden soil, and thin the plants to one foot apart each way.

Large Flowering Double Mixed, rich mixture.

Dwarf Mixed—A mixture of many choice dwarf kinds.

Ice Plant.

A singular looking 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 warm situation. Tender annual.

Ipomoea. MOON FLOWERS. BRAZILIAN MORNING GLORIES

Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees, they are invaluable.

New Northern Light—The earliest blooming of all evening glories; its lovely pink, lavender colored flowers are about two inches in diameter, has large, handsome foliage; a great drought resister, remains fresh and green when others are yellow and withered for lack of moisture; rampant growers from the very start; will grow fifty feet in a very short time.

Brazilian Morning Glory—(Season)

Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters, very freely from July to frost. Leaves 8 to 12 inches across. As a quick growing vine and dense shade it has no equal, covering an enormous space in a few

weeks' time. We know of nothing better for covering trees, porches, etc.

Coccinea—Small scarlet flowers in profusion; also known as the "Star Ipomoea".

Bona Nox—(Evening Glory)—Violet, large, fragrant flowers, expanding in the evening.

Heavenly Blue—(Rubro-Cerulea)—Immense flowers of bright sky-blue, very beautiful.

Moon Day Glory—(Sinuata)—A lovely climber, vines slender, leaves distinct from others, being deeply cut, flowers open bell-shaped, white with red throats. Flowers open in the morning and close at night. Sow seed early after soaking in warm water until they swell.

LEARN—(Blue Dawn Flower)—This is a grand companion to the White Moon Flower. It has a lovely satini blue flower with crimson bars. Planted with the White the effect is great. Of easy culture outside and a good green-house climber.

MOON FLOWER—White Seeded (Ipomoea Noctiflora, or Grandiflora Alba)—The variety most generally grown, being larger in flower, firmer in texture and sweeter odor than the common black seeded variety. It bears in greatest profusion its lovely immense white flowers, five to six inches in diameter, with a five-pointed star in the center; the flowers are deliciously fragrant. If planted in rich ground, in a sunny situation, the vines attain a height of 25 feet.

MOON FLOWER—A new Cross-Bred, or a Hybrid—Of great value for the North, as it is in bloom a month earlier than the preceding; flowers pure white, large and fragrant. It grows very rapidly to thirty to forty feet.

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. Plants form bushes; during the summer 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.

LARKSPUR.—(Delphinium.)

The Larkspur is one of the handsomest and most useful of all plants and will bloom in the driest season with surprising persistence. The brilliancy of some of the colors is unsurpassed.

HARDY ANNUAL SORTS.

New Chinese—Hardy plant of great beauty; produces great handsome flowers; plant increases in size each year. **Very fine mixed colors**..... 5
Double Dwarf Rocket—Grows 12 inches. **12 good kinds mixed**..... 5
Double Tall Rocket—Finest tall-growing kinds mixed..... 5
Fall Stock-Flowered—Spikes of double flowers 18 inches long; very beautiful; branching; 2 feet. Many brightest and best colors mixed..... 5
Emperor—Compact and profuse bloomer, having erect spikes of perfectly double flowers in the most delicate colors; beautiful in summer and fine for winter bouquets. **Mixed colors**..... 5

BEST HARDY PERENNIAL SORTS.

Formosum—Rich blue flowers; long spikes; fine for cutting; 3 feet..... 5
Choice, Mixed, comprising a wide range of shades and colors, white, pink, blue and purple..... 10
Exceedingly pretty, profuse-blooming plants of great

LOBELIA, value to the flower garden; their delicate drooping habit and profusion of charming little flowers render them ornamental. **Annual sorts**..... 10
Goldesel—Golden-yellow foliage and deep blue flowers; charming..... 10
Crystal Palace—Compact; dark blue; excellent for edging..... 5
Emperor William—A very intense blue flower; one of the best..... 5
White Gem—Dense balls of pure snow-white flowers; beautiful..... 5
Royal Purple—Dark stalks; deep blue flowers; distinct white eye..... 5
Gratia—Fine for hanging baskets, vases, etc.; light blue trailing..... 5
Finest mixed, Compact Varieties, in many colors..... 5

LYCHNIS. But few plants produce such bright bloom and so continuously; hardy perennials, but bloom the first season from seed..... 5
Haegeana Hybrida—Fine mixed varieties..... 5
Grandiflora Giant—Immense scarlet flowers. 3 feet..... 5

MARIGOLD.

Marigold, "Legion of Honor."

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 Browne" The 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..... 5
Tall African, mixed—Many double varieties. 1 foot..... 5
French Dwarf, double mixed—Compact bushes with masses of very double flowers. 1 foot..... 5

MIGNONETTE.

A well-known plant producing semiglobular heads of very fragrant flowers on spikes 8 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.

Mignonette.

Reseda Odorata (Sweet Mignonette) A well known fragrant hardy annual..... Oz., 15c.

Parson's White—Robust habit; pure white..... Oz., 30c.

Victoria Red—A perfect beauty; beautiful pyramidal spikes of pretty, brilliant red flowers, dark glossy green foliage..... Oz., 50c.

Miles' Spiral—Very pretty white flower spikes 8 to 12 inches long. A strong grower and most abundant bloomer..... Oz., 15c.

Grandiflora—True—Large flowering Sweet Mignonette..... Oz., 15c.

Golden Queen—Fine; flowers of golden hue..... Oz., 30c.

Bismarck—New last season; strong growing plants, about one foot high; flower spikes very broad, pyramidal in form, thickly covered with beautiful reddish blossoms. We pronounce it a coming standard..... 2 packets..... 15c.

Mack—Dwarf; good habit; produces large spikes of sweet-scented red flowers; one of the best for garden or pot culture..... Oz., 40c.

GOLDEN MACHET—Large spikes; golden-yellow flowers..... Oz., 40c.

Ruby-New. A greatly improved large flowering variety of the Machet type; very strong spikes of beautiful scarlet flowers..... 10

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..... Oz., 25c.

Many Kinds Mixed..... Oz., 25c.

MOON FLOWER.—SEE IPOMEAS.

New Japanese Morning Glories.

JAPANESE MORNING GLORIES. NEW GIANT FLOWERING.

Most beautiful and valuable annual flowers introduced in 25 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 from 15 to 30 feet, and soon cover arbors, piazzas, etc., with a mass of rich foliage and flowers. **Price of true Japanese stock**— $\frac{1}{4}$ oz., 10c.; oz., 15c.; 4 oz., 50c..... 5

NEW DOUBLE FLOWERING JAPAN—Rapid climbers; flowers mostly double, semi-double and a few may come single. **Beautiful colors mixed**..... 10

COMMON MORNING GLORIES. CONVULVUS MAJOR.

The best known and most popular annual climber we possess, growing 30 to 50 feet. **A Splendid Mixture of Choicest Kinds**—Many bright colors—**lb., 75c.; $\frac{1}{4}$ lb., 25c.; oz., 10c.**..... 5

White..... 5c. **Rose**..... 5c. **Blood Red**..... 5c.

For Dwarf or Bedding Morning Glories see CONVULVUS MINOR.

MATRICARIA. **Alba Plenisima**.—"Double white Feverfew".—A beautiful annual garden plant, bearing quantities of white double button-like flowers, useful for cutting; succeeds in any garden soil; fine for bedding or pot-culture. 10

MINA LOBATA. A rapid and luxuriant climber. Flowers tube-like, and 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. 10

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 climb 20 to 30 feet. 10

Lobata and Sanguinea, mixed..... 10

MAURANDIA. One of the most popular climbers. Beautiful, rapid growing, blooming profusely until late in autumn; also fine for the conservatory or greenhouse; if desired for the house take up before approach of frost. A half-hardy perennial, flowering the first season, if sown early. **Mixed, Choicest Kinds**..... 5

Maurandia.

MIMULUS. **Monkey Flower**. Showy, profuse flowering plants, comprising numerous varieties with white, sulphur and yellow grounds, spotted with crimson, scarlet and pink; fine for greenhouse or moist, shady situations; half-hardy perennials; seed sown early will bloom first season; cover seed slightly.

Five mixed spotted varieties..... 5

Moschatus—Musk Plant—Fine for hanging baskets, etc.; small; low flowers; the thin delicate leaves emit a pleasant musk odor..... 5

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 the 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**..... 25

NASTURTIUMS.

Nasturtiums

DWARF OR TOM THUMB VARIETIES.—(*Tropaeolum Minor.*)

The improved dwarf varieties are among the most popular as well as useful of all annuals for bedding, massing, etc., owing to their compact growth, richness of color and profusion of blooming. About one foot high.

PRICE of any of the Following Named Varieties—Packet, 5c.; Ounce, 20c.

Aurora—Deep chrome yellow veined with carmine
Beauty—Scarlet, splashed canary.

Empress of India—Brilliant dark scarlet,
Golden King—Brilliant yellow.

King Theodore—Flowers velvety crimson.

King of Tom Thumbs—Intense scarlet flowers

Ladybird—Rich golden yellow, crimson spots

Pearl—Creamy white.

PRINCE HENRY—New and novel. Flowers brilliant golden yellow, spotted scarlet, tipped with wine red.

Ruby King—Distinct, light ruby red.

Spotted King—Deep yellow, chocolate spots.

DWARF MIXED—Many fine kinds. Lb. \$1.

¾ lb., 30c.; ½ lb., 15c.; pkt., 5c.

NEW "LILLIPUT" NASTURTIUMS.

A Grand New Class. Plants are smaller in every respect than Tom Thumb. The many small flowers of varied charming colors are borne well above the foliage; leaves are small and round. For beds and borders, very effective indeed. Many Colors Mixed—Pkt. 10c.; oz. 25c.

LOBB'S CLIMBING NASTURTIUMS.

As easily grown as the common Tall Nasturtiums, but the brilliance and profusion of blooming of the Lobbianum varieties render them superior for greenhouse or conservatory decoration in winter; also for trellises, arbors, vases, etc., in summer. 10 to 15 feet. PRICE of any of the following named varieties, pkt., 5c.; oz., 20c.
Asa Gray—Very delicate light yellow.
Brilliant—Rich bright scarlet.
Lucifer—Bright glowing scarlet.
LOBB'S MIXED, of above and many others; fine varieties. Lb., \$1.00; ¼ lb., 30c.; oz., 15c.; pkt., 5c.

TALL, OR CLIMBING VARIETIES.

Beautiful and luxuriant annual climbers for verandas, etc., of the easiest culture. Profuse bloomers until killed by frost. Stands heat and drouth without the slightest effect. The seed pods may be gathered while green and tender for pickling. Six to ten feet.

Crimson—Rich and glossy.
Lemon Yellow—A fine variety.
King Theodore—Deep crimson, dark leaves, very striking.

Golden Cloth—(New)—Foliage bright yellow; flowers scarlet.

TALL KINDS—Extra Fine Mixture—Lb., \$1.00; ¼ lb., 30c.; oz., 10c.; pkt., 5c.

Nasturtium—New Dwarf Chameleon. (True French.)—This highly interesting new variety presents a most unusual feature, which is that the flowers are of different colors on the same plant, and that they are variously blotched, splashed, striped, and bordered with these several colors. On one and the same plant self-colored flowers are found, others curiously stained or flushed on clear ground, while others are broadly edged with light shades or have dark margins. The neat, compact bushes are covered with flowers and form fine edgings and are unrivaled for general garden decoration. Pkt., 5c.; oz., 20c.

Tall Chameleon. (French.)—A tall growing sort, whose flowers have the same habit of continuous change of color as those of the Dwarf Chameleon. Unsurpassed for covering trellises, fences, etc. Pkt., 5c.; oz., 15c.

NICOTIANA. A very pretty, large, flowering tobacco. An effective plant for groups. Half-hardy annual.

Affinis—Rosy blush; produces freely; sweet-scented, large star shaped, white flowers. Three feet. Pkt., 5c.

Colossae—New giant; immense foliage. Five or six feet. Pkt., 5c.

Oxalis. Pretty little half-tail-ling annual, for hanging baskets, vases, rockwork and edgings, flowering in profusion; six to nine inches. Mixed—Annual sorts, Pkt., 5c.

NIGELLA. (Love in a Mist, or Devil in the Bush.) A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture.

Hardy annual Damascena—Mixed, blue and white; 1 foot. Pkt., 5c.

ÆNOTHERA. (Evening Sun Drops.) Large, showy flowers of various colors; hardy annual.

Fine Mixed. Pkt., 5c.

Mexican Primrose—One foot high; large, bright yellow flowers. Pkt., 10c.

NEW DWARF CHAMELEON NASTURTIUM.

Livingston's Pansies

Our Pansy seed is the Best to be obtained. This favorite flower is one of our Specialties, and 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 recommend them with the greatest of confidence to florists having the most critical trade.

These charming favorites are very much improved in color, size and shape, and no flower is more popular with florists and amateurs, giving abundance of bloom until

after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright blossoms. It will 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 it in as early as possible, so as to have the plants in bloom during the early rains; they are easily transplanted. Seeds sown in a cool place in June or July, and watered until up, will produce fall flowering plants; if sown in October they will flower in early spring. To have good flowers the plants should be vigorous and make rapid growth. Young plants give the largest flowers.

At the Prices quoted WE GIVE LIBERAL SIZE PACKETS, according to the Quality of the Variety.

Giant Trimardeau. FLOWERS OF ENORMOUS SIZE. An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked with three large blotches or spots, and the plants are of compact growth and produce an endless variety of beautiful shades. **Mixed**..... 10

GIANT YELLOW—One of the finest and showiest. A beautiful clear yellow, heavily blotched on the three lower petals..... 10

- GIANT TRIMARDEAU WHITE**—Very beautiful, white, with violet eye. 10
GIANT STRIPED—Flowers of enormous size, beautifully striped..... 10
STRIPED AND MOTTLED—Large flowers; splendid..... 10
CASSIER'S GIANT ODIER—Five blotched; the largest flowered and heaviest blotched of this class. Various colored, large, handsome, perfectly formed flowers, dark spots on each petal. **RICH AND SHOWY. Mixed**..... 10
GIANT BLACK-BLUE—Large and very distinct; **RICH**..... 10
METEOR—Bright brown, beautiful, margin of yellow..... 10

Empress Pansies. We have secured, direct from the originator, a noted Pansy Specialist of England, some of this extraordinary fine "make-up," which has carried off more prizes than any other shown at the many critical exhibitions in that country..... 25

Bugnot's Giant Blotched. FLOWERS ARE OF ENORMOUS SIZE, nearly circular in form, and in a great variety of the handsomest and rarest colors, including some shades found in no other variety. Each petal has a distinct, deeply colored broad blotch..... 10

- VICTORIA RED**—Red, fine and very effective color; the large blooms are of good substance and form..... 10
PEACOCK—Bright colored, large and beautiful, the upper petals being of a beautiful ultramarine blue, resembling in shade the Peacock feather, while the lateral and lower petals are of a deep claret, with white margins..... 10
EMPEROR WILLIAM—Large, handsome flowers, brilliant ultramarine blue, with purple violet eye, borne in great profusion..... 5
BLACK BLUE—Very rich and constant..... 5
LORD BEACONFIELD—A highly attractive variety; deep violet, shading to heliotrope, and white on the upper petals..... 5
QUADRICOLOR, or PHEASANT'S EYE—One of the prettiest and most peculiar. Upper petals light blue edged with violet, lower petals marbled and spotted..... 5

Special Pansy Offers

We offer buyers Choice of one or more kinds of above Five 5c. Packets, 20c.; three 10c. packets, 25c.; seven 10c. packets, 50c.; three 25c. packets, 60c. 15 packets, brightest and best Pansies, our selection of varieties, mailed for only \$1.00.

NOTED MIXTURES OF PANSIES.

- GERMAN IMPERIAL, Mixed**..... 10
ENGLISH PANSY, Finest Mixed..... 10
FRENCH PANSY—Large flowering, in choice mixture..... 10
NON PLUS ULTRA—Very choice mixture of finest varieties. Finest mixture ever sent out by a noted German Pansy specialist..... 10
INTERNATIONAL MIXTURE, ("All Nations")—A favorite mixture..... 10
MAMMOTH BUTTERFLY MIXTURE—Fine..... 2 packets, 25c. 15
LARGE FLOWERING—Many separate colors and choice kinds. **VERY FINE MIXED.** ½ oz., 25c.; ¼ oz., 40c.; oz., \$1.25..... 10
GOOD QUALITY, Mixed—Oz., \$1.00; ¼ oz., 30c.; 4 packets, 15c..... 5

Pansies.

Livingston's

Fancy Mixture.

This Mixture has Become Famous
the Country over and we defy
the World on it....

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 seed over that of other mixtures is covered 100 fold in satisfactory results obtained by the grower. Packet, 25c.; 3 packets for 60c.

Livingston's Mixture of **Pansies** A get up of our own
SCARLET AND RED.... 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. Packet, 10c.; 3 packets, 25c.

GIANT FIRE KING PANSY. NEW. A very bright and showy
color; rich crimson and gold
flowers of good texture and fine form. ALL SHOULD TRY THIS
GRAND NEW PENSY. Packet, 10c.

PENTSTEMON..... A popular
and most
beautiful and attractive hardy plant.
Bears long, graceful spikes of rich-colored
flowers of white, pink, scarlet and
blue, beautifully spotted and marked.
2 to 3 feet.

Large Flowering Mixture..... 5

Fringed Primula.

PORTULACA.

"Rose Moss."—Should be 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 open ground as soon as it has become warm. Let the bed have full exposure to the sun and withhold water after the plants appear. They will stand any amount of dry weather. Blossoms of double varieties are about 1½ inches across, perfectly double, of many colors, and remain open all day. Tender annual, 9 inches high. **FINEST SINGLE, Mixed—Many beautiful sorts.. 5**
DOUBLE ROSE-FLOWERED—As double as the most perfect rose. **Many Colors Mixed..... 10**
Double White.....10c. Rich Scarlet..... 10c. Bright Orange..... 10

Primula.

FIMBRIATA LARGE FLOWERING FRINGED SORTS.

BEST WHITE—Finely fringed..... 25c. **FERN-LEAVED, Choicest Mixed..... 20**
LARGE FLOWERING FRINGED—A superb mixture that gives the greatest satisfaction..... 25
LARGE FLOWERING, Unfringed—Finest mixed; gives satisfaction for general purposes..... 15
DOUBLE FRINGED LARGE FLOWERING—Splendid mixture of finest sorts; cannot fail to please..... 35
OBSCONICA. A lovely and profuse blooming Primrose bearing on long stems heads of beautiful flowers; white, tinged lilac and rose shades; everblooming; true Primrose fragrance **10**
JAPONICA (Japanese Primrose)—Bright, showy flowers borne on stems 8 to 12 inches long.
Mixed Colors, crimson, maroon, lilac, pink, white, etc..... 10

PYRETHRUM.

(FEVERFEW)—Hardy Flowering Varieties—Valuable hardy border plants throwing up numerous stems about two feet high, each surmounted with flowers 2 to 4 inches across; colors rose, flesh, pink, crimson, etc. Remains in bloom a long time. (Also see *Matricaria*.)
Single Large Flowering Hybrids Mixed, 10c. Double Large Flowering Hybrids Mixed 10
Roseum—(Persian Insect Powder Plant.)—From the dried and powdered leaves is made the famous Insect Powder. Fine large flowers, white to pink and deep rose color, borne on long stiff stems; valuable as a cut flower. Entirely hardy. 2 feet..... **10**

PYRETHRUM—YELLOW FOLIAGE SORTS—"Golden Feather."

Dwarf-growing plants extensively used for ribbon and carpet hedging; grows about 6 to 12 inches high; bright yellow foliage. Usually grown as annuals, although perennials.
Aureum (Golden Feather)—Foliage finely cut and fringed..... **5**
Selaginoides—Fine cut fern-like golden yellow foliage; 6 inches..... **10**

Poppies.

Showy and ornamental plants with large flowers of brilliant colors. Very attractive in large beds, clumps and mixed borders. Of easy culture, succeeding in any garden soil; flowers in great profusion all summer if sown in early spring. Sow where they are to remain, as they do not bear transplanting; 2 feet high; hardy annual.

TULIP POPPIES—Large and splendid flowers of the most dazzling scarlet imaginable. The two outer petals resemble a saucer in which are set two erect petals of the same color. The color is of such richness as to fairly dazzle the eye..... **5**
FAIRY BLUSH—Immense globular flowers, perfectly double, 4 to 5 inches across; elegantly fringed, pure white with rose tipped petals..... **5**
SHIRLEY POPPIES—A new strain of marvellous beauty. Colors range through shades of delicate rose, pink, carmine and brilliant crimson. Many flowers are edged with white, and the petals have a glossy, silk-like texture..... **5**
SHIRLEY, DOUBLE—This is a rich mixture of double and semi-double flowers, and makes a very attractive and beautiful bed. **Finest Mixed..... 5**
SNOWDRIFT—Pure snow-white; extremely double flowers of perfect form; large size **5**
BRIGHT YELLOW—A rare new color..... **5**
ORIENTAL—Of the darkest red; beautiful; one of the showiest of hardy Perennial Poppies; specimen flowers have been grown to measure nine inches..... **5**
ORIENTAL HYBRIDS, Mixed—Flowers of immense size, six inches and over in diameter. Many novel colors, such as soft pink, cherry, dazzling scarlet, rich maroon, purple, etc.; culture simple; perfectly hardy perennials. **Finest mixed..... 10**
MIKADO, Striped Japan—Very distinct in color and character. Large, double pure white flowers, at the back elegant curled petals edged with scarlet..... **5**
WHITE SWAN—Immense double flowers of purest white, beautifully fringed..... **5**
THE BRIDE—Single fringed extra large spidery white flowers; makes a showy bed..... **5**
CARNATION-FLOWERED—Double. Flowers unequalled for dazzling richness and variety of color..... **Oz., 25c. 5**
PEONY-FLOWERED—Large, showy, double..... **Mixed, Oz., 20c. 5**
GOLDEN GATE—Fine mixture of singles, doubles are scarce..... **5**
with no end to the colors..... **5**

The Shirley Poppy.

ICELAND POPPIES—The fragrant elegant flowers are produced in succession from early in June to October. Flowers will last a week cut as soon as open. Rose, white, scarlet and gold in **Fine Mixture 5**
LIVINGSTON'S MIXTURE. Many excellent sorts and colors. Will surely please..... **Oz., 40c.; ½ oz., 25c. 5**

Any Seven 5-Cent Packets of Poppies for 25 Cents.

Livingston's... Sweet Peas.

A Superb Collection
including Best
Up-to-Date Kinds.

IN REARRANGING OUR SWEET PEA LIST this season, after making thorough tests on our extensive trial grounds, and consulting the opinions of well-known Sweet Pea Specialists, we have discarded some older varieties, inserting such of the new sorts and recent introductions as are worthy of our commendation, retaining only the best for general cultivation.

The following varieties, selected with a view to please the most critical, and grouped for the convenience of customers according to their various shades and colors, we think are **The Cream of the List.**

How to Grow.

Plant early in rows—North and South—April 1st is none too soon, if the ground will work. Make a trench 12 inches deep and 35 inches wide. Work into the soil in bottom of trench plenty of well rotted manure, fill 8 inches of trench with fine soil and sow the peas, covering one inch deep, (if about April

1st), in two rows 10 inches apart and seeds 2 inches apart in the 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 let run to seed. Use brush or trellis 5 or 6 feet high.

Price. (Postpaid), any variety on this page—Packet, 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c. Any 6 pkts., 20c. Any 13 pkts., 40c.

PURE WHITE.

Blanche Burpee—A grand pure white of superior substance, giant flowers of fine form, usually 3 on a stem, often four-flowered.

Emily Henderson—A deservedly popular EARLY White of excellent substance and purity; bears 2 or 3 (sometimes 4) medium to large flowers on long stiff stems.

Mrs. Sankey—A fine black-seeded White of superior form and remarkable substance.

DEEP MAROON.

Stanley—Darkest of all Sweet Peas; rich DARK maroon, immense size, flowers quite early.

Boreatton—One of the darkest and richest colored; satin-like maroon.

PRIMROSE YELLOW.

Mrs. Eckford—Medium early; flowers charming delicate primrose tint; very effective when bunched; of fine form and size.

Primrose—Pale primrose; profuse bloomer.

SHADES OF PINK.

Katherine Tracy—A perfect expanded large sized flower of good substance; a favorite shade of carmine pink.

Eliza Eckford—Distinct and beautiful: pink shaded and flaked; large and fine.

Blushing Beauty—Medium early; rich deep blush pink; large hooded form, very fine. (ROYAL ROSE.)

Mrs. Gladstone—Early to medium early; soft flesh pink, of good size. One of the best of its type.

Lovely—A most pleasing shade of pink: wings delicate rose, charming color; a large, grand flower. Greatly admired.

SHADES OF ROSE.

Lady Penzance—Beautiful tint of delicate rose; medium early; abundant bloomer; long stems.

Ovid—A deep, rich rose color.

Her Majesty—A grand, clear rose pink; large bold flowers.

Oddity—Large flower of peculiar curled habit; pale carmine with a bright rose edge; a great bloomer.

W. H. Barnard, Polk Co., Iowa. "Our Sweet Peas were the envy of the neighborhood; they lasted till frost took them."

THE
BON
TON
SIX

The Best and Biggest Flowered
SWEET PEAS—One Packet each of the
following colors—

RED, GRAY, PINK, WHITE,
LAVENDER, VARIEGATED.

THE
BON TON 6 Pkts. for 20c.
A MIXED PACKET of the 6 for
10 cents; oz., mixed, 25 cents.

Price. (Postpaid) any variety below, unless otherwise quoted—
Pkt., 5c.; oz., 10c.; ¼ lb., 25c.;
lb., 75c. Any 6 packets, 20c. Any
13 packets, 40c.

SHADES OF SCARLET.

Firefly—Intense crimson scarlet; large flowers; one of the best.
Brilliant—A new brilliant scarlet flower of excellent substance.

Mars—A most intense crimson red; flowers of large size and most perfect form; a strong grower, and medium early.

SHADES OF MAUVE OR LAVENDER.

Celestial—Finelavender; free flowering sort.
Emly Eckford—Quite early, of distinct purplish blue; good bloomer; extra long stems.
Golden Gate—Of very peculiar form; pink lavender mauve blended.

SHADE OF BLUE.

Captain of the Blues—(Grand Blue)—A true blue in general effect; 3 or 4 large flowers on good stems; a free and early bloomer.

SHADES OF CLARET.

Captivation—Large shell-shaped flowers; standard purplish claret; wings purplish lake.

Duke of Clarence—Deep rose claret; first-class in size and substance; an abundant bloomer.

Waverly—Rosy claret; blue wings.

Monarch—Large bronzy maroon and dark blue.

DISTINCT BLENDINGS.

Venus—A lovely salmon huff, shaded rosy pink.

Apple Blossom—Bright rose and pink; a fine, large, beautiful flower.

Lottie Eckford—White ground, lightly suffused with heliotrope, edges of standard and wings clear, deep blue; flowers large and fine.

BUTTERFLY—White, edged and shaded with blue; a very acceptable variety, and one of the best we have ever grown.

MANY NEW VARIETIES OF SWEET PEAS WILL
BE FOUND IN THE NOVELTY PAGE.

"Sweet Peas and How to Grow Them."

Written expressly for our customers by a successful grower. This booklet is **SENT FREE** on request to our Sweet Pea customers. To all others 10 cents.

THE BEST RED OR ROSE STANDARDS AND WHITE WINGS.

EYTRA EARLY BLANCHE FERRY—The earliest of all Sweet Peas. Same as Blanche Ferry, but flowers ten days earlier; the wings are white, standard deep rose pink.

Blanche Ferry—The popular pink and white; stems three-flowered, of good length; a vigorous and profuse bloomer; very early.

VARIETED SORTS.

Mrs. Jos. Chamberlain—A very large flower of extra fine form, bright rose, heavily striped on white ground.

Ramona—A fine grandiflora, creamy white, splashed and flaked with soft pink.

Senator—Fine, large, dark-striped flower, bright brown and chocolate-shaded, striped on white.

Gray Friar—Large blossoms of excellent form, beautiful watered-purple on white ground, giving a gray effect; makes attractive bouquets.

Daybreak—Watered, crimson scarlet on a white ground; a free bloomer; vigorous, upright grower; good stems.

Aurora—A giant flower of rich salmon pink on white ground; very effective.

Red Riding Hood—A remarkable departure in form. The standard is drawn down into a snug hood; a bright rose color; fragrant; free bloomer. Pkt. 5c.; oz. 10c.; ¼ lb. 25c.

NEW DOUBLE SWEET PEAS

Not thoroughly established, as only about 30 per cent. of the flowers came double. Worthy of a trial, but we make this explanation that patrons may not be misled. Mixed—Pkt., 5c.; oz. 10c.; ¼ lb. 25c.; lb., 85c.

SWEET PEA MIXTURES.

LIVINGSTON'S SPECIAL MIXTURE—Made up from finest, new, large-flowering sorts and new novelties. No mixture surpasses it. Large packet, 10c.; oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

ECKFORD'S "GILT EDGE" MIXTURE—Of undoubted superiority. Pkt., 5c.; oz., 10c.; ¼ lb. 25c.; lb., 75c.

FINE MIXED—All sorts and colors. A fine mixture for the low price. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.

"CHEAP JOHN" MIXTURE—This mixture is made up to meet the "cut prices" of certain houses; it contains many old varieties and will please those not familiar with the new beauties, but we do not recommend it to our best friends. Lots of Peas for the money. Oz., 5c.; 3 ozs., 10c.; lb. 30c.

"OLD GLORY" MIXTURE.

The three best up-to-date varieties of Red, White & Blue Sweet Peas Mixed in equal proportion. Pkt., 5c.; oz., 10c.; ¼ lb. 30c.; lb., \$1.00.

HARDY SWEET PEAS. Perennial or (Lathyrus Latifolius) Everlasting.

Suitable for trellises, arbors, etc. They die down every year and start again in the spring; hardy perennial; 5 to 6 feet.

WHITE—Packet, 5c. **MIXED**—Packet, 5c. **SPLENDENS**—Pride of California—Brilliant rosy red. Pkt., 10c.

Phlox Drummondii.

The Phlox Drummondii, for splendid mass of colors and a constant display, is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from the purest white to the deepest blood purple or crimson. Seed may be sown in the open ground in May or in hot bed or cold frame earlier, and in either case, from June, during the summer and autumn, they make a most brilliant bed of showy, yet delicate flowers, blooming continually until frost. A good ribbon bed of the Phlox is a most dazzling sight, and there is nothing so cheap. In a good rich soil it will grow 18 inches high. Set plants one foot apart. Easily transplanted.

PHLOX DRUMMONDII, Many Choice Varieties Mixed. Oz. 50c.; ¼ oz. 30c. 5

LARGE FLOWERING PHLOX (Grandiflora.)

A decided improvement on the Drummondii. The flowers are perfectly round and almost double the size, and the colors are most brilliant.

Intense Scarlet..... 5c. **Scarlet Striped**—A BEAUTY..... 5
Blood Red—Darkest of all..... 5c. **Carmine**—White eye..... 5
Crimson—Very bright and effective..... 5c. **Rosea**—Pink, with white eye..... 5
Pink and White—Beautiful; fine for cutting..... 5c. **Extra Large**..... 5c. **50c.**
SPLENDENS—Vivid crimson, with a pure white star-center..... 5

LARGE FLOWERING (Grandiflora.)

OUR SPECIAL MIXTURE—In richest varieties of colors. Oz. 75c.; ¼ oz. 40c.; ½ oz., 25c. 5

STAR-SHAPED PHLOX. STAR OF QUEDLINBERG—(Fringed

Phlox.)—The flowers have a regular star-like form; the plant is of dwarf compact habit and bears large umbels of flowers. As easily grown as the common Phlox, and flower just as profusely during the entire summer. Extra Fine Mixed Seed, comprising many varieties of this odd and beautiful strain. 5

NEW DWARF PHLOX.

This new strain is of dwarf, compact habit and well adapted for pot culture; also for ribbon lines and massing; 6 to 8 inches high. A desirable market plant. Finest Mixed Colors..... 10
Snowball—Excellent..... 10

DOUBLE PHLOX.

Of late years several semi-double flowering Phloxes have been introduced, the value of which as cut flowers will have been recognized by those who have tried them. **Note**—In order to produce the best double flowers they should be grown in a light, sandy soil.

Double White—Charming white flowers, 60 to 70 per cent. double..... 10
Double, Mixed Colors..... 10

FOR 25 CENTS ANY THREE 10-CENT PACKETS OF PHLOX.
ANY SEVEN 5-CENT PACKETS OF PHLOX.

*** HARDY PHLOX. ***

They are perfectly hardy and need no protection in winter; will flourish in any soil, succeeding better, however, in deep, rich, moist ground. Bushes grow 2 to 3 feet high, and have immense heads of waxy flowers; large and beautiful.

Many Lovely Shades Mixed..... 10

PHLOX, LARGE FLOWERING GRANDIFLORA.

A California Giant.

NEW STEEL BLUE—Beautiful variety; lovely steel blue flowers shaped like *Clematis Jackmanii*; perfectly distinct ....

Livingston's Superb Petunias.

No flower surpasses, if indeed 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 sown in open border in spring, or earlier in a cold frame or hot-bed, and transplanted 15 inches apart. By the latter process they will come into bloom much earlier, though they will do perfectly well sown in the open ground. Be careful not to cover the small seeds too deeply. It is well known that seed of double varieties do not produce double flowers. Be careful to save the weaker seedlings as they usually give the finest double flowers.

- Alba**—Pure white flowers; no annual more suitable or satisfactory for cemetery bedding. 5
Dwarf Inimitable—Forms a compact little plant 5 to 8 inches high, covered with beautiful cherry-red flowers white center, suitable for edging or massing. 10
Snowball—Forms compact bushes about 8 inches high; produces pure satiny-white flowers in profusion all summer; splendid for pots or bedding. 10
Blotched and Striped—Flowers with star-shaped blotches; fine form; effective; fine for bedding and window boxes. 5
Extra Fine Hybrid—Superb strain; very rich mixture. 10
Fine Mixture, in many colors 5

LARGE FLOWERING—FANCY HYBRIDS.

- Single Large Flowering**—In choice mixture 10
Double Large Flowering, all sorts—A superb mixture. 25
Single Fringed Large Flowering—Extra fine mixed. 20
Double Fringed Large Flowering—Very choice fringed. 25

GIANTS OF CALIFORNIA PETUNIAS.

The flowers are exquisitely ruffled and fringed and of enormous size, often measuring 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, Choicest Varieties** 15
RUFFLED GIANTS—Flowers of extra size and substance, with very deep throat, deeply fringed and fluted; the wide range of colors unsurpassed by any other. **A Superb Mixture**. 25

ROSES.

FROM SEED FIRST YEAR.

Dwarf Polyantha, or "Fairy"—These beautiful little roses are very double (seldom single) borne in many-flower clusters and contain all the tints of cultivated roses. They grow only about one foot high and commence blooming in a few weeks after the seed is sown, and continue to bloom the entire season. They are perfectly hardy and bloom year after year in profusion from May until frost. These little beauties are sometimes called *Midget* or *Baby Roses*. 10

Ricinus. (Caster Oil Plant.) Stately strong growing plants with very ornamental foliage, particularly adapted as center plants of groups of *Cannas*, *Caladiums*, *Dabias*, etc.; also fine for lawns, massing, etc. Annuals of very quick growth. 10

Zanzibarensis—A new and distinct class which surpasses in size and beauty all the varieties hitherto known. The plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. We have grown them with leaves 3 to 4 feet across. Our mixture of four sorts have light and dark green leaves and some of coppery-bronze changing to dark green, with reddish ribs. 5
Cambogensis—New. Large palm-like leaves of a bronzy-red maroon; stalks and stems nearly black. The foliage shows different shades as they grow, and a striking effect is obtained. 5
Borbonensis—Shrubby beautiful green foliage; 15 feet. 5
Gibsoni—Dwarf branching, rich red foliage; 5 feet. 5
PHILLIPSII—A grand new variety from Uncle Sam's new Islands; foliage large and beautiful; 10 feet. 5
Mixed, many of the very best varieties ..... Oz., 20c.

RODANTHE. One of the best everlasting flowers and a charming annual; especially desirable as an ornamental bedding plant in summer and for pot culture in winter. They remain in bloom a long time. For winter bouquets the flowers should be cut before fully expanded, and, if dried in the shade, will retain their brilliancy for years. Seeds should be started and the plants transplanted to a warm situation one foot apart. 1 foot high. **Many Choice Colors Mixed**. 5

STEVIA. *Serrata*. Very pretty white, fragrant flowers; furnish excellent material for bouquets; suitable for winter or summer blooming. A tender perennial, but if sown early will bloom outside first season. 5

SALPIGLOSSIS. (Velvet

or Pointed Tube Tongue)—Showy bedding or border plants, with richly colored, erect, funnel-shaped flowers. Colors beautifully variegated and penciled purple, scarlet, crimson, yellow, blue and black. Plant in warm, rich soil; very fine annual. **Grandiflora**—New. Large-flowering; extra fine. Mixed colors 5

SCHIZANTHUS. (Butterfly

Flower.) Showy plants for outdoor decoration. Easily cultivated; pretty bright colored flowers, useful for bouquets. Half hardy annual; 2 to 3 feet; bears hundreds of flowers. **Best Varieties mixed** 5

Salpiglossis.

SMILAX. Charming tender perennial climber for house culture. It forms "strings" six feet long, which are extensively used for decorating, and is grown in immense quantities by American florists. Foliage and stems a pleasing light green; very graceful; delicate; remains fresh several days after being cut. 5

Stocks. German Ten Weeks.

(Gillyflower.) Stocks have for many years been a general favorite, but of late years the Germans have grown them in such perfection that they are considered almost indispensable in brilliancy of color and general effect they are unsurpassed. Equally fine for bedding, borders, massing or for pot culture. For early flowering sow in the house in February or March; plant in open ground in May. **Large-Flowering Dwarf Ten Weeks** 10

Double Large-Flowering Dwarf—Magnificent spikes of very large double flowers; all colors. **Mixed**. 5
Dwarf German Ten Weeks—Large-flowering. **Fine Mixed**. 5

SNOWFLAKE—Dwarf Ten Weeks—A beautiful variety, and one of the earliest of all Ten-Weeks Stocks, and admirably adapted for forcing; the snow-white flowers are uncommonly large and very double. 10
Blood Red—Very fine new double sort; flowers all summer. 10

GIANT PERFECTION STOCKS—Produce plants 2½ feet high with long flower spikes of beautiful double flowers. **Choicest Mixed**. 10
Emperor, or **Broton**—These very bushy and branching plants, with an abundance of large flowers. Sow in July or August. Last several years when projected; 2 feet. **Mixed Colors**. 10

SWEET WILLIAM.

(Dianthus Barbat.)

A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of color; deliciously sweet scented. They have been greatly improved of late years and nothing surpasses this old rugged favorite for clumps or borders. Hardy perennials, about one foot.

Double White..... 5

Double Crimson..... 5

Fine Mixed Single—All colors..... 5

Oz 40c..... 5

Double Flowering—Mixed; splendid collection..... 5

Giant Double—

An improvement over the old favorites in size and colors of flowers and trusses, many of the individual flowers are over an inch in diameter. Extra Choice mixture.....10

Sweet Williams.

SCABOSIA.

(Morning Bride.) A useful and ornamental plant with rich and beautifully colored flowers; effective for beds or borders; excellent for cutting. This old and well-known annual is not as generally cultivated as it deserves.

Fiery Red—New, deep, fiery scarlet; a very striking, beautiful color..... 5

Black Prince—New, very large double, almost black..... 5

Snowball—Elegant double white flowers; charming for bouquets..... 5

Double Yellow—A very fine golden yellow color..... 5

Large Flowered Double—New semi-dwarf, compact and upright, long, stiff stems and large, round, perfect double flowers of remarkable colors. Splendid Mixture..... 5

CAUCASICA.

One of the handsomest of hardy perennials, especially valuable for cutting, the blooms lasting a long time in water, and are a charming shade of soft lilac blue. Does well in ordinary garden soil and should be grown by everybody..... 10

New Double White Caucasica, Extra Fine..... 10

SALVIA.

Very ornamental plants, flowering in spikes, and continues to bloom in open ground until frost, when the plants can be removed to the greenhouse and will continue to bloom a long time. Plants may be started in a hotbed and transplanted to light, rich soil, about one foot apart. Tender perennial.

Coccinea Lactea—Pure white; fine, two feet..... 10

Patens—Brightest and bluest of all flowers; beautiful..... 15

Splendens—Scarlet Sage—Gorgeous plants, with spikes of intensely vivid scarlet flowers; the spikes are numerous and 10 to 12 inches in length. Continue to flower profusely all summer and until killed by late frosts. Of the easiest growth and should be in every garden..... 10

Bonfire—Clerk Beider—One of the finest Salvia ever introduced for bedding. The plants form handsome globular bushes about 2 feet high by 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of a most brilliant, dazzling scarlet..... 10

SENSITIVE PLANT.

A curious and pretty annual plant; the leaves and foot stalks close and droop at the slightest touch, or in cloudy, damp weather, and during night; easily grown; seed may be started under glass and transplanted to the open ground when the weather is warm. A plant or two reserved for the house will afford much amusement during winter..... 5

SWEET SULTAN.

(Centauria Moschata.)

A sweet scented, profuse flowering, showy plant of easy culture, and very effective in shrubbery. Hardy annual.

Mixed Colors..... 5

TORENIA.

Beautiful plants for vases, for 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 darker blue and a bright yellow throat..... 10

White Wings—Pure white with rose throat..... 10

Bailoni—Deep yellow..... 10

The Bride—New; grand. Giant flowers, white with pink; beautiful; 20

THUNBERGIA.

Rapid growing annual climber with pretty buff, white and orange flowers of various shades, with a dark center, or eye. Finely adapted for vases, hanging baskets, and for trailing over fences, trellises, etc.; does well indoors or out; profuse bloomer with handsome foliage.

Fine mixed..... 1/2 oz., 25c; oz., 40c. 5

VERBENA.

No plant is more generally cultivated than the verberna, and no plant excels it for masses in beds on the lawn. Flowers perfectly well from seed sown in the 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. Transplant as soon as plants are two inches high, two feet apart each way. Seedlings are stronger and more vigorous than plant from cuttings, and are usually fragrant, especially light colors.

Defiance—True—

Brightest and d

richest of all

scarlet verbenas..... 10

Blue Varieties—

Showy and distinct..... 10

Striped Varieties

—Beautiful..... 10

Pure White—Large trusses of pure white flowers..... 10

Niveni—White; sweet scented..... 5

Cloth of Gold—A very effective, clear golden yellow foliage bedder; its deep crimson flowers form a striking contrast..... 10

Lemon Verbena—(Citrodora)—Sweet, lemon-scented foliage..... 10

New Mammoth—Large Flowered—A superb and distinct class with flowers of immense size. Seed saved from very best flowers..... 10

Hybrida—Choicest mixed—Saved from the most beautiful named flowers; gives highest satisfaction..... 10

Fine mixed..... 5

NEW DWARF VERBENAS.

Of erect, dwarf and compact habit, forming a neat bush about five inches high and 18 inches across. Colors are white, scarlet and violet..... 10

Extra mixed..... 10

VIOLET. (Viola Odorata)—The

Violet should not be wanting 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. Extensively used by florists for cut flowers. Hardy perennial. Six inches.

Double Violets Do not need.

Plants offered in the Plant Dept.

Blue Sweet Violet—The old sort..... 10

The Czar—The largest flowering richest colored deep blue sweet violet in cultivation..... 10

Single Mixed—Blue and white..... 10

VINCA. (Periwinkle.) Free-flow-

ering bushy plants, with

glossy green foliage and beautiful

circular flowers; in a warm, sunny

situation they bloom all summer; they make beautiful winter-

blooming pot plants if potted before frost; tender perennial, but

flowers the first season; two feet.

Alba—Pure white..... 5

Rosa—Bright rose; very fine..... 5

Rosa Alba—White with rose eye..... 5

Mixed Varieties—All colors..... 5

VALERIANA. (Hardy Garden Heliotrope.) Showy border

plants, or for mixing with shrubbery; grows

in any garden soil; does well in the shade; produces large crops of

flowers; hardy perennial that blooms first season from seed. Fine

for bouquets. Mixed—Bright rose, red and white flowers..... 5

VISCARIA. Handsome, showy annuals when massed. Its large,

round flowers are white, red, blue, pink, margined

with various colors; about one foot high. All Colors Mixed..... 5

Yucca.

Whitlavia.

Double Wallflower.

Large Double Zinnias.

Double Lilliput Zinnias.

Xeranthemum.

WHITLAVIA. The Whitlavia is a good plant for baskets, vases or pots. A pretty plant with delicate, handsome foliage, producing a constant succession of 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 5

WALLFLOWER.

Well known, deliciously fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter and planted out in May; season from seed.

Single Early Large Flowering 5
Finest Double Large Flowering—Mixed—All colors 10

XERANTHEMUM. (Everlasting Flowers.) Very desirable, fine flowering and of the easiest cultivation. The leaves are covered with silvery down, and the flowers are pure white, deep purple and yellow; an easy grown hardy annual. Two feet.

Double Mixed—All Colors 5

YUCCA. ("Adam's Needle.") ERECT and noble plants, bearing long, narrow, sharp-pointed leaves, with a peculiar tropical aspect. Is a hardy perennial and grows in any soil, and will endure the winter in most parts of the country. Bears a large spike of white, very large, tulip-shaped flowers. 5 to 4 feet.

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; present a curious and beautiful appearance. 5

Curled and Crested—A new strain, with large double flowers of perfect form; the petals are twisted, curled and crested into the most fantastic and graceful forms. A magnificent variety of colors and lovely shades 10

Double Snowball—Double, pure white, dwarf and compact. 5

Dwarf Fireball—Double fiery scarlet. 5

Golden Yellow—Flowers large, perfect in shape, clear golden-yellow. 5

Giant Flowering—Grows a handsome bush 3 feet in height, and the mammoth, perfectly formed double flowers measure 5 to 6 inches across and are of intense and brilliant colors; mixed 5

Queen Victoria—A new giant white variety, of vigorous growth, with very double pure white flowers, 4 inches in diameter. 10

Double Haze—Of decided merit; close and vigorous in habit, nearly covered with pretty golden-yellow double flowers; fine, indeed, for cutting. 5

Double Lilliput—Bush covered with flowers of fine form, borne on long, stiff stems; valuable for bouquets. 5

Double Dwarf—Compact bushes, not over 12 inches high. 5

Double Pompano—Charming, long and very double flowers; mixed. 5

Double Large Flowering—Mixture of many colors; fine strain; cone-shaped. 5

Mexican Hybrid Zinnias—New, very pretty; bound to please. 10

Special Mixtures of Flower Seeds.

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds and cannot 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.

Mixture of Climbers. A packet of seeds containing over twenty beautiful annual climbers, for covering outhouses, trellises, etc. Packet, 10c.

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 throughout the entire season. Packet, 10c.

Mixed Everlastings. A great variety of attractive Everlastings. Packet, 10c.

ANY THREE MIXTURE PACKETS FOR 25 CENTS.

Ornamental Grasses.

Very beautiful and attractive for mixed flower beds and borders during summer, and extensively used in the arrangement of winter bouquets and in other house decorations. Should be cut while fresh and green and hung in a dry and airy place in the shade. *Flowers grown in any soil.*

FENNETUM (Ruellia)—Has very beautiful and graceful spikes of purple; a very fine decorative plant. Packet, 5c.

ZEAL (Japan Mice)—Quadrangular—Leaves beautifully striped, silvery white, rose and green; very fine. Packet, 5c; 3 packets for 10c.

Best Mixture, many Dwarf and Half Dwarf Annual Sorts—Large packet, 10c; half packet, 5c.

Best Mixture, many Tall Annual Sorts—Large packet, 10c; half packet, 5c.

Basket of Ornamental Grasses

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 to be 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 those in beds or borders; also especially adapted for producing a display on large borders, or sowing along woodland walks, for hiding an unsightly fence, stump, etc., and will convert any dreary spot into a wilderness of bloom and fragrance.

Bouquet from the "Wild Garden."

Apronful from the "Children's Garden."

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. KEEP OUT THE WEEDS 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 wherever known.

Large packet, 10c.; ounce, 25c.; $\frac{1}{4}$ pound, 75c.

50 cts. Bargain Collection of Flower Seeds. 50 cts.

Consists of one full-sized packet each of the following of 50 Cents. At regular prices would cost \$1.25. colors and many new and rare kinds; a continuous

A GREAT OFFER.

ASTERS—Double Perfection, Mixed. Perfect type, flowers very large, rich, brilliant.
BACHELOR'S BUTTONS—A Choice Mixture of best colors and kinds.

BALSAMS—Double Camella Flowered, mixed.
CANNAS, Mixed. New French Hybrids. Remarkable for beauty of flowers and foliage.
DIANTHUS—Mixed Colors. Beautiful double flowers; many shades.
GAILLARDIAS—One of the best annuals for cut flowers. Mixed.

LARKSPUR—Tall Flowered Branching; long spikes; double brightest, best colored flowers

MORNING GLORIES. A Splendid Mixture of these lovely climbers.

MIGNONETTE—Golden Machette. Golden yellow flowers, deliciously fragrant. Large spikes.
NASTURTIUM—Lobbs Climbing. Beautiful and luxuriant climber and of easy culture. 8 to 10 feet.

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.

most effective annuals, sent free by mail on receipt of varieties and mixtures are choice, including best succession of flowers from early summer until frost.

PANSY—Large Flowering. A very fine mixture of many choice kinds and colors.

POPPIES—Livingston's Mixture of many excellent kinds and colors. Sure to please.

SWEET PEAS—Eckford's Gilt-Edged Mixture. A very superior and deservedly popular mixture.

VERBENA—Hybrida Choicest Mixed. Showy distinct and beautiful. Many colors.

ZINNIA—Double Large Flowering. A mixture of many colored and fine cone-shaped flowers.

LIVINGSTON'S

25 Cent Bargains in Flower Seeds 25 Cents

For Only 25 Cents We send, postpaid, any one of the following Collections.

For 50 cts. you can select two Collections, and, in addition, one packet of either the great new Sweet Pea, Navy Blue, or a packet of Daybreak Aster.

For 75 cts. we will send the THREE COLLECTIONS and a packet each of the new Sweet Pea, Navy Blue, and the Daybreak Aster.

Our 25-Cent Bargain Collection of SELECT FLOWER SEEDS.

ASTER—New Large German Globe—White, with blood red center, a splendid large, globe-shaped flower; a beauty.

CENTAURIA—Improved—"Bachelor's Button," with large, sweet-scented flowers; excellent for cut flowers, lasting several days.

GAILLARDIA—Grandiflora—Splendid mixed; remarkable for size and brilliancy of flowers.

MIGNONETTE—Bismarck—Its sweet-scented flowers are very large, reddish colored, with beautiful dark green crumpled foliage.

MORNING GLORIES—New Japanese—No end to the variety of colors, from snow white to all possible shades of blue, red, palest pink, darkest reds and purples; striped, mottled, and beautifully bordered.

NASTURTIUM—Lilliput—Mixed; a grand new class of dwarf nasturtiums; many varieties of charming colors.

PANSIES—Sweet-Scented—Has the delightful perfume of sweet violet; flowers of round size and substance, of many colors.

SWEET PEAS—Dwarf Cupids—Mixed Varieties, white, pink, etc. A charming variety. Only grows 6 to 10 inches; makes a dwarf, compact plant, 10 to 15 inches wide.

SUNFLOWER—Mixed. These new types are remarkable for beauty, and must not be confounded with the ordinary Sunflower.

Our 25-Cent Collection of

..NASTURTIUMS..

VESUVIUS—Tall, brilliant, fiery red.

MADAM GUNTHER'S HYBRIDS—Unequaled for richness and variety of colors; good climbers, free and constant bloomers.

LOBE'S CLIMBER—Mixed. Superior for brilliancy and profusion of bloom; unexcelled as a summer climber; also good for indoor decoration in winter.

NEW DWARF CHAMELION—Produces many different colored flowers on the same plant. The neat, compact bushes are covered with beautiful flowers; fine for edging and general garden decoration.

CLOTH OF GOLD—Dwarf; beautiful golden foliage and deep scarlet flowers.

KING THEODORE—Tall, deep crimson flowers; dark foliage; very striking.

Fred. O. Wise, Belmont Co., Ohio, writes:

"I wish you could see my flower garden. It is the admiration of the neighborhood. Please accept thanks for extras sent."

Livingston's 25-Cent Collection of

SWEET PEAS.

Sweetest of all Sweet Flowers.

NEW DWARF TOM THUMB—Mixed; many rich and beautiful colors; no annual more popular for bedding or massing.

AURORA—A grand flower with expanded standards; beautiful flaked orange salmon.

GRAY FRIAR—Beautiful watered purple on white ground; good grower, with long, strong flower stems.

MAID OF HONOR—White, beautifully edged with lavender.

PRIMA DONNA—A most lovely shade of soft pink.

CAPTAIN OF THE BLUES—An extra fine blue.

BRILLIANT—The new attractive, bright scarlet.

ROYAL ROSE—Has extra large flowers, of deep rosy-pink.

John Crego, Livingston Co., N. Y., writes: "I do not find any better seed than yours. They are rightly named—True Blue."

Thirty Select Ever-Blooming Bedding Roses

TEAS AND HYBRID TEAS.

The selection includes many of the best newer kinds, as well as standard sorts, and all are sold at **ONLY TEN CENTS EACH**. Though hardy in the South, Tea Roses, as a rule, require protection during winter in our Middle and Northern States. Those marked with * are hardy or nearly so.

Price of any of the Roses in this Collection, 10 cts. each, \$1.00 per dozen, postpaid.

***Agrippina**—Rich dark velvety crimson; one of the most popular grown.

***Bon Silene**—Deep rose, sometimes bright rosy crimson, occasionally pale light rose.

Bridesmaid—A sport from Catherine Mermet, but produces buds and flowers of a much deeper shade of pink than its parent.

Bride—Still the best of the large white roses for cut flowers and general culture. Perfect, globular, pointed buds of white.

***Champion of the World**—Well known as a "Champion for vigor, hardiness, free bloom, fragrance, form and color." Bright coral pink; large and double.

***Cornelia Cook**—Beautiful creamy white; buds of immense size and very double.

Catherine Mermet—Clear rosy-pink; flowers large; one of the finest.

***Etoile de Lyon**—Light golden-yellow, very sweet; large; fine form; best yellow for open air culture.

Gen. Robert E. Lee—Orange-yellow, at some times of the season light yellow; quite a unique color; produces its handsome buds freely. A decided favorite.

***Hermosa**—Too well known and too great a favorite to need a lengthy description. Always in bloom, and always beautiful. A most pleasing shade of pink; very fragrant. Grand for bedding or pot culture.

Joseph Metral (Bouquet)—Strong, healthy grower; flowers very large; good form; a grand red rose.

***Kaiserin Augusta Victoria**—A beautiful rose with elegant, large pointed buds and very large, full, double flowers; color delicate creamy white; deliciously fragrant.

***Mad. Roste**—An excellent rose highly prized for cut flowers; superb buds; long stems; valuable for garden planting; constant bloomer; soft canary-yellow, beautifully flushed with pale amber.

***Marie Guillot**—The best white Tea Rose for summer bloom. White, tinted with pale yellow.

***Mrs. Dege**—Entirely hardy and unequalled for garden culture; fragrant; rich glossy pink.

Marion Dingee—A splendid rose, with large cup-shaped flowers, of a deep crimson, changing to carmine. None superior for outdoor use.

Madame de Watteville (The Tulip Rose)—Grand flowers of fine substance and fruity fragrance; salmon-white, bordered bright rose.

***Mad. Caroline Testout**—A superb bedding variety; of vigorous growth and very free flowering. Color clear satin rose; vivid and brilliant; very fragrant.

***Maman Cochet**—A grand new Tea Rose of easiest culture. Beautiful double pink buds. Resembles La France.

***Marie Van Houste**—Pale yellow, edges of the petals often lined with rose; well formed; fragrant; good habit; very free blooming; a most charming rose.

***Malmaison**—One of the choicest and best roses in cultivation for the garden: flowers very large, of full, broad, regal form and exquisite fragrance; color rich creamy-rose, shaded fawn and rose.

***Meteor**—A most beautiful rose; unsurpassed among Hybrid Teas for hardiness and freedom of bloom; long-stemmed flowers of medium size; double; color intense glowing velvety-crimson.

Niphetos—Still a great favorite and one of the best; buds long and pointed, opening out into a fine, large pure white flower; delightfully fragrant.

Papa Gontier—Immense pointed fragrant buds of rich cherry-red; always in bloom.

***Princess Bonnie**—The color of the outside petals brilliant as a "Jack," inner side of center ones streaked pure white; excellent planter; in open ground; has a delicate refined scent.

Perle Des Jardins—Has no rival except Marechal Niel, and no weak point in habit, growth or flower; rich canary-yellow.

***Queen**—Noted for its continual profusion of large, perfect, pure white flowers.

***Queen's Scarlet**—Best of all red roses for bedding; can be planted anywhere; entirely hardy. Flowers of large size; a fiery scarlet color.

Souv. de Pres. Carnot—An excellent new rose that has already become a great favorite; of large size, exquisite shape, with heavy, thick, shell-like petals; buds long and pointed, similar to Niphetos, but much larger; stiff, erect stems; color delicate, rosy-flesh, shaded a trifle deeper at the center. An extra good garden rose.

Snowflake (White Hermosa)—Dwarf in habit and really wonderful in constant profusion of bloom. Exquisite pure white flowers of medium size.

Tea Rose, Snowflake.

Tea Rose, Meteor

Hardy Bedding Roses.

HYBRID PERPETUAL.

Of easy culture, not requiring protection, but are benefited by mulching their roots with leaves, long manure or other coarse litter during the winter. They are not suitable for house culture, but when you want strong bushes in the yard to stand out all winter, or to form a rose hedge, these are the kind to use.

PRICE, mailing size, 10 cts. each, unless otherwise quoted: 6 for 50 cts. Larger Plants, by express, 20 cts. to 40 cts. each; \$2.00 to \$4.00 per dozen, according to size.

AMERICAN BEAUTY—Buds large, full, double and exceedingly sweet; color rich, rosy-crimson, exquisitely shaded. The flowers are very lasting after cutting, and command the highest price of any rose on the market. Postpaid, 15c. each; large plants, 40c.

ANNA DE DIEBACH—Brilliant rose color, with long, pointed buds and large perfectly formed blossoms; delightfully fragrant. Vigorous grower and persistent bloomer. One of the best in this class. 15c.

BARONESS ROTHSCHILD—A magnificent rose. Flowers extra large, full and globular; color rich silvery-white delicately tinged with pale blush. Rare and exquisitely beautiful. 20c.

CLIO—Flowers are simply perfection in form, with fine, broad petals; beautiful at all stages of development; color delicate satin blush, with a light shading of rosy pink at the center; free blooming and strong, healthy grower. 15c.; 2 for 25c.

COQUETTE DES BLANCHES—Best pure white hardy rose; fragrant.

FISHER HOLMES—Dark, rich scarlet, shaded with deep, velvety crimson; beautiful, extra large, full flowers.

GENERAL JACQUEMINOT—Bright crimson-scarlet, exceedingly rich and velvety; the buds and partially opened flowers are beautiful. Strong, healthy grower and free bloomer.

MAGNA CHARTA—Bright clear pink, flushed crimson; extra large. **MRS. JOHN LAING**—Excellent for early blooming; exquisite satiny-pink color, deliciously fragrant; vigorous, strong grower, every shoot producing magnificent flowers. 15c.; larger plants, 25c.

PRINCE CAMILLE DE ROHAN—Very deep, velvety-crimson, large and fine. The nearest approach to a black rose.

PAUL NEYRON—Deep, shining pink; extra large, of fine form.

ULTRICH BRUNER—Flowers large and full, with exceedingly large well shaped petals; color cherry-red; a splendid variety.

THE SET OF 12 HARDY ROSES FOR ONLY \$1.25

Red, White, Pink and Striped **The La France Set.**

A choice group of Hybrid Teas, widely known and celebrated everywhere for hardiness, constant bloom and beautiful color of their fragrant flowers.

Each, 15 cts., or 50 cts. for the 4 La France, postpaid.

LA FRANCE—This famous silvery-pink rose is universally 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 odd clear stripes of both lovely pink and white tints.

FOUR RAMBLER ROSES.

CRIMSON, YELLOW, PINK and WHITE. PRICE: Postpaid; good plants, from 2½-inch pots, 15c. each; 4 for 50c. *Stronger Plants*, 1 year old, each, 30c., 4 for \$1.00.

CRIMSON RAMBLER—The plant is of very vigorous growth, making shoots 8 to 10 feet during the season; a charming pillar rose, magnificent in bush form, and for covering buildings, trellises, etc., it cannot be excelled. Its remarkable color is of the brightest crimson. Flowers produced in great pyramidal panicles or trusses, each carrying 30 to 40 blooms. 15c.

PINK RAMBLER—(*Euphrosyne*)—Similar to *Yellow Rambler*, except color, which is a clear shiny rose or pink. In hardiness, freedom of bloom, form and color of flowers and vigorous climbing habit it is fully equal to *Crimson Rambler*. 15c.

WHITE RAMBLER—(*Thalia*)—The numerous small double flowers are pure white. In all respects very similar to *Yellow Rambler*. 15c.

YELLOW RAMBLER—(*Aglaia*)—A very hardy *Yellow Climbing Rose*. The beautiful clear yellow flowers are borne in immense trusses, sometimes over 100 in a cluster, medium size and last three or four weeks. 15c.

Grand Brand, Va., 3-27, '99.—“Those three *Rambler* roses bought of you last year grew very nicely.”—Mrs. C. B. V.

FOUR HARDY CLIMBING ROSES.

The following varieties endure the most trying weather and make a grand mass of flowers.

Postpaid, each, 15c.; 4 for 40c.

BALTIMORE BELLE—Pale blush, shading to rose color; double flowers in large clusters.

PRAIRIE QUEEN—Extra fine, free bloomer; flowers large, bright rose, sometimes striped with white. Extra fine; deservedly popular.

RUSSELL'S COTTAGE—Very double and full flowers of fine rich, dark crimson.

MARY WASHINGTON—A hardy, *perpetual blooming climber*, bearing large, double, fragrant white roses, usually in large clusters, in great abundance. A vigorous and rapid grower.

HARDY MEMORIAL OR TRAILING ROSES.

Price, each, 15c., or 3 for 40c., postpaid.

The hardiest of all roses; will stand any climate or exposure and thrive in the poorest soil. Foliage bright green, shining, as if varnished; not subject to mildew or any insect. Flowers produced in great profusion, deliciously fragrant and last a long time in perfection.

WICHURIANA ROSE—Creeps over the ground like Ivy; especially valuable for cemetery planting; produces profusely large single white flowers with yellow center; has strong wild rose fragrance.

MANDA'S TRIUMPH—Large clusters double pure white flowers, well formed.

NEW ROSE. “CLIMBING METEOR.” This new rose might well be called *perpetual blooming climbing Jacqueminot*, the color of which it strongly approaches, but is more vigorous, producing ten times the number of flowers on immense stems. For winter blooming it has few equals. Just the rose for conservatory or bay window. 15c.; 4 for 50c.

pure, soft violet-rose, almost borne in clusters of 25 to 50;

SOUTH ORANGE PERFECTION—Perfectly formed double flowers; soft blush pink at the tips, changing to white.

PINK ROAMER—Single flowers nearly two inches in diameter, bright, rich pink, almost a white center.

Helene, a New Seedling from "Crimson Rambler." A rose novelty that can be strongly recommended upon even its wonderful parent—"Crimson Rambler." Very robust growth, throwing up canes 10 to 15 feet high in single season. Foliage thick, leathery and glossy; flowers borne in large clusters in amazing profusion; flowers nearly double the size of *Crimson Rambler*, remaining in perfection a long time; color a blush; base of petals yellowish; buds are carmine, finely mossed and most valuable addition to the *Rambler* type. Each, 20c.; 3 for 50c.

TWO OF THE BEST TENDER CLIMBING TEA ROSES.

Much admired in the south, where they are hardy. When grown out-doors in the north they must be laid down and covered with leaves or other litter.

Marchal Niel—The finest of all *Yellow Roses*. Grand buds of golden-yellow; superior formed, highly-scented. 15c.; 4 for 50c.

White Pet—Strong growing, abundant blooming, climbing *Polyantha*; excellent pillar Rose, blooming in immense clusters of pure white flowers. 15c.; 4 for 50c.

"Souper" Collection of Roses.

Price (Postpaid), each, 10 cents; the 4 for 35 Cents.

New Pink Souper—Free and constant bloomer, covered, when only a few inches high, with dozens of bright rosy pink flowers, changing in hue as they fade and producing a pleasing effect.

Yellow Souper—(*Mosella*)—Splendid bedding rose; strong grower; flowers in clusters, on single stems; yellow in center, getting creamy-white on the edges of the petals.

White Souper—(*Leonie Osterreith*)—There is no better white rose grown; buds good size, flower full, double and deliciously fragrant, pure white with deep center.

Clothilde Souper—(*Polyantha*)—Vigorous growth, compact, wonderfully profuse and constant bloomer; flowers very double, produced in clusters, beautiful pearly-white with rosy-lake center; slightly fragrant; very hardy overblooming rose. One of the finest.

We mail good live Rose Plants, but any complaints of their not arriving in good condition must be made within one week after arrival.

New and Standard Geraniums.

Comprising Varieties of the Highest Merit. Not an Undesirable One in the Whole List.

SUPERB DOUBLE GERANIUMS.

10 cents each, 6 for 50 cents.

Heteranthe—(*Double Gen'l Grant*)—One of the finest *Geraniums* of recent introduction; splendid bedder, the clear vermilion-red of its flowers showing well above compact, sturdy foliage; its strong growth and fine habit make it in every way desirable.

La Favorite—A fine double white. The flowers are pure white and large trusses of medium size; stands the sun well; an excellent bedder.

Montesqueu—Very large semi-double flowers; exquisite pale mauve, with white eye. It bears a fine truss on long, stiff stalks.

Emile de Girardin—Very popular bedding variety; color a beautiful shade of soft rosy-pink; a prolific bloomer.

S. A. NUTT. The very best of the dark crimson-scarlet bedders and good for all purposes; always in demand; see *our ad.* in the *Chicago parks.*

Gloire de France—Large round florets of waxy appearance; colors carmine and white, with carmine center; very fine fancy pot variety. Nothing finer in the way of color.

SELECT SINGLE GERANIUMS.

10 cents each, 6 for 50 cents.

Granville—The finest of all the single pinks for bedding purposes, also an excellent pot plant. Plant of good strong habit, and prolific bloomer, throwing the flowers well above the foliage; forms a mass of soft clear pink, a scarce color in real good bedders.

Sam Sloan—A velvety-crimson, and carrying immense trusses.

PEACH BLOSSOM. (*Souvenir de Mirande*)—Has round florets, upper petals creamy-white with a distinct rosy-pink border, lower petals salmon-rose, streaked with pure white.

Copernic—Floret perfectly round; beautiful shade of rose-carmine, changing to bright salmon at base of petals, with small white eye; very large truss of florets on long foot-stalks.

Rev. Atkinson—Rich crimson-scarlet; fine large flowers and truss; free-blooming and one of the best bedding sorts.

Mrs. J. M. GARR—One of the finest single white bedders. The plants are a mass of bloom all summer.

NEW AND STANDARD GERANIUMS—Continued.

NEW GIANT SINGLE VARIETIES.

"THE SUNPROOF RACE"—(BRUANT'S.)

Mme. Bruant—Totally distinct from every other in culture; plant vigorous and free flowering; fine trusses with large flowers; white veined with carmine lake. 15c.

Beaute Poitevine—Semi-double; enormous flowers, aurora pink, shading to bright salmon center; grandest of light fancy Bruants. 15c.

Alphonse Ricard—Dwarf and branching; flowers in great masses; both flowers and truss of enormous size; brilliant shade of orange-red. 10c.

W. P. Simmons—Remarkable for its dwarf stature and brilliant and abundant bloom; extremely bright orange-scarlet; grand size. 10c.

Mrs. E. G. Hill—Floret 2½x2 inches. Center of each petal is a soft, light salmon, bordered rosy-salmon and veined deep rose. 10c.

Athlete—Flowers large and round; trusses of enormous size; color brilliant clear scarlet; extra fine. 10c.

Three 10c. or Two 15c. kinds for 25c. The set of 7 for 65c.

GOLDEN BRONZE GERANIUMS.

Bronze Bedder—Foliage bright golden-yellow, with broad zone of a deep chestnut brown, scarlet blossoms; stands sun well. 10c.

Cystal Palace Gem—Broad golden-yellow margin, with a central disc of green; dwarf and free. 10c.; 3 for 25c.

Mrs. Pollock—Bright bronzy-red zone, belted with crimson, edged with golden-yellow. 15c.; 2 for 25c.

Sunset—One of the finest; a broad golden belt overlaid with a bright carmine-red zone. 15c.; 2 for 25c.

IVY-LEAVED GERANIUMS.

10 cents each, 3 for 25 cents.

Chas. Turner—Color bright scarlet with soft rose tint. The best bloomer of all Ivy Geraniums.

Joan of Arc—Only double white Ivy Geranium.

Prince Albert—Beautiful green foliage, with a creamy white band, sometimes changing to pink; flowers single, pink.

Incomparable—Trusses very large, florets immense and very regular in form; an exquisite shade of rosy-carmine. No diaer.

SILVER LEAVED GERANIUMS.

20 cents each, 3 for 50 cents.

Mrs. Parker. *New double flowered Silver Leaf.*

The foliage is deep green, with a broad border and margin of pure snow white, the flower is perfectly double, of a clear bright pink.

William Langthorpe (or Red Flowered Mrs. Parker)—New variety; short stocky growth, beautiful dark green leaves, each marked with broad, pure snow white band. Free blooming. Flowers double, bright red, large, extra filled out blooms. Each, 20c.; 3 for 50c.

Happy Thought—Dark green foliage, having a light creamy, almost white center, with a dark band about the light zone.

Mountain of Snow—Very ornamental, bright green foliage with broad silvery white margin; flowers bright scarlet.

Mme. Salleroi—Bright green foliage edged with white; neat, pretty and dense; stands sun well; few plants equal it for border.

Mrs. Parker.

SWEET-SCENTED GERANIUMS.

10 cents each, 3 for 25 cents.

Apple-Scented, Lemon-Scented, Nutmeg, Rose.

Mrs. Taylor—Dark green foliage of peculiar fragrance. Flowers scarlet; borne in great profusion.

Shrubland Pet—Very fragrant, pretty rose colored flowers.

Six Superb Carnations.

PRICE, 10 Cents Each. The Set of Six for 50 Cents.

Mrs. Geo. M. Bradt—Color clear white, heavily edged and striped with bright scarlet; flowers enormous and full. Habit strong and vigorous.

Gold Nugget—The best yellow. Strong grower and free flowering; long, strong stems.

Jubilee—Color intense scarlet of the richest shade. One of the largest flowers among the reds; flowers full and well built; a free, continuous bloomer.

Flora Hill—Grandest white to date. Flower enormous size. Wonderfully free bloomer.

Royal Wave—This is a splendid carmine-pink, the most free-flowering of all. Dwarf habit, the stems being about fifteen inches high.

Wm. Scott—This is the greatest Carnation of its kind on the market to-day. A strong, rich pink, with shade of salmon. Flowers of large size.

Six Charming Fuchias.

Price, 10 Cents Each, or the Set of Six for 50 Cents.

Avalanche—Beautiful golden foliage, a dark, double violet-purple corolla.

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.

Mad. Van der Strass—Fine, large and elegant form; sepals long and reflexed; pure red; corolla large, double white. The finest market double white Fuchsia.

Trophée—Double. Buds quite round and beautiful deep red color. Open flower, dark purple and very beautiful. One of the very finest.

Rosains 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 is very large, double and pure white.

Six Finest and Best Chrysanthemums.

Price, 10 Cents Each. Full Set of Six for 50 Cents.

Golden Wedding—The grandest golden-yellow variety ever introduced. Nothing can exceed the richness of its color. A remarkable vigorous grower.

Trory—Pure white flowers, of exquisite form and finish. Especially noticeable for its grand globular form, its dahlia-like petals and absolute purity of color.

Maude Dean—An immense pink variety; finely incurved; petals broad, shell-shaped. One of the largest flowers exhibited in the fall shows.

Mrs. Henry Robinson—An early white, blooming with us October 5th. Fine substance and very lasting. One of the most popular varieties.

Major Bonaffon—Soft, clear yellow, incurved, full in the center. Six to seven inches in diameter and nearly as deep. Form and finish perfect.

Fisher's Torch—Bright fiery red, the richest shade in Chrysanthemums. Large fine flower; very showy.

Six Finest Begonias For Bedding and House Culture.

Price, 10 Cents Each. The Set of Six for 50 Cents.

Vulcan—A grand new Begonia. It is an intense Scarlet Vernon.

Sandersoni—A bushy growing variety with glossy deep green leaves. Flowers in clusters of drooping, scarlet, heart-shaped buds. Constant bloomer.

Metallica—Grand for tall specimen plants. Thick panicles of pink buds and white flowers against large, red veined leaves of glistening bronze-green.

Carnations.

Argentea Guttata—A handsome foliage variety. Purple bronze leaves oblong in shape, with silvery markings. White flowers. An excellent plant.

Rubra—Dark, glossy green leaves. Free flowering. One of the best plants for house or conservatory. Flowers a rich coral red, in large pendant panicles.

Vernon—Foliage rich glossy green, often shaded deep bronze. Flowers at first opening are a deep red, changing to a beautiful clear rose.

Plant

Collections

BY MAIL 50c. EACH.

Collection Number.

- 1-12 beautiful Ever blooming Roses, all colors and splendid varieties.
- 2-4 Charming Tea Roses, 4 fine Hardy Roses, and 2 Climbing Roses. This makes an elegant collection for 50 cents.
- 3-8 Lovely Tea Roses, 3 fine Hardy Roses, 2 different Climbing Hardy Roses, 2 pretty Japan Fairy Roses.
- 4-5 Superb Hardy Roses, 5 fine Hardy Climbing Roses. This will make a fine outdoor garden.
- 5-10 Lovely Pure White Roses. Fine cemetery plants. Tea and Ever-blooming varieties.
- 6-10 Choice Double and Single Geraniums. Will make a very nice bed.
- 7-4 Double, 4 Single and 2 Sweet-Scented Geraniums. A fine collection for a small garden.
- 8-3 Double Geraniums, 3 Single Geraniums, 3 Fragrant Geraniums, 1 Ivy Geranium.
- 9-2 Silver-Leaved Geraniums, 2 Double and 2 Single Geraniums, 2 Fragrant, 2 Ivy Geraniums.
- 10-12 Chrysanthemums of the new, large flowering kinds, all different and labeled correctly.

OUR SPECIAL 50-CENT Bargains in Plants.

Only 50c. Will buy any one of the collections named below, delivered safely by

mail, postpaid, to any address. The Collections are all fine, strong plants of the best varieties, and are marvels of cheapness. We can only afford to sell them so cheap by growing these sorts in immense numbers. The choice of varieties must invariably be left to us, the purchaser simply naming the number of the set or sets desired. Every plant is plainly labeled, and there are no two varieties alike in the same Collection.

There is no Dividing or Changing in these Collections.

PLEASE ORDER BY NUMBER ONLY.

NOTE.—Sometimes when seeds and plants are ordered together, we send the seeds at once and the plants follow later from the greenhouses.

Collection Number.

- 11-10 Choice Carnation Pinks—large, double and sweet scented.
- 12-5 Splendid varieties of Carnations, and 5 nice Sweet May or Scotch Pinks.
- 13-10 Lovely Flowering Begonias. This makes a choice collection of beautiful house plants.
- 14-13 Coleus. The best and most distinct varieties of the newer kinds.
- 15-10 Fuchsias double and single, specially selected for window decoration.
- 16-10 Foliage Plants, viz: 4 Coleus, 4 Achyranthus and 2 Acalpha.
- 17-3 Heliotropes, 3 Feverfew, 3 Hibiscus and 1 Asparagus Penusissimus.
- 18-2 Hibiscus, 2 Moon Vines, 2 Violets, 2 Coleus and 2 Heliotropes.
- 19-1 Hardy Rose, 1 Tea Rose, 1 Double Geranium, 1 Single Geranium, 1 Sweet-Scented Geranium, 1 Hibiscus, 1 Heliotrope, 1 Feverfew, 1 Begonia and 1 Carnation.
- 20-2 Tea Roses, 2 Heliotropes, 2 Sweet-Scented Geraniums, 2 Violets and 2 Carnations—our famous Sweet-Scented Collection.

FIVE UNNAMED... 50-CENT COLLECTIONS * BY MAIL POSTPAID.

- 21-13 Lovely Tea Roses. These are all different.
- 22-6 Fine Hardy Roses and 6 splendid Hardy Climbing Roses.
- 23-6 Double Geraniums and 6 Single Geraniums—no two alike.

- 24-15 Beautiful Chrysanthemums which will be a surprise to you in their strange forms and lovely colors.
- 25-12 Choice Carnation Pinks. All colors.

BARGAIN SETS AND COLLECTIONS

THE GEM ROSE COLLECTION.

20 Roses. A Large Bed of Ever-Blooming Roses, postpaid, **\$1.00**

For \$1.00 we will send by mail, postpaid, to any post-office, the Gem Collection, comprising 20 beautiful Ever-Blooming Roses, in 20 different varieties, each labeled and carefully selected to suit your locality. If you want beautiful Rose Buds all summer, plant this set. If there is no room in the front yard, plant in the garden, which is a capital place to grow roses for flowers. In ordering say "The Gem Rose Collection."

OUR CHARMING FUSCHIA COLLECTION.

20 Elegant Double and Single . . . \$1.00

... FUSCHIAS, postpaid, for \$1.00. This charming set of house plants is well worthy a trial. Nothing will add so much to your window decorations as a fine variety of Double and Single Fuschias. Give it a trial.

THE PRIZE CHRYSANTHEMUM SET.

20 PRIZE WINNERS . . . \$1.00

Postpaid, for \$1.00. This collection includes the most desirable varieties that brought prizes at the different shows in November, and goes over the entire range of color, form and size. If you desire to be up to date in Chrysanthemums try this collection.

THE CHAMPION GERANIUM SET.

20 Beautiful Selected GERANIUMS, \$1.00

Postpaid, for . . . Remember this is not a set of Geraniums picked up from any surplus we may happen to have, but contains the choicest varieties—both double and single, in every shade of this useful flower—and you cannot fail to be pleased with it.

* DEPARTMENT OF * Spring Bulbs, Plants, Roots, Hardy Shrubs and Climbers.

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 stock than if 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. Those in want of Larger Quantities than here quoted will please write, stating kinds and quantity wanted, and we will cheerfully make Special Prices.

Jacobean Lily.

EQUESTRE—Bright salmon pink, with a distinct snow-white blotch at base of petals. Bulbs, each, 15c; 4 for 50c.

FORMOSISSIMA—(Jacobean Lily)—Crimson velvet color, flowering early. Each, 15c.

VITTATA—Red and white striped; a beauty. Each, 50c.

Amaryllis.

Beautiful lily-shaped flowers, fine for pots, and should be in every window. No bulb is easier to manage; pot them when received and they will soon begin to grow and bloom. Following are the finest varieties.

JOHNSONII—Bears 3 to 6 large brilliant red flowers with white stripes in the center of each petal; fragrant. Bulbs, each, 35c; 3 for \$1.00.

EQUESTRE—Bright salmon pink, with a distinct snow-white blotch at base of petals. Bulbs, each, 15c; 4 for 50c.

FORMOSISSIMA—(Jacobean Lily)—Crimson velvet color, flowering early. Each, 15c.

VITTATA—Red and white striped; a beauty. Each, 50c.

Apios Tuberosa. HARDY CLIMBER.

Also called Tuberos-rooted Wistaria, as it pretty resembles that well-known vine. It blooms most profusely, bearing lovely clusters of rich, deep purple flowers, possessing a delicious violet fragrance. Perfectly hardy. Bulbs, each, 5c; 5 for 20c; doz., 40c.

Johnsonii. One of the best hardy climbing season ever. Bears throughout the season numerous 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 5c, each, 4 for 50c.

Cyperus "Umbrella Alternifolius. Plant."

A plant of the very easiest culture, and will thrive in any soil if kept well watered. They thrive best, however, in damp soil or in a partially shaded place, like the north side of a fence, etc. It will grow in a bowl, dish or vase partly filled with soil and water. From the center of the umbrella-like and palm-like leaves appear small flowers, followed by young plants. A very satisfactory plant, indeed.

Plants, each, 15c; 5 for 50c. Larger Plants, 25c; 3 for \$1.00.

Ampelopsis.

"BOSTON IVY."

VEITCHII—The Popular Boston or Japan Ivy. The finest climber we know of 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 take on, in the fall, the deep bright autumn colors. It likes a rich soil; quite hardy, but requires a slight protection in winter in our climate. Strong plants, 15c. each; 2 for 25c. Extra Strong Plants, 25c. each; 3 for 40c.

QUINQUEFOLIA—Old Virginia Creeper. "American Woodbine." A hardy climber of rapid growth, for covering walls or unsightly objects: 15c; 4 for 50c.

Achillea, PURE WHITE. "THE PEARL." ..... The Great Cemetery Plant.

A plant will produce hundreds of flowers the first summer, but when established the second year frequently have more than five hundred perfect flowers on the plant at one time. It 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 planting, as it is sure to thrive and bear its great profusion of snow-white flowers nearly the whole summer. A HARDY PERENNIAL; succeeds everywhere. Plants, Each, 10c; 3 for 25c; doz. 75c.

Bignonia Radicans. "Trumpet Flower." A rapid growing climber with long dark red trumpet-shaped flowers, with orange throat; very hardy. Each, 20c; 3 for 50c.

Abutilon, Savitzi.

Abutilon.

Flowering Maple, or Chinese Bell Flower.

SAVITZII—A new Japan maple-leaf variety; plant dwarf and compact; foliage large, clearly defined, with deep border on leaf; distinct and very valuable plant.

SOUV. de BONN—Similar to the above, but a stronger grower and narrower white edge on leaves.

GOLDEN FLEECE—A fine, pure bright yellow; tree bloomer.

ECLIPSE—With golden spotted leaves, flowers bright yellow, crimson throat; suitable for baskets and vases.

SPLENDENS—Dwarf; deep red flowers.

THOMPSONI—Double. Orange flowers, spotted leaves; distinct.

Begonias.

Tuberous-Rooted.

The extra large size and beautiful colors recommend this flower to all. They are easily grown and cared for. For growing in pots or boxes in the house, plant in rich, sandy soil; give good drainage, water freely after the leaves start, but do not let the soil become sour or loggy from over-watering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mould, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth keep well watered. If planted in a proper situation no plant will give a more magnificent display throughout the summer. The single varieties are most satisfactory for general purpose.

SINGLE VARIETIES. Large, well-ripened tubers. White, pink, yellow and crimson—Each, 10c.; 4 for 30c.; dozen, 80c.

Single, mixed—Many varieties. Each, 10c.; 4 for 25c.; dozen, 75c.

DOUBLE VARIETIES—In Finest Mixture. Many varieties. Each, 15c.; 4 for 50c.; doz., \$1.50.

Aristolochia Siph. 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 from early spring to late fall. Each, 30c.; 4 for \$1.00. Extra strong plants, 50c. each; 3 for \$1.25.

Achillea—The White Pearl.

Clematis

The Justly Proud Queen of all Hardy 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 at least 3 inches below the surface of the soil, *water freely*, especially at dry times; give plants a good top dressing of well rotted manure late in the fall, and the following spring spade well and carefully into the soil and you will be well repaid. The varieties we offer are those best adapted to our climate.

NEW RED CLEMATIS.

MAD. EDOUARD ANDRE.

Entirely distinct; a bright crimson red. Resembles Jackmanii in freedom of bloom, strong vigorous growth, and shape and size of flower, but is of a distinct red color of a most pleasing shade.

Jackmanii. Flowers dark, rich royal purple; very free bloomer; the best known and most popular.

MAD. BARON VILLIARD. Flowers large; light rose with lilac shadings; a rank grower and very distinct.

Henryii. The best single flowered white; robust habit and a fine bloomer; large finely formed flowers of a beautiful pure white. Very hardy.

GISSY QUEEN—One of the finest rich purple varieties, a very strong grower and free bloomer.

CLEMATIS, each of above, 50c; any 3 for \$1.25; 6 for \$2.25. Extra Strong Plants, of above, 75c; 3 for \$2.00.

CLEMATIS—The following are Small-Flowered and Fragrant. Price of each variety, 20c; 3 for 50c.

CRISPA—Fine deep blue with white border; very fragrant bell-shaped flowers.

COCCINEA—Cone-shaped flowers; bright coral-red; blooms from June until frost; rapid grower; very free bloomer.

FLAMMULA—"Virgin's Bower"—(American White)—A very rapid growing and hardy plant; its small white fragrant flowers are borne in clusters nearly hiding its small bright green foliage.

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. Flowers appear in late summer at a season when very few other vines are in bloom.

Good Plants, 20c. each; 3 for 50c.; 7 for \$1.00. Extra Strong Plants, 40c.; 3 for \$1.00.

Caladiums.

height of from 4 to 6 feet, the leaves being veined and variegated with 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 an abundance of water 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 shallow box in dry sand or soil and store in a dry, warm cellar.

Caladiums.

We make a specialty of Caladium Bulbs and are in position to make **Low Price** by the Barrel, 100, etc. Write us if you want 25 or over.

Cinnamon Vine.

This beautiful and 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 or window make an ornament much admired. It is easy to cultivate, has no insect enemies, and is not affected by drought because its roots so deeply. The tubers are called "Chinese Yams"; they increase in size from year to year, and are often 2 feet long at two or three years of age. We have grown this vine for more than ten years, and sent out many thousands to every section of the country, and the only verdict is—"One of the most desirable climbers in cultivation."

Roots (postpaid)—10c. each; 2 for 15c.; 5 for 25c.; 15 for 50c.; 40 for \$1.00; 100 for \$2.00.

Sarah F. Reed, Bartholomew Co., Ind., writes, April 22, 1899: "I received my plants in fine shape; am well pleased. Enclosed find order for more plants."

Clematis Paniculata.

Cinnamon Vine.

Madame Crozy Canna.

CRIMSON AND SCARLET SHADES.

PHILADELPHIA—Green foliage. Undoubtedly one of the best for massing. It makes a splendid bed planted alone as a solid color. Both the trusses of bloom and the individual flowers are of the largest size. Petals broad and shapely; color the clearest shade of glowing crimson-scarlet ever seen in a flower. 4 feet.

TRIUMPH—Green foliage. Good flower and truss; color rich, bright red. Broad, thick petals, very durable. A constant bloomer and very handsome and desirable. 3½ feet.

ROBERT CHRISTIE—Green foliage. Large flowers, of a bright vermillion, forming large trusses, which incline to droop gracefully. An early and prolific bloomer. 5 to 5½ feet.

ALPHONSE BOUYER—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.

CHICAGO—Bright vermillion scarlet; very handsome; popular. 4 feet.

CHAS. HENDERSON—Flowers crimson. One of the best. 4 feet.

EXPLORATEUR CRAMPPEL—Flowers large, color a clear vermillion scarlet, tinted with crimson spots. 5 feet.

PRICE—Any of above—Each, 10 cts.; doz., \$1.00; Set of Eight, 65 cts.

GILT-EDGED VARIETIES.

MADAME CROZY—Old reliable, all round general purpose Canna. Very large scarlet-red, flowers bordered with gold. Spike large; of fine form; great bloomer. 4 feet.

QUEEN LIBRE—Large flower, deep blood-red, with gold border, and fully equal to Madame Crozy in flowers, foliage and habit of growth.

CUBA CHARLOTTE—Rich crimson-scarlet, with wide gold border on every petal. A profuse bloomer. Broad green leaves. 3½ feet.

SOUV. DE ANTOINE CROZY—A fine gilt-edge variety. Large full spikes. Rich crimson flowers, bordered with golden-yellow. 3 feet.

PRICE—Any of above—Each, 10 cts.; doz., \$1.00; Set of Four, 35 cts.

Livingston's Dazzle 6 CANNA SET....

.....A VERY POPULAR SET.

Six of the very best, richest colors, largest flowering French 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 and see. Postpaid, **only 60c.** 2 sets for \$1.00.

Canal Fulton, Ohio.—"The Canna Bulbs came to hand yesterday and are fine,"—Mrs. F. KALLER.

Cannas.

The Canna is one of the most beautiful of all foliage plants, and has long been a great favorite, but since the introduction of the new French varieties their value has been greatly increased by adding to the already attractive foliage, large flowers of the most brilliant colors, and now these are the leading foliage plants known to florists, the foliage differing in the different varieties from a splendid bronze to light and dark green, and the flowers from a bright yellow to a dark red; also in variation and mixture. Plants grow from two to ten feet high, according to the kind. Many of the following, after blooming all summer, will bloom in the winter if potted before frost. Plant outdoors about the middle of May. Do not water too freely until well started or the roots will rot. Below will be found a SELECT LIST of the best and most distinct old and new varieties. Too many so-called NEW varieties have been introduced with really nothing of merit or distinctness to recommend them over older kinds; such we have culled out, making up our list of all choice kinds, every one of which is a good one. We supply Roots up to about April 1st, and PLANTS after roots are gone.

NEW GIANT ORCHID FLOWERED CANNAS.

America. Dark bronze leaves. The spikes are very large and the flowers enormous, of a very beautiful glowing red, flamed and striped. Height, 4½ feet. 20c. each; 3 for 50c.

PARTEOPE—Green foliage. Flowers of extra large size and fair substance. Color bright reddish salmon. Very showy and distinct. Early and more free flowering than most of its class. 5 to 6 feet. Each, 25c.; 3 for 60c.

BURBANK—Flowers 6 to 7 inches across, mostly semi-double. Beautiful rich canary yellow. Throat finely spotted crimson. Strong and handsome. 5 to 6 feet.

ITALIA—Immense flowers of true orchid form. Center brilliant red. Petals widely bordered with deep yellow. Very handsome and showy. 4 to 5 feet.

ALLEMANIA—Enormous flowers, frequently 8½ inches across. Outer petals scented with broad yellow border, inside of bloom scarlet and dark red; extremely beautiful. Foliage dark green. 4 to 6 feet.

Price of last three, each, 15 cents. The three for 35 cents. The Orchid set of five for 60 cents, Postpaid.

NEW AND RARE CANNAS.

MILLE BERAT—Green foliage. One of the best bedders we have. A very soft shade of rosy carmine. Petals long and hang gracefully upon the flower stalk. A bed of this variety is simply superb, a solid mass of pink. 5 feet. 15c.; 3 for 40c.

PRESIDENT MCKINLEY—2½ to 3 feet. Brilliant crimson, with bright scarlet shading; truss large, compact, of good shape, held well above the foliage, and the flower spikes are produced freely and evenly. Each, 15c.; 3 for 40c.

PRESIDENT CLEVELAND—3 feet. Bright orange scarlet, large truss, strong, robust habit. Each, 15c.; 3 for 40c.

DWARF FLORENCE VAUGHAN—Of uniform dwarf habit, never exceeding 3 feet, with broad, massive dark green leaves. An early and continuous bloomer; graceful trusses of large, bold flowers, rich, golden yellow, thickly dotted bright red. Each, 20c.; 3 for 45c.

SAM TRELEASE—The flowers are of a rich glowing orange-scarlet, with large-sized petals, opening nearly flat; the ideal Canna for massing. 3 feet. Each, 15c.; 3 for 40c.

GLORIOSA—Dwarf, only 18 to 24 inches high. Color, bright rich crimson, with wide border of deep golden-yellow. A most showy and handsome variety. Invaluable for bedding and also for house culture. Each, 15c.; 3 for 40c.; 6 for 75c.

SUNRAY—Flowers of large size, open out well, and produced freely; rich bright yellow, with stripes and dashes of bright scarlet. Each, 15c.; 3 for 40c.

YELLOW CROZY—Green foliage. Flower a clear, pure canary yellow, few faint red spots on the smallest lower petal. In size, the flower petals are 1½ inches broad. 4 feet. Each, 20c.; 3 for 45c.

Set of Eight for \$1.00.

RED, DARK OR BRONZE-LEAF VARIETIES

EGANDALE—Strong, compact flower spikes; color currant-red. The finest bedding Canna of its color. 4 feet. 10c.; 3 for 50c.

LEONARD VAUGHAN—Has rich, deep bronze foliage, and is the best of all the dark leaved, flowering kinds to date. Large, bright scarlet flowers. 6 feet. Each, 15c.; 3 for 40c.; 7 for 75c.

BRONZE BEAUTY—Bronze leaf, green stalk, strong grower; flowers open and well above the foliage, petals large and curving; color deep vermillion-orange. 5 feet. 15c.; 3 for 40c.; 7 for 75c.

J. D. CABOS—Rich maroon foliage; flowers large and round; color exceedingly distinct rich apricot. 5 feet. 10c.; 3 for 50c.

The Set of Four for 40 cts; two of Each, 75 cts.

YELLOW, ORANGE AND SALMON SHADES

THE BURLINGTON—Green foliage. Flowers large, rounding; a clear orange color, with a bronze luster. Strong grower, early to flower; cleans itself of all decayed flowers. 6 feet. 15c.; 3 for 40c.; 8 for \$1.00.

FLORENCE VAUGHAN—The highest type. Petals remarkably wide, rounded on the ends, of good substance; very large, yellow flowers, thickly dotted with bright red. Foliage green, splendid broad leaves. An ever bloomer. 4 feet.

ELBORADO—Foliage green. Flowers large yellow, finely speckled with lightest red; always a mass of bright, golden yellow.

PAUL MARQUANT—Green foliage, strong flower spikes; extra large flower or a deep salmon color, smoothly shaded orange. 4 feet.

STELLA KANST—Flower a rich apricot; foliage green. 5 to 6 feet.

PRICE—Any of above, EXCEPT BURLINGTON, Each, 10 cts.; Doz., \$1.00. Set of 5 for 50 cts.

Special Prices on application for Larger Quantities of Cannas than here Quoted.

Robusta.

Well-known and one of the most effective of all dark-leaved varieties, although not a large flowering sort, it is valued on account of its luxuriant foliage, making it desirable in sub-tropical gardening, where rich foliage effects are wanted. The wide waxy leaves, its immense dark bronze leaves are 12 to 18 inches wide and 30 to 36 inches long. We have a fine lot of roots of this "old reliable."

GOOD ROOTS, each, 10 cts.; 6 for 50 cts.; postpaid. **STRONGER ROOTS**, by express (at buyer's expense), 10 for 75 cts.; 25 for \$1.50; 50 for \$2.50; 100 for \$4.75.

Extra Fine

Gladiolus

“True Blue.”

THESE fine Summer and Fall Flowering Bulbs will produce blooms which embrace every shade of color, and are marvels of beauty. Great improvements have been made in this flower during the past few years.

They are of easiest culture and produce their brilliant spikes the first year. As soon in the spring as the ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of bloom will be had. In the fall the bulbs can be taken up and stored over winter in a dry place. **Our Prices include prepayment, unless otherwise noted.**

Mixed Gladioli. The bulbs we offer are of the finest quality, and no better mixture can be had, where fine colors and distinct markings are desired. 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 most popular named sorts producing the greatest possible range of color and containing many fine specimens of rare beauty which will be appreciated by the most critical and those who care to grow only the best obtainable. A mixture bound to lead all others in popularity. **Postpaid.** 5c. each; 6 for 25c.; doz., 40c.; 40 for \$1.00; 100 for \$2.25. By Express—\$1.75 per 100; \$15.00 per 1000.

CHICAGO, ILL.—"Gladiolus seedlings sent me last spring were superior to any seedlings I have seen so far."—C. J. S.

EGGANDALE, ILL.—"The Gladiolus far exceeded my expectations, and compared most favorably with those that COST FIVE TIMES what they did."—W. C. E.

WASHINGTON, D. C.—"Bulbs sent were much superior, in every way, to the 'Superb' collection I had from others the previous year."

BALTIMORE, MD.—"Gladiolus received from you were the finest we ever grew."—C. BROS.

MACOMB, ILL.—"Gladiolus bulbs bought of you are the finest I ever saw: so many varieties and all extra fine."—S. T. D.

CHOICE NAMED GLADIOLUS.

One each of the following 10 Named Varieties for 75 cents. Postpaid.

African—Darkest crimson black, with pure white blotch in the throat. The darkest and one of the finest colors; large flower and spike. Each, 10c.

Amalthe—Pure white, violet-red blotch. 10c.

Ceres—White, spotted with purplish rose. 5c.

Isaac Buchanan—Fine, clear canary-yellow. 5c.

Grand Rouge—Enormous spike and flower of the most perfect shape and intense scarlet, with small violet blotch in throat. Grandest of all scarlets. 10c

La Candeur—White, striped carmine-violet. 10c.

Mlle. Marie Mies—Delicate rose, flamed with

carmine, slight rose blotch; dense spike. 20c.
Mabel. Deep pink shaded carmine; many

May—Lovely pure white flower, finely flaked

Snow White—Magnificent variety with grand spikes of large snow-white flowers. 20c.

GLADIOLUS—SEPARATE COLORS. Prices Quoted are Postpaid.

White and Light Shades, Mixed.....	4c
Pink Shades, Mixed	4c
Red and Scarlet Shades, Mixed.....	4c

CH.	DOZ.	100	
c.	35c.	\$2.50	Yellow Shades, Mixed.....
c.	35c.	2.50	Striped and Variegated, Mixed.....
c.	30c.	2.00	Scarlet and Pink—White thro

"CARE AND CULTURE OF GLADIOLUS."

—WRITTEN FOR US BY—
MR. WILBER A. CHRISTIE, Gladiolus Specialist.

Free to Customers To others
20 Cents.

Gloxinia.

Gloxinia. A charming class of summer-blooming plants, the rich and varied coloring of the flowers being beautiful in the extreme, many of them beautifully speckled; flowers 3 inches long by 2 inches in diameter, upright and pendulous; colors—crimson, violet, rose, scarlet, white, etc. They attain the greatest perfection if grown in light, rich soil, in a shady, well ventilated frame. After they are done blooming they may be kept in a warm, dry cellar, or under the stage of a greenhouse. Our mixture has many colors, ranging from white to crimson and purple. **Mixed colors**—Bulbs, each, 10c; dozen, \$1.00.

Crimson Eye Hibiscus.

Hibiscus

"New Crimson Eye."

A robust grower with dark stems and foliage. Flowers immense size, purest white, with large spot of deep, velvety crimson in the center of each. Perfectly hardy. Blooms the first year in open ground. Each, 15c.; 4 for 50c.; 9 for \$1.00.

Hydrangea Paniculata Grandiflora.

Strictly
Hardy.

One of the grandest of our flowering shrubs, and *absolutely hardy* in all sections of the country. Easy to grow. Flowers in immense panicles, white, at first, gradually changing to rose color, and remains in good condition for weeks. For cemeteries or lawns nothing is more desirable.

Plants, each, 15c.; 4 for 50c.;
doz., \$1.25, *postpaid*.

Extra Strong Plants, (2 to 3 feet)
by express, each, 40c.; 3 for \$1.00;
7 for \$2.00.

Tree Form Plants, with a two-foot clear stem and nice large bushy tops, 75c. each by express only.

Hydrangea P. G.

A Field of Nymphaea Dahlias.

Filling Orders.—We send dormant roots as soon as weather will permit, up to about April 15. After our roots are exhausted we send good pot-grown plants.

Prices on all Dahlias are postpaid, unless otherwise quoted.

❖ ————— **TEN GRAND DAHLIAS.** ————— ❖

Admiral Dewey. (D) A valuable new variety, with large flowers of beautiful rich pure purple. Bound to become as popular as the name it bears. (4) Each, 25c; 3 for \$1.00.

John Walker. (S) Finest pure snow-white and absolutely perfect stems. (3) Each, 15c; 3 for 40c; 7 for \$1.00.

Clifford W. Bruton. (S) The finest yellow Decorative Cactus Dahlia yet produced. Flowers very large, perfectly full; in color a solid pure yellow, very clear and rich, with no green center, borne on very long, graceful stems, and hence of great value for cutting. Robust grower and exceedingly profuse bloomer. (3 to 4) Each, 15c; 3 for 40c; doz., \$1.50.

President. (F) A great favorite wherever known. White beautifully tinted with lavender-pink. (3) Each, 15c; 4 for 50c; 9 for \$1.00.

White Swan. (S) A new white of extra merit; long stems; fine for cutting. Easily took first prize at the New York show last fall. Each, 15c; 3 for 40c.

Mrs. W. J. Bryan. (S) Attracts marked attention wherever seen. For cutting it is a decided success, as it has exceptionally long stems. Color, light lavender, shaded rosy pink. (4½) Each, 15c; 3 for 50c; doz., \$1.50.

John Elitch. (D) Pronounced by good judges "the best red ever sent out." Flowers very large, five to six inches in diameter, and double to the center; the stems are long and wiry. Its color is a bright dazzling red; velvety. (5) Each, 20c; 3 for 50c; 7 for \$1.00.

Matchless. (C) A superb variety and a great prize winner. Large, handsome flowers of fine form, perfectly full and of a rich, soft maroon; exceedingly showy. (3) Each, 20c; 3 for 50c; 7 for \$1.00.

Floral Park Jewel. (F) Flowers of many colors, from deep maroon to bluish white, also beautifully spotted and variegated forms, all produced on the same plant. Often one-half of the flower will be white and the other half maroon; sometimes the center will be white and the outer petals deep crimson-maroon. Flowers very double, large, perfect, and borne profusely. No Dahlia gives greater satisfaction, and its oddity attracts the attention of everyone. (3) Each, 15c; 4 for 50c; 9 for \$1.00.

Dahlias.

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 loosely 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 requires no attention. In fact, no flower will give such a 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 and kept free from grass and weeds. Cultivation should cease when the blooms appear. Simply water liberally in dry weather. Plant the bulbs 2 or 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 three feet or more in height should be tied to stakes to prevent falling. 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 only apply in general: **Cactus**—The long narrow-petaled varieties, the petals generally pointed or twisted. **Decorative**—Broad flat petals, formerly classed with Cactus. **Fancy**—Variegated. **Pomponé**—The small round Dahlias; plants generally dwarf and bushy. **Show**—Large, well formed flowers, showing solid colors, but may have shaded tips.

Abbreviations—C, Cactus; D, Decorative; F, Fancy; P, Pomponé; S, Show. The Letters following the names indicate to which class the variety belongs.

The Figures after the descriptions refer to the height, in feet, of the plant, but it will vary more or less according to richness of soil, and season.

Nymphaea. (C) An American Dahlia of the greatest merit; as a cut flower unequalled in Dahlias; large and graceful; robust grower. A novel, clear delicate pink, not unlike a water-lily in form and color; a mass of bloom from June until frost. If you buy but one Dahlia, take this. (3 to 4) Each, 15c; 3 for \$1.00; doz., \$1.50.

Vase of Clifford W. Bruton.

WE WILL SEND THE ENTIRE COLLECTION OF ..... **TEN GRAND DAHLIAS FOR \$1.50 POSTPAID.** OR BY EXPRESS, AT BUYER'S EXPENSE.. For \$1.25

Purity—Purest snow-white.

Wm. Agnew—Intense dazzling red.

A Perfect Pink Beauty.

Purity. (S) A new first-class, up-to-date pure white Dahlia of large size, perfect form and exquisite finish; a vigorous grower, dwarf-branching; a free bloomer. (3)

Miss May Lomas. (S) One of the entire list. Flower distinct, having very large, shell-like petals of exquisite, waxy-finish; pure white, faintly suffused with soft, rosy lavender. A charming flower and very desirable for cutting. (3)

Pluton. Finest of all Yellow Show Dahlias; a pure clear yellow; large and perfect; a half dwarf, branching; flowers very profusely.

Apple Blossoms. (F) A very pretty new variety; combines all the shades found in apple blossoms, from red, pink and carmine to pure white. The first flowers are deep red-pink and carmine, but as the season advances they gradually open lighter and lighter until they become pure white. (3)

Kate Haslam. (S) Lovely soft pink; petals beautifully quilled. (3)

Glory de Lyon. (S) Largest, most perfect pure white in cultivation; petals very large, so numerous as to form nearly a perfect ball. (3)

Wm. Agnew. Finest of all red cactus dahlias, and the largest in size; a magnificent flower in color and form; flowers sometimes measure more than 7 inches in diameter; always full to the center; long petals, outer row beautifully twisted; richest shade of intense dazzling red. Plant medium height and branching. Good bloomer. Spicidid either for specimen plants or massing.

Grand Duke Alexis. Large, massive flowers, six inches in diameter; beautiful form; ivory white; petals tubular, sufficiently open to show a faint shade of blush, or peach. Admired by everybody, and easily takes first prize wherever shown.

Scarlet Queen. A wonderful bloomer, of pure cactus type, and when in full bloom is a perfect blaze of color. It is the earliest of all and continues freely throughout the season. Color, beautiful scarlet. (3)

Lyndhurst. (C) Large flowers of a fiery scarlet, shaded crimson; distinct in color from all others. Excellent for cutting. (4)

Snowclad. The very finest white Pom-pone to date. A strong grower, of branching habit; a profuse bloomer; of perfect form; always full to the center. Largely grown by florists for design work. A hundred perfect flowers can be produced to the plant if well cared for. A prize taker. (3½)

Miss Thatcher. (S) Beautiful yellow with large flowers well above the foliage. Should be in every collection. (3)

Lucy Faucett. (F) Lemon yellow; very desirous flower, one of the largest. Flecked with scarlet and purple, sometimes solid colors. (4)

Bonnard's Yellow. (S) One of the largest, earliest and best yellows. (4)

Black Prince. (C) Large, intense, velvety maroon, almost black. Blooms in great profusion. (4)

Fern-Leaved Beauty. A fine double dahlia. A new and entirely distinct type, with beautiful foliage; finely cut, like a fern; dwarf-branching; flowers distinct, good size, creamy-white, border of dark crimson around each quilled petal. (3)

A. D. Livoni. (S) Most perfect in form; of delicate rose, soft and clear; very graceful; medium to large, early and great bloomer. Very fine pink dahlia of its class in cultivation. (3)

Miss May Lomas.

Grand Duke Alexis.

Fern-Leaved Beauty—Novel and Distinct.

DAHLIA PRICES, for all Varieties above, 15c. each; 3 for 40c.; doz., \$1.50, postpaid, Buyer's Choice.

Single Flowering Dahlias.

Much used and very suitable for cut flowers, on account of their beauty, grace and long stems. TRY A SET.

OUR BIG 4 SET.

One Root each of the best rich Scarlet, the best Pure White, the best Large Yellow, the best Variegated. Each, 15c., any 2 for 25c., or THE SET, postpaid, for only 40 Cents.

Honeysuckles.

This good old standby is the cheapest, best, most satisfactory hardy climber in the list.

Japan Golden-Veined.—(*Aurea Reticulata*)—Foliage beautifully netted with clear yellow; flowers yellowish-white; fragrant.

China Twining.—Blooms at intervals through the summer and, retains its foliage late into the winter; flowers nearly white.

Baleana.—White, changing to yellow; very fragrant, and free flowering. *Hardy evergreen.*

Sweet-Scented Monthly.—Fine rapid growing variety; large trusses of very fragrant flowers; color, red and yellow; a constant bloomer.

Scarlet Trumpet.—A strong, rapid grower; blooms very freely the entire season; bright red trumpet-shaped flowers.

Upright Honeysuckle.—**Tartarian Alba.**—Forms a high bush, with compact white flowers; blooms in June and July.

HONEYSUCKLES. Each 15 cents; any 4 for 50 cents (Postpaid.)

Heliotropes.

Nothing can take the place of Heliotropes in a bouquet. Any rich, light soil will answer for them. They are suited equally well for pot culture and for borders.

Universally popular on account of their delightful fragrance.

Albert Deleaux.—Purple flowers, leaves finely variegated with golden yellow; quite striking.

Chameleon.—Bright blue, passing to pale lavender.

Snow Wreath.—The nearest to pure white, trusses very large, exquisite fragrance. **Florence Nightingale.**—Dark Lavender, fine.

Czar.—Dwarf. Dark, stiff stems and flowers of deep, intense violet.

Trailing Lantana.

A fine plant of graceful drooping habit, producing flowers at each leaf.

The fragrant flowers are a brilliant rosy lilac, and literally cover the whole plant. One of the best plants for hanging baskets. Trails or climbs as desired. Grown as single specimen in basket or pot it is very attractive; makes a useful flower plant for borders, etc. 15c. each; 2 for 25c.; 5 for 50c.; 10 for 80c., postpaid.

Hardy Double Sunflower.

Helianthus Multiflorus.—A "Golden Gem," and a great addition to our hardy Herbaceous plants. Its dark golden yellow color is both fashionable and beautiful for cut-flowers; planted singly or in clumps on the lawn gives a splendid effect, as it is one of the most hardy plants; once planted it is always there and grows more beautiful from year to year. 15c. each; 2 for 25c.; 4 for 40c.; doz., \$1.00.

Hardy Jasmines.

Yellow Jasmine (Nadiflorum).—Produces fragrant yellow flowers; hardy with protection in this latitude. 25 cents.

White Jasmine—Officinale.—Pure white, fragrant flowers. 25 cents.

Isris Kamferii.

(*Japan Iris*).—The *Fleur-de-Lis*, so popular in France. The flowers are of immense size, of the most beautiful and delicate shades of blue. Perfectly hardy; flowers in great profusion. A well-established plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing blooms. Thrives best if planted in moist soil; if this cannot be had, water freely while growing and flowering.

Mixed Double Japan.—10c.; 3 for 25c.; 6 for 40c.; doz., 75c., postpaid.

German Iris.

In bloom several weeks before the Japan; the flowers are smaller but equally as rich in color.

Best Mixed German.—8c. each; 6 for 35c.; doz., 65c., postpaid.

Lily of the Valley.

No garden is complete without a few clumps of these fragrant flowers, which are such universal favorites as to need no description. Clumps, each 25c.; 3 for 65c.; 5 for \$1.00, postpaid.

Lilies.

Lilies are favorites everywhere. Their culture is simple and with a little care, results are 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 abundantly with very rotten cow manure, adding a liberal mixture of sand. Set bulbs from 3 to 5 inches deep, according to size.

Auratum. (*Gold Banded*). This variety is, beyond question, the grandest of all the Lily family. Flowers pure white, thickly studded with crimson spots, while through center of each petal runs a clear golden line. The buds (6 to 20 on a stem) produced abundantly from June to October; possess most delicious fragrance; very hardy; best outdoor Lily grown. **First Size Bulbs.**—15c.; 3 for 40c.; doz., \$1.35. **Extra Size Bulbs.**—25c.; 3 for 65c.; doz., \$2.50. **Mammoth Bulbs.**—50c. each; 3 for \$1.20.

Album. (*Speciosum*). Pure white; very fragrant; free-flowering; hardy; best for general cultivation. **First Size Bulbs.**—15c.; 3 for 40c.; doz., \$1.35. **Extra Size Bulbs.**—25c.; 3 for 65c.; doz., \$2.50.

Rubrum. (*Crimson Banded*).—White; heavily spotted with rich crimson. **Choice Bulbs.**—15c.; 3 for 40c.; doz., \$1.35. **Extra Large Bulbs.**—25c.; 3 for 65c.; doz., \$2.50.

The three Lilies above should be in every garden.

Melpomene. Very large, rich blood-crimson, heavily spotted. **Choice Bulbs.**—20c.; 3 for 50c.; doz., \$1.90.

Wallacei.—Beautiful clear buff, spotted black. 15c. each; 3 for 40c.

Tennifolium.—Beautiful and perfectly hardy; blooms early in the season; color, lovely vermillion-scarlet; very handsome. The coral lily of Siberia, fine for cutting, and should be grown by the dozen. 25c. each; 3 for 60c.; doz., \$2.25.

Burbank's New Hardy Lily.

Very hardy. Very fragrant. Very vigorous. Very free flowering; multiplies very rapidly; single spikes of flowers 3 feet long bear upwards of 25 blossoms. Its color is a beautiful yellow with brown spots. It's the lily for the masses; the most beautiful, the most fragrant, the most beautiful; multiplies like potatoes, each bulb making 5 or 6 roots; does well from the very start and gets better each year. Each 45c.; 3 for \$1.25.

Funkia Alba.

(*Plantain Lily*).—A handsome, showy plant, with beautiful, large broad leaves. Flowers large, pure waxy-white; large trusses; very fragrant. 15c.; 4 for 60c.

Field Varieties.—Color, variegated green and white leaves and purple flowers. 15c.; 4 for 50c.

For Easter and other lilies that cannot be planted in spring, see Fall Bulb Catalogue, issued about August 1st. Sent Free on application.

Calla Lilies.

Sweet Scented Calla.—New, said to have "fragrance of violets and lilies, a profuse bloomer, with sweet, lasting fragrance, never before obtained in callas; foliage tinted; pure white flowers. Each, 25c.; 3 for 70c.

Spotted Calla.—Resembles White Calla, but is of smaller habit. Leaves a glossy deep green with numerous white spots. Ornamental, which, no bloom, is a valuable decorative plant when bedded out in summer. 15c.; 2 for 25c.; 5 for 50c.

Dwarf Calla.—"Little Gem"—Scarcely ever exceeds one foot in height; produces good-sized flowers in abundance. 15c.; 3 for 40c.

Black Calla.—(*Lily of the Holy Land*).—A most odd and curious plant, producing flowers of immense size; color, polished-black. Each, 15c.; 3 for 40c.

Little Gem Calla.

Hardy Water Lilies.

Are becoming more popular every year, as they are so easy to grow. The cultivation is very simple; the best soil for growing them is a rich, fibrous loam, with a liberal mixture of well-rotted manure; cow manure is very desirable. Rich soil from the bed of a pond or slough 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 six or eight 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 summer, remove the water and remove to a cool cellar, or keep from hard freezing, by covering with leaves.

Nymphaea Odorata. The well-known white Lily of our ponds and streams; very fragrant; golden-yellow center. 20c.; 3 for 50c.

N. ODORATA ROSEA.—The famous pink water Lily of Cape Cod. A very choice variety. 40c.; 3 for \$1.00.

N. ODORATA SUPERBA.—A large white variety, superior to N. odorata, having six rows of petals. 20c.; 6 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. 40c.; 3 for \$1.00; 7 for \$2.00.

N. ALBA CANDIDISSIMA.—Large white variety of Europe. Flowers large; free bloomer; one of the choicest varieties. 50c.; 3 for \$1.25.

N. GLADSTONE.—A beautiful glistening white Lily of great merit; size and substance of flower all that can be desired. Flowers earlier and larger than any other hardy variety. Greatly admired by all. 80c.; 2, \$1.50.

NELUMBIUM SPECIOSUM.—(*Egyptian or Sacred Lotus*).—A grand lotus; perfectly hardy, and one of the loveliest; the flowers when expanding are a beautiful rosy pink; when open, creamy white and pink; very fragrant. Should not be planted outside before the latter part of May. *Flowering tubers or plants.*—50c.; 3 for \$1.25.

WATER POPPY.—(*Limnorchis Humboldtii*).—Flowers a beautiful clear yellow; poppy-like; good for growing in shallow water or aquariums; very attractive. 15c. each; 5 for 50c.; doz., \$1.10.

ORANGE LILY.—(*Hemerocallis*—(*Kuanoo plena*)).—Flowers, orange-yellow; full double. 15c. each; 3 for 40c.

Lily Auratum.

MONTBRETIAS.

Montbretias. (*Crocasmiflora*)—A very desirable acquisition to our summer flowering plants. 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 six 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 of a rich orange and red color. Spikes from 20 to 30 inches high. They flower freely the first season and should be planted by hundreds. Bulbs, 3 for 10c.; doz., 25c.; 50 for \$1.00. 100 for \$1.75, postpaid.

Manettia Vine. A beautiful twining plant producing showy tubular flowers in great abundance the entire season. The color of the flowers is very striking; they are also covered with a moss, or hairy substance, that adds much to their beauty. As a pot plant to train on a trellis it is unrivaled; grown in this manner, it will bloom for several years; succeeds admirably in open ground. Grows 8 to 10 feet. A plant of rare beauty.
Bicolor—Flame color tipped yellow. 15c.; 4 for 50c.
Cordifolia—Distinct crimson variety. 15c.; 4 for 50c.
One of each variety for 25 cents.

MANETTIA VINE.

Matrimony Vine. *Lycium Chinese.*
A vigorous hardy climbing plant, with bright purple flowers, succeeded by brilliant scarlet berries, which ripen early and remain late on the vine; grows in any situation, either shade or sunlight, and in any soil. Plants—15c. each; doz., \$1.50.

Maderia Vine. The old favorite "Climbing Magnonette"—A rapid growing vine that succeeds in almost any soil; of easy cultivation; covers a large space in a very short time; leaves light green; bears a small, white, feathery, very fragrant flower. Roots—5c.; 6 for 25c.; doz., 40c.; 100 for \$2.50.

Hardy Moon Flower.
Ipomoea Pandurata, or *Day-Blooming Moon Flower*—Perfectly hardy, and increases in size each season. Thrives in any soil and produces luxuriant, compact foliage and quantities of beautiful flowers with a purple throat. 10c. each; 6 for 50c.

Mexicana—Large pink flowers. Not hardy, but having tuberous roots it can be wintered like Dahlias. Tubers—15c. each; 6 for 50c.

Moon Flower. (*Noctiflora*)—The well known *White Moon Flower*. A 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 ready about May 20. Each, 10c.; 6 for 50c.; doz., 90c.

Pansies. Favorites with every one, and too well known to need any description. The plants we offer are grown from Livingston's *Fancy Strain*, embracing largest size, best colors and finest forms from best foreign and home collections. **Strong Plants**, 5c. each; doz., 50c.; 100 for \$4.00.

PELARGONIUMS. **LADY WASHINGTON OR PANSY CERAMUMS.**
Grand old favorites and well-known to all our readers, but the new varieties are much in advance of the older kinds.

DOROTHY—One of the finest ruffled or fringed varieties; flowers large, rose salmon, dark maroon blotched on upper petal, richly shaded plum around the throat; flowers early in the season and is covered with bloom to the end of the season. 25c.; 3 for 60c.

CAPT RAIKES—Bright crimson, black velvet blotch. 20c.

MADAME THIBAUT—White, richly blotched and marbled with rose, immense trusses of large, fine flowers. 20c.

OXALIS. *Summer Flowering*
Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage about 1 foot high; they produce flowers in endless succession. **VERY CHEAP—TRY A HUNDRED OF EACH.**

Lasiandra—Fine rose pink.
Deiropa—Rosy white. Price—Each Sort—Doz., 10c.; 3 doz., 25c.; 100 for 50c.; postpaid.

Pæonies. (*Herbaceous*)—A very showy and most useful class of plants; exceedingly hardy, and will flourish in any section of the country, no matter how cold. They grow and flower well in almost any soil with very little care, but the flowers will be finer and the colors brighter if given rich soil and plenty manure. **Double White, Rose and Crimson**—25c. each; 6 for \$1.25.

Hardy Phlox. 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. Colors, represented in our choice collection are rose, carmine, red, purple, pure whites and salmon, with their distinct eyes. Each, 10c.; 3 distinct sorts, 25c.; 15 for \$1.00.

New Scarlet—"Ball of Fire"—A new variety of brilliant crimson color; very showy; in contrast with the white 15c.; 2 for 25c.
Jean d'Arc, **New**—A fine companion to the preceding, growing about same height, with large heads of pure white flowers. 10c. each; 3 for 25c.

PALMS. Indispensable for decorations. The following are the most satisfactory and best adapted for house culture.

THE KENTIA (*Belmoriana*)—The hardest palm in cultivation, and most satisfactory for house culture. A most graceful plant of slow growth, not affected by dust or dry atmosphere of our heated rooms.

COCOS WEDDELIANA—The most elegant of the smaller palms. Slender, erect stems, with graceful arching leaves of rich green. Admirable for fern dishes or use on the table.

LATANIA BORBONICA—The old well-known *Fan Palm*. Very hardy, of easy cultivation, and its large deeply divided fan-shaped leaves make an attractive ornament.

Prices, postpaid size—KENTIA, 35c.; COCOS, 25c.; LATANIA, 25c. By Express, each from 50c. to \$5.00, according to size.

VICTOR—Bright cherry-red, white markings at base of each petal, two upper petals heavily spotted with deep maroon; fine large flower. 20c.

MRS. ROBERT SANDFORD—Flowers large size, well doubled, beautifully ruffled and of glistening snow-white color. 20c.

MME. VIBERT—Fiery red; edged rose, dark velvet blotch. 20c.

The Last 5 Pelargoniums for 75 cts.

PÆONIES

LADY WASHINGTON OR PANSY CERAMUMS

New Double Golden Rudbeckia.

Wistaria.

Swainsonia.

New Double Golden Rudbeckia.

One of the most distinct and beautiful hardy perennials introduced for years. It will give you armfuls of large, very double golden yellow flowers, elegantly set off with their own foliage. 15c. each; 4 for 50c.; doz., \$1.25.

Climbing Ornamental Asparagus.

Sprengeri—Climbing in-door plants of rare beauty; nothing better for window gardening. Highly praised everywhere; handsomest seen 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 the year round. Flowers white, followed by red berries. A plant that will please. **Good young plants, 15c.; 4 for 50c.; doz., \$1.25; stronger plants, 25c.; 3 for 50c.**

Japan Snowball. Valuable hardy shrub: flowers as large as the old variety but much more numerous; often 20 balls on a branch. Growth upright and compact; foliage olive green; beautiful both in leaf and flower. **Each 25c. Larger plants, 40c.**

Salvia Splendens. Produces brilliant spikes of flowers, well above the foliage, the entire season, about 2 feet. 10c. each; doz., 80c.

Wm. Bednar—Best dwarf; free flowering; rich scarlet. 10c.; 8 for 25c.; doz., 80c.

Wistaria. Very popular, hardy, rapidly growing to 50 feet or more. It flowers in early spring and when in bloom is truly magnificent; flowers in masses, like bunches of grapes.

Sinensis, Blue—Soft lavender-blue; fragrant. Each, 25c.

Sinensis, White—Pure white. 35c.

Violets. We offer three sorts of this popular and exquisitely fragrant flower. Plants of each variety **Price, 10c.; 4 for 35c.; doz., \$1.00.**

Marie Louise—The favorite winter flowering variety; not hardy in the north; flowers rich purple, stems long, foliage rich dark green. **California**—Single flowers, largest of all single varieties; clear violet purple; very fragrant.

Hardy Violets—*Double English*—Perfectly hardy; deliciously fragrant, free flowering, color, deep violet; grows and blooms in any garden, free from disease; a good cemetery plant.

Verbenas. Our collection embraces many shades of the mammoth strain. **Plants, 10c. each; doz., 50c.; \$3.00 per 100.**

Vinca Major. A drooping plant for baskets and vases; has beautiful green leaves, edged with white. 10c. each; \$1.00 per doz.

Yucca. (Adam's Needle).—A tropical looking plant, with long, narrow leaves, that remain green the entire year; has strong flower stem, 3 or 4 feet high, bearing a large spike of creamy white, bell-shaped flowers that retain their beauty a long time; fine plant for cemetery, lawn, center plants, etc. **Good roots, 25c. Stronger roots, 35c.**

TUBEROSES.

One of the most delightfully fragrant and beautiful summer flowering bulbs. Its wax-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. If planted in 5 or 6-inch pots and sunk in the ground late in autumn they can be taken indoors for flowering.

Our **Tuberose Bulbs** are grown and cured with Greatest possible care, and our annual output is many thousands.

Double Dwarf Pearl Tuberose—Flowers large size and very double. **Extra Select Bulbs**—Postpaid, each, 4c.; 3 for 10c.; doz., 35c. By express, at buyer's expense—doz., 25c.; 50, 80c.; 100, \$1.50. **Variegated Leaves**—Leaves striped, flowers single; bloom earlier year after year. Each, 5c.; 6 for 25c.

Write for Special Prices on Larger Quantities of Tuberose. **Richland Co., O.** "The Tuberose I had from you last year were

FORTY BLOSSOMS.—W. P. Wilkins, fine; some of them had 40 blossoms."

Japan Snowball.

Yucca.

SMALL FRUITS

The past season was very unfavorable for the growth of good strong plants in many localities on account of long continued dry weather; good plants are, therefore, apt to be scarce at planting time the coming season.

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.

Price of Plants.

Prices quoted are net cash for spring delivery. No plants sent C. O. D. Not less than 6 of any one kind furnished at dozen rates, 50 at 100 rates or 500 at 1000 rates.

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, very rarely occur, and 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 impossible for any one to make a mistake, but if one does occur we are not to be held responsible for any damage 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.

Brandywine.

to make a mistake, but if one does occur we are not to be held responsible for any damage 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.

Strawberries.

Plant in March, April or May, on good ground deeply worked and well manured. Set in rows 3½ feet apart by 15 inches in the row for field culture, and 15 inches each way for garden.

Cultivate clean, mulch late in the fall, and uncover early in the spring. Remove mulch after fruiting and expose in a light, healthy of manure.

Varieties marked (P) have imperfect flowers; they will not produce well unless every fourth or fifth row is a perfect flowering variety. Those marked (S) are perfect flowering. When planted as above the imperfect (P) flowering sorts are the most prolific.

NICK OHMER.—A grand and beautiful berry; a success in all parts of the country; remarkable for healthy, luxuriant growth, great size and fine quality. Plant large and stocky; plenty of strong runners. Not surpassed in great productiveness by any variety. Fruit of largest size, dark glossy red, firm and of excellent flavor. *Postpaid*, doz., 30c; 100, 85c. By express, *(not paid)*, 100, 60c; 1000, \$4.00.

MARGARET. S. Second early, and continues late in bearing the finest fruit in great abundance; fruit conical; dark glossy red; flesh firm and of excellent flavor. A fine berry. *Postpaid*, doz., 25c; 100, 85c. By express, *(not paid)*, 100, 60c; 1000, \$4.00.

SAMPLE. P. A plant of very early fruiting, with healthy dark green foliage. Berries large, round or broad conical form and of a very dark rich crimson color; its firm flesh is dark, rich, and juicy and of splendid quality. The excellent plant qualities, its productiveness, fine form, handsome appearance and high quality of the fruit makes it one of the most promising of all new sorts. Highly recommended by Prof. W. J. Green and other Experiment Station experts. *Postpaid*, doz., 25c; 100, \$1.00. By express, *(not paid)*, 100, 80c; 1000, \$6.00.

Raspberries.

Plant in rows 3 feet apart, 50 plants at 100 rate; 6 at dozen rate.

MUNGER. (Black Cap)—Single specimens measure one inch in diameter. Berries highest market price; ranks among fancy fruits. Resembles Gregg, is better flavored, excels it in size, ripens 5 to 8 days later; extra fine for canning and evaporating; withstanding drought and hot sun. *Postpaid*, 10c each; 8 for 25c; doz., 40c; 100, \$2.50. By Express *(not paid)*, 100, \$2.00.

CUMBERLAND. "The Business Black Cap." This new berry sometimes measures an inch in diameter; uniformly very large; extremely hardy; immensely productive; fruit firm, quality the best, very black. *Postpaid*, 10c each; 4 for 25c; doz., 50c; 100, \$3.00. By Express *(not paid)*, 100, \$2.50.

COLUMBIAN. (Purple Cap) A remarkable berry indeed; large, large, deep purplish-red berries of high flavor; perfectly hardy; enormously productive; a grand berry for table and canning. *Postpaid*, 10c each; doz., 50c; 100, \$2.50. By Express *(not paid)*, 100, \$2.00.

GOLDEN QUEEN.—Handsomely golden-yellow berry; finest flavor; very productive. *Postpaid*, 10c each; doz., 40c; 100, \$1.50. By Express *(not paid)*, 100, \$1.00.

JAPANESE WINEBERRY.—Deep red, glossy, borne in large clusters; esteemed for canning, preserves, jellies, etc. *Postpaid*, 10c each; doz., 50c; 100, \$2.00. By Express *(not paid)*, 100, \$1.50.

MILLER RED.—Very early. Berries large and very firm. *Postpaid*, 10c each; doz., 40c; 100, \$1.50. By Express *(not paid)*, 100, \$1.00.

PRICES FOR LARGER QUANTITIES ON APPLICATION.

Blackberries.

Should be planted in rows 4 feet apart. 6 at dozen rate, 50 at 100 rate.

New White ICEBERG. As productive, hardy, abundant, handsome Blackberry, and delicious as the best black ones. The canes are loaded with delicious showy white berries, so transparent that the seeds may be seen in them. *Postpaid*, 10c each; 3 for 25c; 12 for 75c. By Express *(not paid)*, 100, \$3.00; 1000, \$15.00.

SNYDER.—An old favorite; hardy; more largely planted than any other, both for market and home use; no hard sour core; few thorns. *Postpaid*, 10c each; doz., 35c; 4 doz. for \$1.00; 100 for \$1.50. By Express *(not paid)*, 100, 90c; 500 for \$3.00; 1000 for \$6.00.

EARLY HARVEST.—Fruit black; productive.

ELBORADO.—Enormous yielder; jet black; large; large clusters.

OHMER.—The best late; large; ripens after Raspberries; firm; sweet.

DEWBERRY. LUCRELLA—Ripens early; large; very remarkable productiveness; berries 1½ inches long; 1 inch in diameter; sweet; luscious.

Price, except as noted—*Postpaid*, 10c each; 4 for 25c; 100, \$2.00. By Express *(not paid)*, 100, \$1.50. Special prices on larger lots.

Nick Ohmer

BRANDYWINE. S—Extra large, handsome, firm and solid, of superior quality, and one of the best canning sorts on account of its firmness and deep color. *Medium late*, and holds almost as late as Gandy.

EDGEWAVE. S—An ideal plant; large, stocky, healthy and vigorous; a good pollinizer, and remains in bloom a long time. Berry large, smooth, bright glossy crimson; quality as good as the best. *Midseason.*

WM. BELT. S—One of the best ever introduced. Extra large size, very productive, brilliant red; quality extra fine; good shipper. *Midseason.*

LOVELL. S—Fruit good size, bright red; firm; productive; valuable as a fertilizer for P kinds. *Early.*

GANDY. S—Standard late variety. Fruit large and handsome; very uniform in shape; firm; splendid shipper; vigorous and hardy. *Late.*

HAYLAND. P—A grand market berry; immensely productive; large, somewhat long and pointed, a standard market sort. *Early to late.*

CLYDE. S—Gives entire satisfaction in all parts of the country; perfectly healthy; berries keep up in size, are firm, and of uniform conical shape; a first-class fertilizer for Haverland. *Midium early.*

SPLENDID. S—This variety has come to stay. It produces an immense crop of good sized berries; uniform in size; excellent shipper; ripens mid-season; a wonderful producer; a good plant maker; stands the drought exceedingly well, and continues bearing a long time.

TENNESSEE PROLIFIC. S—Good quality; good pollinizer; large size; fruit good color; productive; ranks among the best.

BARTON'S ECLIPSE. P—Produces a fine crop of very large berries; bright scarlet; uniform size; of excellent quality.

STRAWBERRY PLANT PRICES. All varieties, (except otherwise noted), *postpaid*, dozen, 25c; 100, 80c. By Express *(not paid)*, 100, 60c; 1000, \$3.75. (50 at 100 rates, 500 at 1000 rates.) No Plants sent by Freight.

A Dish of Munger Raspberries.

EUREKA, LOTTA and GREGG. the three well-known Black Cap varieties; we quote at following prices: *Postpaid*, 10c each; doz., 40c; 100, \$2.00. By Express *(not paid)*, 100, \$1.50.

THE BEST SIX GRAPES.

MOORE'S DIAMOND.—Early; the best white grape in existence.

CONCORD.—Universally popular succeeds everywhere; purplish-black.

BRIGHTON.—Best red; very early; large bunches; rich as Delaware.

WATSON.—Early; very early; compact; light red; sweet; finest flavor.

WORDEN.—A very popular black grape; ripens earlier than Concord.

Prices *paid*, 1-year Vines, doz., \$1.00; 5 for \$7.75; 100 for \$5.00 (except Concord, 50, \$2.00; 100, \$3.75; 2-year Vines, \$5.00 per 100).

CAMPBELL'S EARLY. A Grape of special merit, with strong, mildew-resisting foliage, and abundant clusters of very large, compact and handsome black grapes; flesh rich and sweet; very early. **TRUE**

STOCK. Choice 1-year Vines, each, 50c; 2 for 90c; 5 for \$2.00.

2-year Vines, each, 75c; 2 for \$1.30; 5 for \$3.00.

CURRENTS and GOOSEBERRIES. See foot Page 104.

Fertilizers, Plant Foods, Etc.

As there is now very strong competition in Fertilizers, we prefer to make a Special Price to parties wanting it in TON OR CAR LOTS. Fertilizers F. O. B. Columbus.

GARDEN CITY SUPER-PHOSPHATE—Analysis: Ammonia, 2½ to 3½ per cent; Soluble Phosphoric Acid, 4 to 4½ per cent; Reverted Phosphoric Acid, 4 to 4½ per cent; Insoluble Phosphoric Acid, 4 to 4½ per cent; Actual Potash, 0.54 to 1.06 per cent. Stands without a rival as the largest crop producer at the smallest outlay. 5 lbs., 30c; 10 lb., 50c; 25 lb., \$1.00; 50 lb., \$1.50; 100 lb., \$2.50; bag of 200 lbs., \$3.50; 3 bags for \$10.00.

PURE GROUND BONE—Analysis: Ammonia, 3 to 4 per cent; Bone Phosphate, 40 to 50 per cent; Phosphoric Acid, 18 to 22 per cent. Every bag guaranteed pure bone and will act quicker than the *Fine Raw Bone*. 5 lbs., 30c; 10 lb., 50c; 25 lb., \$1.00; 50 lb., \$1.50; 100 lb., \$2.50; bag of 200 lbs., \$3.75; 3 bags for \$10.00.

POTATO CROWER—Analysis: Ammonia, 3 to 4 per cent; Available Phosphoric Acid, 7 to 9 per cent; Sulphate Potash, 4 to 5 per cent. The best value for the money of any special, and too much cannot be said for it; a thoroughly reliable stimulant for the potato crop. 5 lbs., 30c; 10 lb., 50c; 25 lb., \$1.00; 50 lb., \$1.50; 100 lb., \$2.50; bag of 200 lbs., \$3.75; 3 bags for \$10.00.

LAWN FERTILIZER—As offered in grass department.

NITRATE OF SODA—For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. As the market fluctuates, these prices are liable to change without notice. 25 lbs., \$1.25; 50 lb., \$2.25; 100 lb., \$4.25; 200 lb., \$8.00.

PARIS GREEN—For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. As the market fluctuates, these prices are liable to change without notice. 25 lbs., \$1.25; 50 lb., \$2.25; 100 lb., \$4.25; 200 lb., \$8.00.

PARIS GREEN—For early vegetable crops, especially where leaf growth is desired, it will produce wonderful results. As the market fluctuates, these prices are liable to change without notice. 25 lbs., \$1.25; 50 lb., \$2.25; 100 lb., \$4.25; 200 lb., \$8.00.

Write for Prices on Murate and Sulphate of Potash, "Kalini," etc.

CRUSHED OYSTER SHELLS—Manufactured from good, clean shells. All poultryman use it. 20 lbs., 30c; 100 lb., \$1.20; 200 lb., \$1.50.

COARSE GROUND BONE—About the size of wheat or cracked corn, and should be kept within access of poultry. 25 lbs., \$1.00; 100 lb., \$2.50; 200 lb., \$4.75.

MICA CRYSTAL CRIT—A nicely granulated rock for poultry, pigeons, ducks and geese. We consider it quite valuable to the poultryman. 25 lbs., 40c; 100 lb., \$1.00.

WALKER'S EXCEL-SIOR PLANT FOOD—Odorless and perfectly soluble food for house plants. A pound box sufficient for 25 ordinary sized plants for one year. 1 lb., 30c; 5 lb., 1.50; 10 lb., 3.00; 25 lb., 7.50; 50 lb., 15.00; 100 lb., 30.00; 200 lb., 60.00; 400 lb., 120.00; 800 lb., 240.00; 1600 lb., 480.00; 3200 lb., 960.00; 6400 lb., 1920.00; 12800 lb., 3840.00; 25600 lb., 7680.00; 51200 lb., 15360.00; 102400 lb., 30720.00; 204800 lb., 61440.00; 409600 lb., 122880.00; 819200 lb., 245760.00; 1638400 lb., 491520.00; 3276800 lb., 983040.00; 6553600 lb., 1966080.00; 13107200 lb., 3932160.00; 26214400 lb., 7864320.00; 52428800 lb., 15728640.00; 104857600 lb., 31457280.00; 209715200 lb., 62914560.00; 419430400 lb., 125829120.00; 838860800 lb., 251658240.00; 1677721600 lb., 503316480.00; 3355443200 lb., 1006632960.00; 6710886400 lb., 2013265920.00; 13421772800 lb., 4026531840.00; 26843545600 lb., 8053063680.00; 53687091200 lb., 16106127360.00; 107374182400 lb., 32212254720.00; 214748364800 lb., 64424509440.00; 429496729600 lb., 128849018880.00; 858993459200 lb., 257698037760.00; 1717986918400 lb., 515396075520.00; 3435973836800 lb., 1030792151040.00; 6871947673600 lb., 2061584302080.00; 13743895347200 lb., 4123168604160.00; 27487790694400 lb., 8246337208320.00; 54975581388800 lb., 16492674416640.00; 109951162777600 lb., 32985348833280.00; 219902325555200 lb., 65970697666560.00; 439804651110400 lb., 131941395333120.00; 879609302220800 lb., 263882790666240.00; 1759218604441600 lb., 527765581332480.00; 3518437208883200 lb., 1055531162664960.00; 7036874417766400 lb., 2111062325329920.00; 14073748835532800 lb., 4222124650659840.00; 28147497671065600 lb., 8444249301319680.00; 56294995342131200 lb., 16888498602639360.00; 112589990684262400 lb., 33776997205278720.00; 225179981368524800 lb., 67553994410557440.00; 450359962737049600 lb., 135107988821114880.00; 900719925474099200 lb., 270215977642229760.00; 1801439850948198400 lb., 540431955284459520.00; 3602879701896396800 lb., 1080863910568919040.00; 7205759403792793600 lb., 2161727821137838080.00; 14411518807585587200 lb., 4323455642275676160.00; 28823037615171174400 lb., 8646911284551352320.00; 57646075230342348800 lb., 17293822569102704640.00; 115292150460684697600 lb., 34587645138205409280.00; 230584300921369395200 lb., 69175290276410818560.00; 461168601842738790400 lb., 138350580552821637120.00; 922337203685477580800 lb., 276701161105643274240.00; 1844674407370955161600 lb., 553402322211286548480.00; 3689348814741910323200 lb., 1106804644422573096960.00; 7378697629483820646400 lb., 2213609288845146193920.00; 14757395258967641292800 lb., 4427218577690292387840.00; 29514790517935282585600 lb., 8854437155380584775680.00; 59029581035870565171200 lb., 17708874310761169551360.00; 118059162071741130342400 lb., 35417748621522339102720.00; 236118324143482260684800 lb., 70835497243044678205440.00; 472236648286964521369600 lb., 141670994486089356410880.00; 944473296573929042739200 lb., 283341988972178712821760.00; 1888946593147858085478400 lb., 566683977944357425643520.00; 3777893186295716170956800 lb., 1133367955888714851287040.00; 7555786372591432341913600 lb., 2266735911777429702574080.00; 15111572745182864683827200 lb., 4533471823554859405148160.00; 30223145490365729367654400 lb., 9066943647109718810296320.00; 60446290980731458735308800 lb., 18133887294219437620592640.00; 120892581961462917470617600 lb., 36267774588438875241185280.00; 241785163922925834941235200 lb., 72535549176877750482370560.00; 483570327845851669882470400 lb., 145071098353755500964741120.00; 967140655691703339764940800 lb., 290142196707511001929482240.00; 1934281311383406679529881600 lb., 580284393415022003858964480.00; 3868562622766813359059763200 lb., 1160568786830044007717928960.00; 7737125245533626718119526400 lb., 2321137573660088015435857920.00; 15474250491067253436239052800 lb., 4642275147320176030871715840.00; 30948500982134506872478105600 lb., 9284550294640352061743431680.00; 61897001964269013744956211200 lb., 18569100589280704123486863360.00; 123794003928538027489912422400 lb., 37138201178561408246973726720.00; 247588007857076054979824844800 lb., 74276402357122816493947453440.00; 495176015714152109959649689600 lb., 148552804714245632987894906880.00; 990352031428304219919299379200 lb., 297105609428491265975789813760.00; 1980704062856608439838598758400 lb., 594211218856982531951579627520.00; 3961408125713216879677197516800 lb., 1188422437713965063903159255040.00; 7922816251426433759354395033600 lb., 2376844875427930127806318510080.00; 15845632502852867518708790067200 lb., 4753689750855860255612637020160.00; 31691265005705735037417580134400 lb., 9507379501711720511225274040320.00; 63382530011411470074835160268800 lb., 19014759003423441022450548080640.00; 126765060022822940149670320537600 lb., 38029518006846882044901096161280.00; 253530120045645880299340641075200 lb., 76059036013693764089802192322560.00; 507060240091291760598681282150400 lb., 152118072027387528179604384645120.00; 1014120480182583521197362564300800 lb., 304236144054775056359208769290240.00; 2028240960365167042394725128601600 lb., 608472288109550112718417538580480.00; 4056481920730334084789450257203200 lb., 1216944576219100225436835077160960.00; 8112963841460668169578900514406400 lb., 2433889152438200450873670154321920.00; 16225927682921336339157801028812800 lb., 4867778304876400901747340308643840.00; 32451855365842672678315602057625600 lb., 9735556609752801803494680617287680.00; 64903710731685345356631204115251200 lb., 19471113219505603606989361234575360.00; 129807421463370690713262408230502400 lb., 38942226439011207213978722469150720.00; 259614842926741381426524816461004800 lb., 77884452878022414427957444938301440.00; 519229685853482762853049632922009600 lb., 155768905756044828855914889876602880.00; 1038459371706965525706099265844019200 lb., 311537811512089657711829779753205760.00; 2076918743413931051412198531688038400 lb., 623075623024179315423659559506411520.00; 4153837486827862102824397063376076800 lb., 1246151246048358630847319119012823040.00; 8307674973655724205648794126752153600 lb., 2492302492096717261694638238025646080.00; 16615349947311448411297588253504307200 lb., 4984604984193434523389276476051292160.00; 33230699894622896822595176507008614400 lb., 9969209968386869046778552952102584320.00; 66461399789245793645190353014017228800 lb., 19938419936773738093557105904205168640.00; 132922799578491587290380706028034457600 lb., 39876839873547476187114211808410337280.00; 265845599156983174580761412056068915200 lb., 79753679747094952374228423616820674560.00; 531691198313966349161522824112137830400 lb., 159507359494189904748456847233641349120.00; 1063382396627932698323045648224275660800 lb., 319014718988379809496913694467282698240.00; 2126764793255865396646091296448551321600 lb., 638029437976759618993827388934565396480.00; 4253529586511730793292182592897102643200 lb., 1276058875953519237987654777869130792960.00; 8507059173023461586584365185794205286400 lb., 2552117751907038475975309555738261585920.00; 17014118346046923173168730371588410572800 lb., 5104235503814076951950619111476523171840.00; 34028236692093846346337460743176821145600 lb., 10208471007628153903901238222953046343680.00; 68056473384187692692674921486353642291200 lb., 20416942015256307807802476445906092687360.00; 136112946768375385385349842972707284582400 lb., 40833884030512615615604952891812185374720.00; 272225893536750770770699685945414569164800 lb., 81667768061025231231209905783624370749440.00; 544451787073501541541399371890829138329600 lb., 163335336122050462462419811567248741498880.00; 1088903574147003083082798743781658276659200 lb., 326670672244100924924839623134497482997760.00; 2177807148294006166165597487563316553318400 lb., 653341344488201849849679246268994965995520.00; 4355614296588012332331194975126633106636800 lb., 1306682688976403699699358492537989931991040.00; 8711228593176024664662389950253266213273600 lb., 2613365377952807399398716985075979863982080.00; 17422457186352049329324779900506532426547200 lb., 5226730755905614798797433970151959727964160.00; 34844914372704098658649559801013064853094400 lb., 10453461511811229597594867940303919455928320.00; 69689828745408197317299119602026129706188800 lb., 20866923029522459475189735880607838911856640.00; 139379657490816394634598239204052259412377600 lb., 41733846059044918950379471761215677823713280.00; 278759314981632789269196478408104518824755200 lb., 83567692118089837900758943522431355647426560.00; 557518629963265578538392956816209037649510400 lb., 166635384236179675801517887044862711294853120.00; 1115037259926531157076785913632418075299020800 lb., 333270768472359351603035774089725422589706240.00; 2230074519853062314153571827264836150598041600 lb., 666035516944718703206071548179450845179412480.00; 4460149039706124628307143654529672301196083200 lb., 1332071033889437406412043096358901690358824960.00; 8920298079412249256614287309059344602392166400 lb., 2664142067778874812824086192717803380717649920.00; 17840596158824498513228574618118689204784332800 lb., 5336284135557749625648172385435606761435299840.00; 35681192317648997026457149236237378409568665600 lb., 10672468271115499251296344770871213522870599680.00; 71362384635297994052914298472474756819137331200 lb., 21344936542230998502592689541742427045741199360.00; 142724769270595988105828596944949513638274662400 lb., 42689873084461997005185379083484854091482398720.00; 285449538541191976211657193889899027276549324800 lb., 85379907708923994010370758166969708182964797440.00; 570899077082383952423314387779798054553098649600 lb., 170759815417846990020741516333939416365929594880.00; 1141798154164767904846628775559596109106197299200 lb., 341519630835693980041483032667878832731859189760.00; 2283596308329535809693257551119192218212394598400 lb., 682039261671387961982966065335757665463718379520.00; 4567192616659071619386515102238384436424789196800 lb., 1364478523342775923965932130671515330927436759040.00; 9134385233318143238773030204476768872849578393600 lb., 2728957046685551847931864261343030661854873518080.00; 18268770466636286477546060408953537745699156787200 lb., 5457914093371103695863728522686061323709747036160.00; 36537540933272572955092120817907075491398313574400 lb., 10915828186742207391617457045372122647419484072320.00; 73075081866445145910184241635814150982796627148800 lb., 21831656373484414783234914090744245294838968144640.00; 146150163732890291820368483271628301965593254297600 lb., 43663312746968829566469828181488490589677936289280.00; 292300327465780583640736966543256603931186508595200 lb., 87326625493937658132939656362976981179355872578560.00; 584600654931561167281473933086513207862373017190400 lb., 174653250987875316265879312725953962358711745157120.00; 1169201309863122334562947866173026415724746034380800 lb., 349306501975750632531758625451907924717423490314240.00; 2338402619726244669125895732346052831449492068761600 lb., 699612503951501265063517250903815849434846980628480.00; 4676805239452489338251791464692105662898984137523200 lb., 1399225007903002530127034501807631698869693961256960.00; 9353610478904978676503582929384211325797968275046400 lb., 2798450015806005060254069003615263397739387922513920.00; 18707220957809957353007165858768422651595936550092800 lb., 5586900131612010120508138007230526795478775845027840.00; 37414441915619914706014331717536845303191873100185600 lb., 11173800263224020241016276014461053590957551690055680.00; 74828883831239829412028663435073690606383746200371200 lb., 223476005264480404820325520289

Sprayers, Syringes, Florists' Supplies, &c.

THE CHASE BUCKET SPRAY PUMP.

CHASE BUCKET SPRAY PUMP. The Cylinder and all the working parts of the pump to bucket or tub when in operation; can be moved up or down to suit height of vessel; is much more substantial, and will stand greater pressure than the majority of Bucket Spray Pumps. Has a larger air chamber, which allows the pump to work easy and insures a steady stream. When used with patent Fog Nozzle and Agitator will insure you most effective and perfect work. 4 feet of 3-ply rubber hose. Price, \$3.00.

CHASE DOUBLE ACTING BARREL SPRAY PUMP. This Pump has $2\frac{1}{2}$ inch Brass Lined Cylinder, large air chamber, and is fitted up to stand heavy pressure.

No. 1—Has $2\frac{1}{2}$ feet Suction Pipe and Strainer.	\$5.75
No. 2—With one Hose, one Nozzle Agitator.	6.50
No. 3—Has two Hoses, two Nozzles, without Agitator.	7.75
No. 4—With two Hoses, two Nozzles, and Agitator.	8.50

Extension Pipe, 8 feet long, 40 cents extra. Regular length of hose with this Pump, when hose are ordered, is 4 feet each; when extra lengths are wanted add 8c. per foot.

GARFIELD KNAPSACK SPRAYER.

Made entirely of brass and copper. The tank holds 5 gallons, has brass pipe 1 $\frac{1}{2}$ inches long and Combination Vemorel Nozzle attached. Price, \$10.00.

VEMOREL SPRAY NOZZLE. (postpaid), \$1.25.

LEWIS' COMBINATION FORCE PUMP.

A Spraying Pump, Agricultural and Veterinary Syringe all combined. Works perfectly.

Only \$5.00.

GARFIELD KNAPSACK SPRAYER.

Chase Double Acting Barrel Spray Pump.

CHASE PATENT FOG NOZZLE.

We would be pleased to go into details in explaining the construction of this nozzle, but on account of its simplicity and thoroughly effective work, it is necessary to be seen and operated to be appreciated. A vast improvement over many of the so-called Spray Nozzles, which, really, are only sprinklers. The careful attention of fruit growers invited to this nozzle. Price, separate from Pump, 60 cents.

MYER'S BUCKET BRASS SPRAY PUMP.

With Agitator, complete with hose. Combination Fine and Coarse Spray and Solid Stream Nozzle. Constructed of brass, and is not affected by poisonous acentides, used for spraying. For spraying it is so arranged that it discharges a fine jet in bottom of the bucket to keep the solution thoroughly mixed. Price, complete, \$4.00.

FOG NOZZLE.

LEWIS' COMBINATION FORCE PUMP.

SYRINGES.

BRASS GREENHOUSE AND GARDEN SYRINGES. Useful for all horticultural purposes, and are fitted with Caps for Roses, for ejecting water in one stream or dispersing it in the most gentle manner, or with great force, when required.

Sent only by Express at expense of the purchaser.

One Stream and one Spray Nozzle—Letter A—\$1.85. Letter C—\$3.00.

Letter G (New Sample)—Open rose Syringe, barrel 16 inches long with $1\frac{1}{2}$ inches in diameter. One Spray and one Stream Rose, Side Attachment and fixed elbow joint. \$4.00

Letter H—Cheap: all brass, 18x1 $\frac{1}{2}$ ins.; strong, durable, fills quickly, discharges perfectly—\$2.00. Letter K—Size smaller, \$1.50.

ECLIPSE No. 1 AND 4.

Eclipse No. 1 is our very best; all brass, detachable discharge tube; rotary air motion; made on honor; will last a life-time. Each, \$1.00. By Mail, \$1.25.

ECLIPSE No. 4. All heavy tin, rotary air motion, wide area, funnel, stationary brass discharge tube; detail work same as No. 1. Each, 60c. By Mail, 85c.

GLASS RESERVOIR.

Double discharge tubes, same as Perfection No. 6, except that the reservoir is made of a Mason fruit jar. Will not corrode, and has the amount of advantage of allowing the operator to see at any time the amount of material in the reservoir. The very latest pattern. The Sprayer for everybody. Must go by Express. Each, only \$1.00.

PERFECTION No. 6. Heavy, tin air pump; galvanized iron reservoir holding one quart; double discharge tubes. "Built for business." Each 75c. By Mail, \$1.00.

POWDER BULB.

PUTTY BULB.

Rubber Sprinker

ANGLE RUBBER SPRINKLER.

ANGLE RUBBER SPRINKLER.

Almost all plant insects pursue their destructive work on the under surface of the leaf, and this Sprinkler is designed for applying water or liquid insecticide on the under side of leaves and foliage. By mail, \$1.10. By Express, \$1.00.

RUBBER SPRINKLER.—By Mail, 90c. By Express, 80c.

PUTTY BULB.—The best appliance for distributing putty. Used by a large number of leading florists, who have proven its merit. By Mail, 90c. By Express, 80c.

DRY POWDER BULB.—For applying any kind insect powder to plants, etc. Very useful for house plants. By Mail, \$1.10. By Express, \$1.00.

CHAMPION VEGETABLE WASHER.

Champion Vegetable Washer, for washing bunched vegetables; a very simple and effective invention; any child can operate it and wash from 250 to 350 bunches per hour if directions are followed. Those using this machine need not get a drop of water on their clothes or hands. Send for special circular. Price, \$7.50.

AT PRICES GIVEN TOOLS, ETC., MUST GO BY FREIGHT OR EXPRESS, AT BUYER'S EXPENSE, Unless Otherwise Noted.

BUSHEL BASKETS—Standard bushel size, strong and durable. Dozen, \$1.50; each, 20c. Must be paid by freight.

GARDEN LINES—100 feet Braided Linen, 40c.; Cotton, 25c.

FLOWER POTS. MUST GO BY FREIGHT.

STANDARD SIZE.	Per 100.	Per 1000.
2 1/2 in., doz.	\$ 10	\$ 45
2 in., " "	15	50
2 1/2 in., " "	15	50
3 in., " "	25	75
3 1/2 in., " "	30	90
3 1/2 in., " "	35	1 00
4 in., " "	45	1 75
5 in., " "	60	2 50
6 in., " "	75	3 50
8 in., " "	1 00	4 50
9 in., " "	1 25	8 00
10 in., each,	25	11 00
12 in., " "	50	22 50

LABELS. Painted Pot Labels. Best made. Put up in packages of 1,000 each.

3 inch.....per 1,000	45	5 inch.....per 1,000	80
3 1/2 "....." "	53	6 "....." "	1 00
4 "....." "	60	8 "....." "	2 50
4 1/2 "....." "	67	10 "....." "	3 50

VAN REYPER'S

PERFECT GLAZIER'S POINTS.

These are made of steel wire and galvanized, having double points and lap over the glass in such a manner as to positively keep it from sliding. They may be used on either side of the sash bar, thus preventing the annoyance of rights and lefts.

Per box of 1,000, 60c. Lots of 5,000 and over, per box, 55c. Pinchers for driving, 50c. If used by mail send 14c. per box of Points or per pair of Pinchers, extra for postage.

EUREKA FUMIGATORS. Made of Best Galvanized Iron.

For house 10x 20 feet.....\$1 25 For house 15x100 feet.....\$2 00
For house 12x 40 feet.....1 50 For house 20x100 feet.....3 50

PRUNING SHEARS. The Best Made.

Very strong. Best steel blades and an excellent spring.

Two Sizes—Price, 90c. and \$1.00.

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 socket and can be screwed to any length pole. \$1.

EAGLE PRUNING SHEARS—The well-known 2-handle shears. Light and powerful. The best made. No. 1—\$2.50. No. 2—\$2.25.

WATERS' TREE PRUNER.

4 foot.....\$ 75 5 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.

LANG'S WEEDER.

Each.....\$ 20

Dozen.....2 25

EXCelsior WEEDER—Very useful for weeding seed beds, stirring soil in hot beds, cold frames, etc. Postpaid, 15c.; by express, 10c.

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.

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 Clippers made on application.

RAFFIA. IMPORTED. BEST GRADE. Gives better satisfaction than any, anything else for tying Plants, Asparagus bunches, etc. Light, neat, strong, durable and very cheap. Lb., 25c.; 10 lbs. at 20c.

White Cotton Twine. For tying Herbs, Radishes, Beets, Celery, Onions, Salsify, etc. Pound, 25c.

JUTE. For tying Vegetables, etc. Pound, 20c. (Twine, Jute and Raffia sent by mail, add 15c. per pound postage.) Prices on twine subject to market changes.

Hazeltine's Hand Weeder.

In general use. Blade Solid Steel, tempered, 7/8-inch wide and 1/2-inch thick, sharpened on all edges.

Postpaid, 25 cents.

By express, 20 cents.

HAZELTINE'S HAND WEEDER.

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.

Cleaves' 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. Large size, 30c., postpaid, 40c.

HOES, SCUFFLE—5-inch., 55c.; 6-inch., 60c.; 7-inch., 65c. Handles, 15c. extra.

TURF EDGERS—For trimming edges of walks—75c.

GRASS HOOKS—30c.; by express only.

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.; by the piece, per yard, 10c. Medium Grade—best for general purposes—per yard, 10c.; by the piece, per yard, 8c. Light grade, per yard, 5c.; by the piece, per yard, 4c.

Mail Prices—Customers at a distance who wish to try a few yards can have it sent by mail, postpaid, as follows: Light, 8c. per yard; medium, 15c. per yard; heavy, 21c. per yard. Samples free on application.

HOT BED SASH. BEST CYPRESS—3 1/2 feet x 6 feet, glazed, for 8 x 10 glass, each, \$1.00, dozen, \$11.50.

SPECIAL SIZES TO ORDER.

THERMOMETERS—Hot bed or Mushroom, 75c.; Greenhouse, 25c.; Incubator, 75c. Cannot be mailed.

"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.

"OUT O' SIGHT" MOUSE TRAP—10c.; postpaid, 12c.

"OUT O' SIGHT" RAT TRAP—20c.; postpaid, 25c.

DEAN'S MOLE TRAP.

Easily adjusted and never fails to get the mole when properly placed. \$1.25.

HALE'S MOLE TRAP.

Well-known standard trap. \$2.00.

OUT O' SIGHT MOLE TRAP

We are using the above traps to our entire satisfaction.

Pruning, No. 2269, by mail, 85c.; by express, 80c.

PICKING SCISSORS—No. 133, by mail, 80c.; by express, 75c.

BROADCAST SEED SOWERS—LITTLE GIANT. Best made for sowing seeds. Timothy, etc. No. 1 (Little Giant), \$1.50. No. 3 (Crane), \$1.75. Must go by Freight or Express.

JOHN BROOKS, Franklin Co., Pa.: "The 'Out O' Sight' Mole Trap is all right. I have caught 9 moles."

J. T. MOTTER, Supt. Oak Hill Cemetery, Georgetown, D. C.: "The sample trap at hand and is, in truth, 'Out O' Sight.' Enclosed please find \$2.00 for two more of the same sort."

DEAN'S MOLE TRAP.

PLANET JR. TOOLS FOR 1900.

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 standard machines—different from all others. Great improvements have been made for 1900.

PLANET JR. No. 3 SEEDER.

Price, - \$11.00

Planet Jr. No. 3 Seeder. Planting in rows and thinning afterward 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. **Price, \$11.00.**

PLANET JR. No. 4 COMBINED DRILL AND SINGLE WHEEL HOE.

Price, Complete - \$12.00
As a Drill only, - \$8.50

Planet Jr. No. 4 Combined Drill and Single Wheel Hoe.

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. **Price, \$12.00.**

Planet Jr. No. 2 Seed Drill. Its beauty is its regular work and extreme simplicity—no agitators, no belts, no gearing. Sows seed at a uniform depth in a very narrow line, making easy and rapid work for the Wheel Hoe in cultivating. **\$7.75.**

PLANET JR. No. 11 DOUBLE WHEEL HOE.

Planet Jr. Double Wheel Hoe. This Wheel Hoe is a famous labor saver. It will do a variety of 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 WHEEL HOE, with 8 pairs of tools as shown in cut. **\$9.50.**
No. 12, with Plow, Hoes, wide and narrow Cultivator Teeth and Leaf Lifters. **\$7.25.**

No. 13, with Hoes only. **\$4.75.**

The Market Gardener without a **PLANET JR. TOOLS** has about the same chance of success as a weaver without power looms, or a broker without the telegraph. Hand tools, one-horse tools, two-horse tools, all are improved—better every year. Get the latest catalogue—1900.

No. 15 SINGLE WHEEL HOE.

A light, inexpensive and extremely efficient tool. Frame 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.

No. 15, with 12 Tools, as shown in cut, **\$7.25**

No. 16, with Plow, two Hoes, three Cultivator Teeth, two Rakes and Leaf Lifter. **\$8.00.**

No. 17, with Plow, two Hoes, and three Cultivator Teeth, **\$4.75.**

No. 18, with Hoes only, **\$3.50.**

Planet Jr. No. 8 Horse Hoe.

Price, \$10.00.

Without Depth Regulator, (order as No. 7) **\$9.25.**

Planet Jr. No. 8 Horse Hoe. 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 one of the Planet Jr. Horse Hoes.

Planet Jr. No. 9 Horse Hoe. Has bolted wheel in place of lever wheel and depth regulator. Otherwise same as No. 8. **Price, \$8.50.**

PLANET JR. HARROW AND CULTIVATOR.

Price—Plain, - \$6.50
" With Wheel, - 8.25
" Complete, - 10.00

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 dirt on the plants. Has Foot Lever Pulverizer. A capital Strawberry Cultivator, turning the runners without injury. Strawberry Runner Cutter Attachment, extra, **\$1.75.**

Planet Jr. No. 5 Hill and Drill Seeder. Holds 4 quarts. Wheel 16½ ins. high. Has new Force Feed. Easily and quickly changed from hill to drill work. **Price, \$14.00.**

PLANET JR. FERTILIZER AND PEA DRILL. \$14.00.

"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 chicken yards. **Price, \$25.00.**

LITTLE GIANT HARNESS RIVETER.

A MONEY SAVER. NEAT AND COMPACT. Weighs 20 ounces. Utilizes the hollow rivet and counter-sinks both heads so that any one can use it anywhere. Pays for itself every time it is used. Just the thing to have in the tool box of a self-hinder. Saves many a trip to town, besides a cash outlay. Repairs leather, rubber belting, etc. Useful in a thousand ways to farmers. Send for circular etc. Does its work as perfect as a \$50 machine, and (Postpaid, 70c.)

ACME SEED DRILL

JUST THE THING FOR SMALL
GARDENS AND FOR SOWING
IN HOT BEDS.

New, Practical, Simple, Durable. A child can use it. Sows regularly such seed as Beet, Cabbage, Carrot, Celery, Onion, Lettuce, Radish, etc. Saves seed and time and is cheap.

Price, 75c each, buyer paying charges, or delivered by us for only \$1.00.

**CURVED AND
CONCAVE SEED POTATO KNIFE.**

Everybody is well pleased with this knife. It is thin, and will cut one, two or three eyes in a piece easier, better than any other way. Give you are not satisfied that your potatoes with it, paid, 30c.; 6 for \$1 50.

return it and we will refund your money. Postpaid, 30c.; 6 for \$1.50.
 Please note in the Potato Department how this Knife
 may be had FREE.

ASPINWALL SPRAYER...

ASPINWALL
PARIS GREEN
SPRINKLER.

ASPINWALL
POTATO CUTTER.

Prices on above and other
Machines made known on
Application.

THE
BEST
BARROW
MADE.

SET UP
FOR USE

FOLDED FOR SHIPPING.

WHEELBARROWS.

These Barrows are made of thoroughly seasoned wood with double frames bolted together, iron braced, well painted and varnished. Will last for years. If desired dimensions will be made known on application. If you should want a larger one for leaves, grass or manure, write us for price. No. 2—\$3.50. No. 3—\$3.75. No. 4—\$4.00.

Aspinwall Potato Machinery.

We are Exclusive Agents for Central Ohio, and are prepared to **MAKE SPECIAL PRICES AND EASY TERMS.**

ASPINWALL POTATO PLANTER.

THE BEST
PLANTER
IN THE
WORLD.

**6 to 8 Acres Planted
per Day in one opera-
tion Absolutely Guar-
anteed. Plants Corn,
Beans, Ensilage, and
Distributes Fertilizer.**

**GREAT
LABOR
SAVER**

We have sold this Planter for 10 years and have never sold one but what the customer thought it one of the best investments ever made.

WITH DISC COVERERS. This machine is intended for growers who prefer to ridge up high and plant quite deep.

TABLES. SHOWING THE QUANTITY OF SEED USUALLY SOWN UPON AN ACRE.

LBS. PER BU.		LBS. PER BU.		LBS. PER BU.	
Beans, Dwarf, in drills	60	2 bus.	Grass, Kentucky Blue	14	2 to 3 bus.
Beans, Pole, in hills	60	10 to 12 qts.	Grass, Orchard	24	1½ to 2 bus.
Beets, Table, in drills	60	5 to 6 bush.	Grass, English Ryegrass	24	1 to 1½ bus.
Beet, Mangel, in drills	60	5 to 6 bus.	Grass, Red Top	14	2 bus.
Broom Corn, in hills	48	8 to 10 qts.	Grass, Timothy	45	1 peck.
Buckwheat	46	1 to 3 pecks.	Grass, Turgotian	45	1 peck.
Cabbage, bed, to transplant	4	1 lb.	Grass, Lawn	14	4 bus.
Carrot, in drills	60	4 lbs.	Melon, Musk, in hills	2 to 3 bus.	2 to 3 bus.
Clover, Red	60	12 to 15 lbs.	Melon, Water, in hills	32	2 to 3 bus.
Clover, White	60	12 to 15 lbs.	Onion, broadcast	40 to 60 lbs.	2 to 3 bus.
Clover, Alsike	60	10 lbs.	Onion, in drills	40 to 60 lbs.	2 to 3 bus.
Clover, Lucerne or Alfalfa	60	20 lbs.	Onions for Sets, in drills	40 to 60 lbs.	2 to 3 bus.
Corn, in hills	56	8 to 10 qts.	Onion Sets, in drills	8 to 12 bus.	2 to 3 bus.
Corn, for food, in hills	56	3 bus.	Parsnip, in drills	4 to 6 bus.	2 to 3 bus.
Cucumber, in hills	60	2 bus.	Peas, Round, in drills	60	2 to 3 bus.
					Peas, Wrinkled, in drills
					Peas, broadcast
					Potatoes, (cut tubers)
					Pumpkin, in hills
					Radish, in drills
					Rye, broadcast
					Salsify, in drills
					Spinach, in drills
					Squash, bush, in hills
					Squash, ruiling, in hills
					Sugar Cane
					Tomato, to transplant
					Turnip, broadcast
					Turnip, in drills
					250 feet of drill

NUMBER OF PLANTS OR TREES TO THE ACRE AT GIVEN DISTANCES.

[illegible]

BOOKS. FARM, VEGETABLES, FLOWERS, FRUITS, &c.

Sent Postpaid on Receipt of Price. 10 percent Discount allowed on 3 or more Books.

KEEP YOURSELF UP TO DATE. READ THE LATEST BOOKS OF PRACTICAL MEN AND SPECIALISTS.

We can furnish any Book, Magazine or Paper on Gardening, Agriculture, Horticulture or Stock at Publisher's Prices.

Allen's New American Farm Book	\$2 50
Art of Propagation. Treats of Trees and Plants	30
Asparagus Culture. BARNES & ROBINSON. Cloth	50
Barry's Fruit Garden	2 00
Biggle's Best Book. Up-to-date	25
Book-keeping for Farmers	25
Bulbs and Tuberous Rooted Plants. By C. L. ALLEN. Cloth	2 00
Brill's Farm Gardening and Seed Growing. New Edition.	1 00
Broom Corn and Brooms. Illustrated. Cloth	50
Caring for Profits. By G. L. QUINN	1 50
Carnation Culture. By LAMBORN	1 50
Canning and Preserving Fruits and Vegetables	20
Cauliflower. How to Grow	40
CELERY BOOK, Livingston's. Cloth, 50c.	50
Celery Growing and Marketing a Success	50
CUT FLOWERS. How to Grow	2 00
Chrysanthemum Culture. Cloth, \$1.00	50
Cow Book, Biggle's. All about Cows	50
Dairying for Profit, or The Poor Man's Cow	50
Every Woman Her Own Gardener	1 00
Farm Appliances. Illustrated. Very valuable	1 00
Farming with Green Manures	1 00
Farm Drainage, French. Cloth	1 50
Farmer's Book of Grasses. Cloth, 35c.	25
Farming for Profit. REED. Illustrated. Cloth	3 00
Ferns and Ferneries	30
Flowers, and How to Grow Them. By E. E. REXFORD. Cloth, 50c	35
Fertilizers. A New Edition.	40
Fertilizer Farming	20
Fruit Grower's Hand Book	1 00
Fruits and Fruit Trees of America. By DOWNING	5 00
Fuller's Small Fruit Cultivator	1 50
Fuller's Grape Cultivator. Cloth	1 50
Grasses of North America. 175 Pages, 175 Illustrations. Bound	1 25
Gardening for Old and Young	1 25
Gardening for Pleasure. HENDERSON	2 00
Gardening for Profit. HENDERSON	1 50
Greenhouse Construction. PAPER	1 50
Greenhouse Management. TAFT	1 50
Hand Book of Plants. HENDERSON	4 00
Home Floriculture. By E. E. REXFORD. New and Valuable	1 50
Horticulturist's Rupee Book. BAILEY. Cloth	75
House Book. Biggle's	2 00
How to Destroy Insects on Flowers and House Plants	1 25
Insects and Insecticides. By C. M. WOOD	1 25
Irrigation Farming. WILCOX. A New Book. Cloth	30
Manures and Carries. Treatise. By H. B. WOOD	25
Manures, Methods of Making. By BOOMER. Paper	25
Manures, Talks on. By JOSEPH HARRIS. Cloth	1 75
Money in the Garden. By P. T. QUINN. A Practical Work	1 50
Mushroom Culture. Robinson's Pages, 120. Cloth	1 50
Mushrooms, How to Grow. FALCONER	1 50
Nursery Book. By BAILEY	1 00
Onions, Treatise on. GREGORY	50
Onions—The New Culture. By	50
Onions—By Success. GROWING	20
PETS OF THE HOUSEHOLD. By T. M. EARL. Their Care in Health and Disease. Published by ourselves.	85
Peanut Plant, Its Cultivation and Uses. Paper	50
Potatoes, A B C. By T. B. TERRY	40
Potato Culture. The New. By E. S. CARMAN. Cloth, 75c. Paper	50
Poultry Book, Biggle's. All about Poultry	50
Poultry for Pleasure and Profit. By JOHNSON	50
Practical Farm Chemistry. By GREENER. Cloth, \$1.	50
Practical Floriculture, Henderson's	1 50
Pruning Book. By PROF. BAILEY. (1897)	1 50
Rhubarb Culture. THOMPSON. Cloth, \$1.00.	50
RUSE, THE. By EWANGSON	1 25
Spraying Plants. By LOMBARD	1 00
Squashes. By GREGORY	30
Swine Book, Biggle. All about Pigs	50
Sweet Potato Culture. By JAMES FITZ.	50
SWEET POTATOS	25
Strawberry Cultivator. By FULLER	25
Silos, Ensilage and Silage	50
Steward's Irrigation	1 50
Successful Farming in the South	1 25
The Business Hen. Breeding and Feeding Poultry for Profit	1 25
Vegetable Gardening. A New Book. By PROF. A. B. GREEN	1 25
Vegetable Growing in the South. ROLF'S. Cloth, \$1.25. Paper	1 00
Window Flower Garden, Heinrich's. Cloth	65

THE BIGGLE BOOKS.

No farm or rural home is complete without Judge Biggle's Books, offered above, and no one interested in these subjects can afford to be without them another day. The books have won praises on every hand. The boldest common sense (no skim-milk) method, has been carried out in their preparation.

For mechanical effect no expense or pains has been spared, and the highly finished paper, the beautiful illustrations, the excellent type and the work, and the beautiful illustrations, make them models of the printer's art. Berries, Poultry, Cow, Horse, Swine. Each, postpaid, 50 cents; 3 for \$1.35. Set of 5 for \$2.00.

HOW TO GROW MUSHROOMS.

A reprint of prize article which have appeared in American Gardening, forming a very practical treatise on the subject. Contains chapters on Raising Mushrooms in the ordinary cellar and on their nutritive value. Price, 10 cents.

FORCING BOOK. 266 Pages. 68 Illustrations.

A Manual of the Cultivation of Vegetables Under glass for market. Most complete work of its kind yet published in this country. Based on a long familiarity with the forcing business. Contains full estimates of the cost of heating forcing-houses and of the labor necessary to run them, with illustrated chapters on their construction and management. Very complete directions are given for watering, ventilating, shading and piping bonnets, for the control of insects and fungous diseases, the making of forcing-houses, soils, etc.; detailed instructions how to force Lettuce, Cauliflower, Radish, Asparagus, Rhubarb, Pea, Salad Plants and Mint, Root Crops, Peppino, Cucumber, Muskmelon, Pepper, Beans, Egg Plant and other, and the management of each crop. Should be in the hands of every person who grows under glass. Postpaid, \$1.00.

GARDEN MAKING.

The beginner is shown how easy it is to raise Flowers, Fruits and Vegetables, and to beautify one's home grounds, if one starts right and has a love for plants. It is thoroughly practical in every detail, and a guide to daily practice for the gardener who has no equal in horticultural literature. *Profusely illustrated.* Postpaid, \$1 each copy. Should be in the hands of every person who grows under glass.

SUCCESS WITH HOUSE PLANTS

This book is written by a woman for women, and should be in every home. Contains full directions for care of plants in the home. \$1.00.

THE YOUNG MARKET GARDENER. By T. GREINER.

Full of information of utmost value, not only to the beginner but to experienced gardeners as well. We know of no book so valuable to one who has had little previous experience in gardening. 50 cents.

COMMERCIAL VIOLET CULTURE.

This, the first practical work on the subject, gives every detail of culture and all other information necessary to the successful raising of that most fragrant and profitable flower. The Violet, such as construction of houses and frames; heating; soils; manures; propagation, selection, planting, watering; picking and marketing; cost of producing the crop, profits, etc. 224 pages. Price, \$1.50.

LANDSCAPE GARDENING AS APPLIED TO HOME DECORATION.

By SAMUEL T. MAYNARD. 338 pages. Contains chapters on Landscape Gardening and Home Ornamentation. Preparation of the Land. Trees—Their Planting and Care. Shrubs, Hedges and Hardy Climbers. Walks and Drives. Renovating and Improving Old Homes. Country Roads and Roadside Improvements. Parks, Public Places and Cemeteries. Design of Trees. Ornamental Shrubs. Tender bedding and climbing plants, Etc., Insects. The Home Fruit Garden. Price, \$1.50.

BEST METHODS OF HEATING GREENHOUSES.

Being a collection of thirteen leading essays, selected from a large number submitted in competition. Each essay is accompanied by diagrams illustrating the system advocated. Price, 10 cents.

THE HOP. Its Culture and Cure. Marketing and Manufacture.

A practical treatise on the hop, from the first stages of growing. Harvesting, Curing and Selling Hops, and on the Use and Manufacture of Hops. (By HERBERT MYRICK.) Bound in Cloth and Gold, \$1.50.

LIVINGSTON'S CELERY BOOK. 100 Pages. Illustrated.

Written expressly for us by Mr. E. J. HOLISTER, who has been the most extensive producer of Celery in the United States for the past 20 years. He has grown extensive crops in Canada, Michigan, Ohio and Florida. The work is fully up to date on all essential points and is A COMPLETE GUIDE FOR THE CELERY GROWER. Paper Cover, 40 cents. Cloth Bound, 60 cents.

How this Book can be Obtained FREE. See page 29 of this Catalogue.

College of Agriculture, Cornell University. I accept my thanks for the interest you have shown in my study and I know Mr. Holister, and know him to be a practical man."—L. H. BAILEY.

HOW TO GROW CHRYSANTHEMUMS.

A practical compilation of matter contributed by many of the leading experts of the day. By far the best work on this subject ever written. Contains cultural instructions for each month in the year; also chapters on Training, Cutting, Propagating, Fertilizing and Manures, etc., etc. 82 pages, well illustrated. Price, 50 cents.

CELERY GROWING AND MARKETING A SUCCESS.

Handsomely bound in cloth, and fully illustrated. Published by one of the largest and best growers of high-grade celery in Michigan. 50 cents, postpaid, or it will be sent FREE, on request, to anyone purchasing \$5.00 worth of Seed at prices quoted in this catalogue, or a \$1.00 order for Celery Seed FREE.

PRINCIPLES OF FRUIT GROWING.

A complete treatise on fruit growing in general, comprising the inventory of fruits, the location, tilling and fertilizing of fruit lands. Diseases of fruit trees, insects and spraying. Harvesting and marketing of fruits. Packing and storage houses. By L. H. BAILEY. 508 pages. 12 mo. Illustrated. Cloth. Price, \$1.25.

PRACTICAL POULTRY CULTURE.

A practical book for poultry growers who would raise poultry for profit. Contains full directions on the proper management of poultry and packing, etc. Price, 35 cents.

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, planting and marketing of the product, the proper propagation of the plant, 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. 35 cents.

See Page 9 for Description and Price of Livingston's Early Golden Surprise Field Corn.

Descriptions of the Flowers shown on the Back Cover Page.

New *Salvia Splendens*.

"SILVERSPOT."

(See Back Page of Cover.)

The most distinctive feature of this grand New *Salvia* is its strikingly handsome spotted foliage. Leaves are rich, soft, dark-green, with light yellowish, or cream-colored spots of various sizes liberally sprinkled over them. The unique and elegant foliage is very abundant, has extremely fresh, healthy appearance. The intense bright flowers are very large, the plants of neat, compact habit, as floriferous as ordinary sorts. In three years' trials we found that 85 per cent. came true from seed.

In Packets Only this Season. 25 Cents.

NAVY BLUE

The New "Navy Blue" Sweet Pea.

The Only "True Blue" Sweet Pea. The Sensational Novelty of 1899.
(See Last Page of Cover.)

No sweet Pea ever introduced—at least of fall varieties—has created such a sensation as the "Navy Blue." Thousands of packets were sold last spring at the rate of twelve seeds for twenty-five cents, and all planters, so far as heard from, unite in pronouncing it an ENTIRELY NEW COLOR IN SWEET PEAS, and of unusually rich beauty.

An entirely distinct COLOR (not tint) from any existing variety of Sweet Pea. General color effect DARK BLUE; STANDARDS ROYAL PURPLE; WINGS PURE VIOLET; the whole flower elegantly veined in sharp relief. Most vigorous grower. Blooms of approved form, generous sized, parchment-like texture, and remarkable substance. Stems usually bear three flowers, occasionally four. When they begin to fade they assume an antique silver-gray cast, but maintain a stately mien up to the moment the petals fall.

Pkt., 10c.; oz., 25c.; ¼ lb., 80c.; lb., \$3.00.

SALVIA SPLENDENS, "SILVERSPOT."

New Aster, "Daybreak."

(See Back Page of Cover.)

The "Daybreak" Aster, introduced two years ago, is one of the most beautiful of the aster family. The plants in bloom are charming. For florists' use it is unsurpassed, as it commands the highest price in the market. Flowers are round as a ball, very large and very early. Color a beautiful sea-shell pink, resembling the Daybreak Carnation. Branching in habit, with long stem. Pkt., 10c.

New Aster, "Purity."

A Sister of "Daybreak."

identical with "Daybreak," excepting in color. The flowers of the New Purity Aster are large, pure white, and without doubt the finest early flowering white aster. Genuine seed is very scarce this season, and is sold only in packet. 20c. each.

Mr. Thompson, an expert Aster Grower, of this city, who gives all new asters a thorough trial as fast as introduced, pronounces "Purity" the best white up to date. Also he has the same opinion of "Daybreak" as a leader in pink sorts.

Our Seed Annual Free. We are pleased to send our "Seed Annual" to all interested in the growth of vegetables, flowers, farm crops, etc., whether customers or not. You will therefore accept it with our compliments. If this seed catalogue is of no use to you, please hand to some friend interested in gardening, thus conferring a double favor.

A Favor Requested. If you have friends or acquaintances likely to need high-grade "True Blue Seeds" we will consider it a personal favor if you will send us their name and address, and we will send them a copy of our 1900 "Seed Annual," beautifully illustrated. *Postage paid free.* For which accept our thanks in advance.

Respectfully Yours,
THE LIVINGSTON SEED CO.

FORMERLY A. W. LIVINGSTON'S SONS.

Photo of the New "Daybreak" Aster.

Currants. The plants of this fruit should be set 4 feet apart in good rich soil. Cultivate well.

Prices of ANY VARIETY—One-Year Plants, 10c. each; 3 for 20c.; doz., 75c.; 50 for \$2.25, *postpaid*. By Express—25 for \$1.00; 50 for \$1.75; 100 for \$3.00. Two-Year Plants—25 for \$1.25; 50 for \$2.25; 100 for \$4.00. Two-year plants must go by express.

VERSAILES—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 flavor.

NORTH STAR—Very hardy; early; abundant fruiter; strong grower.

RED DUTCH—Profuse bearer; very strong grower.

We can supply Choice Cuttings (5 to 7 ins.) of North Star, Red Dutch Victoria. *Postpaid*, 5c. each; 10 for 30c.; 50 for 75c.; 100 for \$1.00. By Express (not paid), 100 for 50c.; 500 for \$1.50; 1000, \$2.50.

Gooseberries. Plant in good rich soil in rows 5 feet apart by 3 feet in the row.

RED JACKET—Purely American. Thrifty grower, free from mildew, very hardy and productive; large, ribby-red berries, smooth and fine. *Postpaid*, 20c. each; doz., \$2.00; 100 for \$10.00.

DOWNING—Most popular American variety. Enormously productive; large, pale green, splendid quality. *Postpaid*, 10c.; 3 for 25c.; doz., 85c. We can furnish first-class **DOWNING** Cuttings, (5 to 7 ins.) *postpaid*, at 5c. each; 10 for 30c.; 50 for 75c.; 100 for \$1.00. By Express (not paid), 100 for 50c.; 1000 for \$3.00. Prices for larger lots on application.

Remember. An order sent us in 1900, no matter how small, secures our NEW SEED ANNUAL for 1901, which will be mailed to you as soon as issued.

Please Write Your Address Plainly

Please be careful to tear out the Order Blank on the perforated line.
AND IN FULL in the blanks below; also keep your order separate from other matters you may wish to write about.
This enables us to fill orders more rapidly and correctly, and your inquiries will not be so apt to be overlooked.
FOR FULL INSTRUCTIONS ABOUT ORDERING, ETC., SEE DIRECTIONS IN THE ANNUAL.

OUR NEW TOMATO FOR 1900.
"LIVINGSTON'S MAGNUS,"

SOMETHING GREAT.

Every order should include this new and grand
Tomato. Packet, 20c.; 3 for 50c.; 7 for \$1.00.

The Livingston Seed Company.

Formerly *A. W. Livingston's Sons*, Change in
Name only

COLUMBUS, OHIO, U. S. A.

In accordance with the terms of your Annual for the present year, forward to

Name.....

Post-Office.....

County.....

State..... P. O. Box.....

No. ....
Rec'd .....
Filled .....
Shipped .....
Amount Enclosed.
Money Order, - \$ .....
N. Y. Draft, - .....
Stamps, - - .....
Cash, - .....
1900

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..... 1900

EXTRA ORDER BLANKS AND RETURN ENVELOPES sent on application.
Do you Grow for Market or Home Use, or both? .....

Bushels Quarts Pints Pounds, Ounces Packets

NAMES OF SEEDS, PLANTS, ETC., WANTED.

PRICE
DOLLARS CENTS

All orders for potatoes, plants
and other perishable goods are care-
fully booked on receipt and filled in
rotation as soon as weather permits. If
shipped earlier they are at buyer's risk

"TRUE BLUE." "THE BEST OF EVERYTHING AND EVERYTHING THE BEST."
"QUALITY IS REMEMBERED LONG AFTER THE PRICE IS FORGOTTEN."

LIVINGSTON'S
"EARLY GOLDEN SURPRIZE" FIELD CORN.
GRAIN COB SURPRISINGLY DEEP SMALL

68 LBS. CORN IN EAR,
SHELLS 60 TO 62 LBS.

ONLY 6 TO 8 LBS. OF COB
TO THE BUSHEL.

NEW
SALVIA
SPLENDENS
"SILVERSPOT"
PKT. 25¢

"NAVY BLUE"
A GRAND NEW SWEET PEA OF TRUE BLUE COLOR
PKT. 10¢

DAYBREAK
ASTER

PURITY
ASTERS.

WE SEND ONE PACKET EACH OF THE ABOVE FOR 50¢ POSTPAID.
THE LIVINGSTON SEED CO., COLUMBUS, OHIO.

TWO GRAND NEW ASTERS.
DAYBREAK, A FINE PINK. PKT. 10¢
PURITY, PURE WHITE. PKT. 20¢