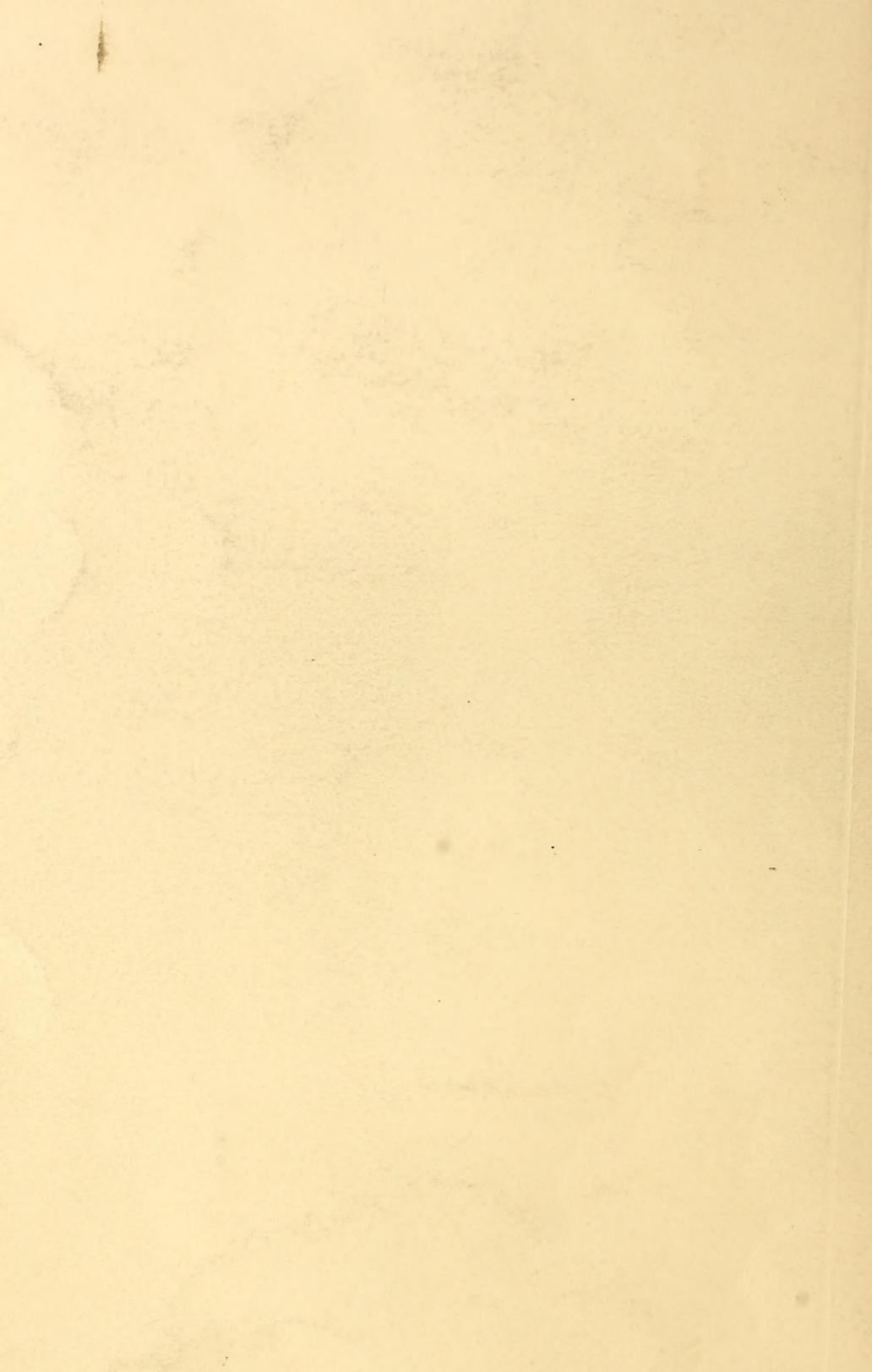


## Historic, archived document

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



11<sup>TH</sup> Annual SEED CATALOGUE. 1898.

MAR 12 1898  
BOTANY  
LABORATORY



"SURE TO GROW" SEEDS



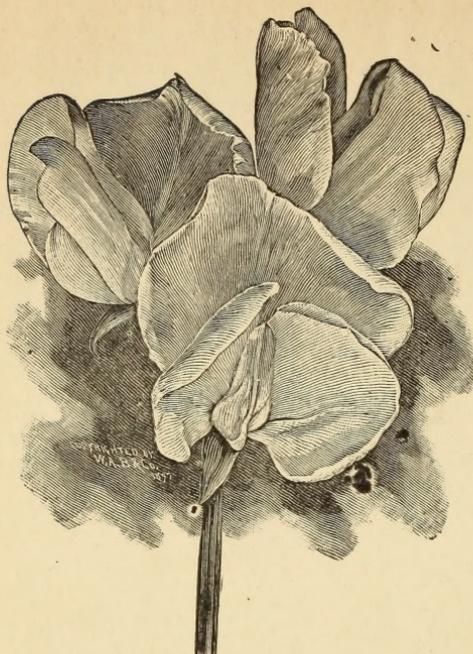
LIVINGSTON'S SEED STORE LOCUST ST. DES MOINES, IOWA. 708 & 710

# NOVELTIES IN SWEET PEAS.

## NEW PINK CUPID

Finest of the New Sweet Peas for 1898.

Another Dwarf Variety same as White Cupid, except in color.



NEW PINK CUPID.

Though flowering early, it continues in bloom very late, bearing a profusion of blossoms so thickly as to completely hide the plant itself. It will be without a rival as a bedding and border annual, for its color and fragrance make it a rare novelty.

No novelty of recent introduction has such brightness, beauty, and grace combined as **PINK CUPID**. It is also delightfully fragrant, and will be admired by every one who sees it. Sold only in packets this season. Pkt., 15c.; 2 for 25c.

The standard of the flower is wide, not infrequently measuring an inch and a half, but not over an inch high, being developed latterly. It usually curves over a trifle from the top, partly concave, which gives the standard a distinct shell-shaped appearance. The standard is a bright rose-pink, while the wings are pure white or light pink. The wings are very large and finely formed; when pressed back against the standard they extend fully a quarter of an inch beyond it.

The substance of the blossom is peculiarly heavy and it will appear fresh and vigorous in a glass of water long after its long-stemmed parent has withered and died. The plant itself is vigorous and hardy, and those who had poor or indifferent success with White Cupid will find **PINK CUPID easy to grow anywhere**. The seed which is *black* is of wonderfully strong germination, and the plant is an early bloomer, coming into bloom simultaneously with White Cupid.

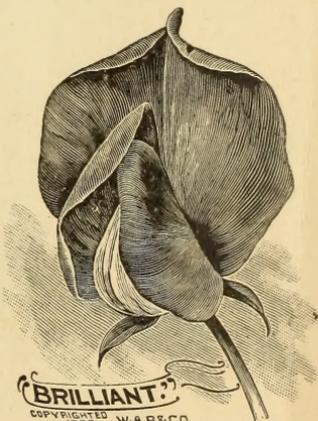
## SCARLET SWEET PEA—"BRILLIANT."

This supplies the need for a bright Scarlet Sweet Pea of improved form. The flowers are of good substance; medium to large in size; the broad standard is inclined to hood, while the wings are well spread. The color is of rich, bright *crimson-scarlet*. The wings nearly equal the standard in richness of color. The flowers are borne three on a stem. A most important point is that the flowers retain their full brilliancy of color under the hottest sun—*never becoming marbled or burned*. Pkt., 10c.; oz., 20c.

### "AURORA."

Flowers of fine substance, full expanded

form, *gigantic in size*. Flowers are borne three or four on a stem; stems extra long and strong. Vines vigorous in growth and bloom most profusely. Color effect is gorgeous; both standard and wings are flaked and striped on a white ground, with *bright orange-salmon*.

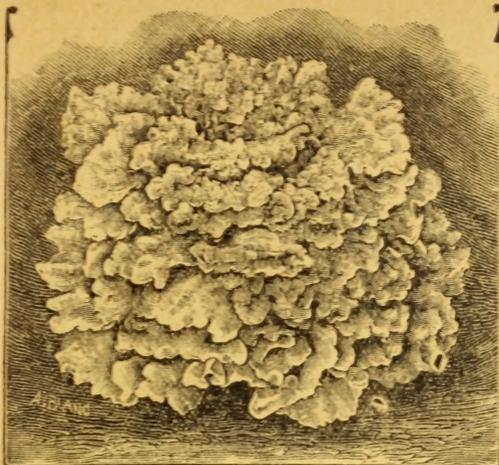


**"BRILLIANT."**  
COPYRIGHTED 1898 W.A.B.&CO.

Pkt., 10c.; oz., 20c.

One packet each of above three grand NEW Sweet Peas only 25c. Other choice varieties on page 39.

# JOSIAH LIVINGSTON, Seedsman, Des Moines, Iowa:



**LIVINGSTON'S BON TON LETTUCE.**

Early; long standing; crisp. Pkt., 10c.

FORWARD TO

Name -----

WRITE VERY PLAIN.

Post Office -----

County -----

State ----- P. O. Box -----

Express Company -----

Railroad -----

Date of this order ----- 1898.

Order freely; A GOOD GARDEN IS HALF YOUR LIVING. The flowers should have a place, too. Extra Order Sheets and Envelopes. Do you grow vegetables TO SELL?

Keep order distinct from letter, using one line for each item.

Bu.	Qts.	Pts.	Lbs.	Oz.	Pkts.
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ARTICLES WANTED

Dol'rs	Cents
--------	-------

Bu. Qts. Pts. Lbs. Oz. Pkts.

ARTICLES WANTED

Dol'rs Cents

If you will kindly write below the names and post office address of a few of your nearest neighbors, especially gardeners, who are accustomed to sending off for Seeds and send in with your order, I will be pleased, as some little remuneration for your trouble, to include an extra package of Seeds if order is sent in before March 15, 1898. Please tell them you sent me their names, so they will know how I came to send the Catalogue.

NAME

POST OFFICE

STATE

A GOOD WORD for Livingston's Seeds will prove a double kindness—to your friend, and to me.

# LIVINGSTON'S CATALOGUE . . .

## OF ALL THAT IS BEST

Garden, Field and Flower Seeds, Bulbs, Tools, Etc.

JOSIAH LIVINGSTON,

708 and 710 Locust St.

DES MOINES, IOWA.

Please read the following. It may save time and annoyance.

**Order Early**—It is best to order as soon as possible after receiving the Catalogue. It gives us a better chance to care for the order carefully, and then you will have the seeds on hand, ready to sow at once when needed. This quite often means a saving of valuable time, and dollars in your pocket if you grow for market. The "early bird catches the worm," you know.

**Order Freely**—Most seeds are as good the second season, so that, should you have a few left over it does not matter. It's a great annoyance to run out of seeds just when you need them most. No part of the farm turns off more real value than the garden; so don't stint yourself, especially on **Garden Seeds**.

**Shipping Instructions**—Please write your name and address very plainly, and use the same one each time if possible. Tell us the Express Company, also railroad, at your place. You will find blank spaces on the order sheet for these purposes.

**Shipping Facilities**—Des Moines is very well supplied with railroads and express companies. The roads, numbering fifteen, lead out in all directions, thereby making prompt delivery sure, whether sent by mail, express or freight.

**How to Send Money**—Send remittances by express order, bank draft, post office order or registered letter; and make all payable in my name. The three ways first mentioned are the best; but when not possible to send in any of these ways, you can always have your postmaster register your letter. Small amounts can be sent in stamps. Always use our return envelope when convenient.

Our Catalogue is sent free, and we would be pleased to send it to any of your friends whom you think would like to have it, and if you will tell them you have asked us to send it, they will better understand how we got their name and how we came to send the book. Of course, if you, having found our seeds reliable, and can "say a good word" for us, we will be "more than pleased."

**New Varieties**—Quite often, when visiting with gardeners or farmers, new or distinct varieties of vegetables and grains have been discovered. If our friends have something of this kind which they do not find in the seed books, we would be pleased to have a little sent for trial.

**Large and Small Orders** are alike treated carefully, promptly and cheerfully. If you only want a single packet, don't hesitate to send for it. If you grow vegetables to sell in large quantities, write for our wholesale list, if not already sent you. Please feel free to write at any time.

**Guaranteeing Seeds**—The failure of seeds to grow and prove true to type is so often due to causes with which every one is familiar, and over which the seedsman has no control, that we have thought best to say here, plainly, we do not guarantee seeds, except to replace the amount sold, or its equivalent, when by repeated complaints we are convinced that the failure is due to the seed. Not a responsible seedsman is doing more than this; hence, no one need hesitate to order on this account. We use all possible care so as to prevent a failure, as it is as much to our interest, and sometimes more, than it is to yours.

**Seed Growing**—We do not grow all the seeds we sell. You would not believe it if we claimed to. How much ground do you suppose it would take to grow twenty-five kinds of cabbage, fifteen kinds of cucumber, twenty-five kinds of seed corn, forty kinds of melons, twenty kinds of squashes and pumpkins, and hundreds of other kinds, and not have them mixed? I get one man to grow cabbage seed, another to grow cucumber, another to grow sweet corn, still another to grow peas and beans. These men are specialists, and can beat the world in their different lines.

# Livingston's Novelties.

**U**NDER this head, "Novelties," we include not only those varieties which are being offered now for the first time, but also a few of recent introduction that we know have real merit. We think it a kindness to our patrons to exclude many sorts which will only prove a disappointment.

## LIVINGSTON'S BLUE BLOOM CABBAGE.

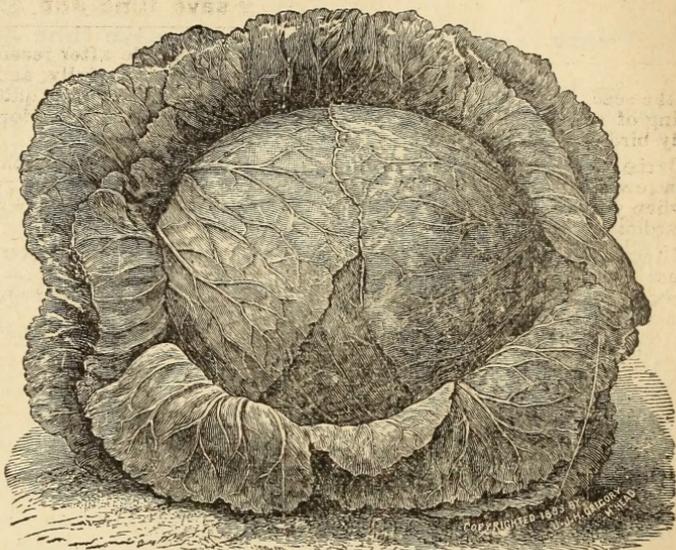
This variety, it seems to me, cannot be improved for main crop, to be used in the fall, and if planted late it

### Keeps all Winter

in prime condition. We grow our stock of it from heads (not stumps), each one of which would sell for a good price on the market. This produces vigorous seed, which in turn produces fine, healthy plants of strong growth throughout the season, resulting in heads of large size, solid and of fine grain and quality. It has very

### Few Outside Leaves,

these having the beautiful "blue bloom" on them, suggest its name. It trims to a fine, white, compact head, and will net more pounds of cabbage fit for any purpose than any variety with which we are acquainted. Pkt., 10c;  $\frac{1}{2}$  oz., 20c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.50.



LIVINGSTON'S BLUE BLOOM CABBAGE.

## HOLLAND CABBAGE.

Sometimes called SPANISH BALLHEAD.

For early marketing we should as soon have the Surehead, or Fottler's Brunswick; but when a large proportion is stored for winter sales, for winter marketing, and pre-eminently for **spring and late spring sales**, when cabbages usually bring the highest price, **this is the cabbage**. Those who raise it will have the markets of late spring entirely to themselves. To get the very hard heavy heads plant ten days earlier than the common Drumhead and manure liberally. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; lb. \$2.75.

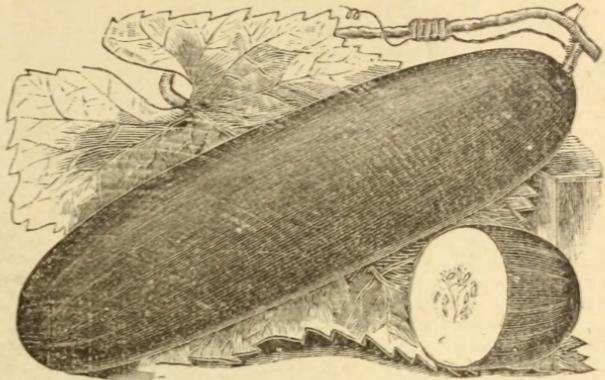
*Mrs. Josiah McKibben, Madison Co., Iowa, writes March 5, '07: "Your seeds have all been true to name and I have been more than pleased with them; also with promptness in filling orders."*

## NEW SWEET CORN . . . COLUMBUS MARKET.

Introduced last season, and over all the varieties of Sweet Corn now offered, the **New Columbus Market** possesses one great advantage, and that is its **very large size** for such an **early sort**. It comes into market with the second earlies, such as Shakers' Early, Crosby's Early, etc., but is fully twice as large as any of them. The tips of the ears are often entirely covered over with kernels. The cob is small and easily broken from the stalk. The ears carry an average of 16 rows of fine, large, deep, and very sweet grains, which are second to none in tenderness and flavor. Were it not for the fact that it is a very prolific sort, the seed of **Columbus Market** must always be sold at a high price, as it is so persistently ever-green as to render it very difficult to cure for seed purposes. The stalk is very strong, sturdy, and of only medium height; the leaves broad and dark green in color; a habit of growth which is generally associated with fine table qualities. Pkt. 10c; pt. 15c; qt. 25c; pk. 75c.

# LIVINGSTON'S EMERALD CUCUMBER.

This is a new sort, never having been offered before. We claim it is the BEST GENERAL PURPOSE VARIETY ever sent out. It retains every good point in other varieties, and, in addition, has that *rich, dark-green color*, so long sought for, and which is not possessed by any other sort with which we are acquainted. It is what might be called an evergreen cucumber as it retains its color until fully ripe. Its dark-green, spineless skin attracts attention. The fruit sets on early, and is long, straight



and handsome. Flesh crisp, tender and delicate — best variety for slicing, and we are sure cannot be excelled for pickles, especially on account of its dark green skin. For forcing under glass or in greenhouse it is superior to any of the English Frame varieties. It will retain its deep green color after picking longer than any of the other yellow or white sorts. In this respect it is a boon to those who grow for shipping. As an all-purpose variety for kitchen or market garden it is unsurpassed. Can be offered only in packets this season. PRICE per pkt., 15 cents; 2 pkts for 25 cents; 10 pkts. for \$1.00.

## ROGER'S LIMA WAX BEAN.

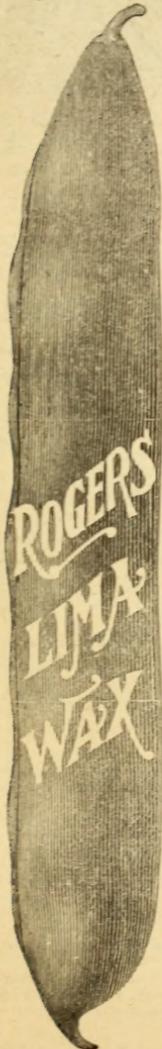
One of Merit and a Most Desirable Acquisition as a Wax Bean.

Named Lima Wax, as the pods are very broad and flat and a most excellent rich quality; it has bright glossy foliage, and the bloom resembles the Dwarf Lima. The plants branching and vigorous, with an immense amount of foliage; pods are borne in the greatest profusion, often a single plant having 50 to 100 or more pods. When in bloom the plant is completely covered with flowering spikes, and as the pods form in clusters they sink beneath the dense foliage, which shields them from light showers, heavy dews and hot sun, which is a protection against their spotting or rusting and becoming soiled, as compared with other sorts. They require thin planting (two beans being sufficient for a hill) on very rich soil.

The pods are the broadest of all wax bush beans; color transparent glossy lemon wax, having the yellow waxy appearance very soon after the pods are formed. When picked will retain their bright, attractive appearance for a long time and not become tough. Quality very tender, juicy, and flavor delicate, delicious. Seed small, oval, pure white, which is much in their favor compared with a colored bean.

We claim for this variety four essential points: (1) Productiveness. (2) Handsome colored and tender pods. (3) Delicious flavor. (4) White seeded, and will make an excellent dry bean for baking.

Having wonderful productiveness, attractive appearance and keeping qualities, it is likely to become a favorite for main crop with truckers, owing to its tenderness, fine quality and delicious flavor, it cannot help but please those who want the best. Being white seeded, retaining nice rich color, and delicate, delicious flavor, when canned, it will be most desirable for canners' use. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; pk., \$3.00.

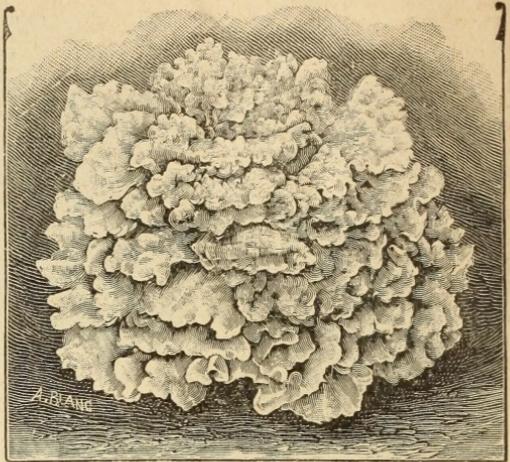


### Points of Merit.

- Dwarf Habit.
- Robust Growth.
- Dense Foliage.
- Productiveness
- Unequaled.
- Pods Handsome Colored.
- Transparent
- Waxy Yellow.
- Tender, Juicy.
- Delicious Flavor.
- Excellent Keeping Qualities.
- Retains Color and Freshness.
- Good Market Bean.
- White Seeded.

## Livingston's New Bon Ton Lettuce.

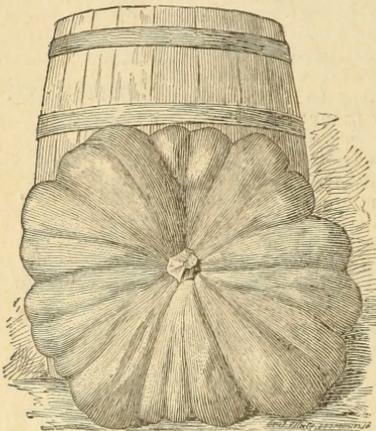
Our illustration of this grand new Lettuce is quite accurate. It must be seen and tasted, however, to be fully appreciated. The Bon Ton is a very rapid grower, having produced heads of double the size of Hanson under the same treatment and during same period. It is exceedingly crisp, remaining so even after the seed stock has started up. Leaves fit for table use have been pulled from the side of seed stocks. It is, however, almost a seedless variety, as not one-third of it has produced seed stalks in our crops of the past three years. Leaves are somewhat curled, yet not so much as to make it difficult to clean for the table. On account of the quick growth, beautiful appearance, and long standing character of the new Bon Ton Lettuce, it recommends itself to the gardener who grows vegetables to sell, and the same good traits make it most desirable of all kinds for the kitchen garden. Please read the testimonials, given below, from parties who have grown the Bon Ton alongside of other good kinds. Pkt., 10c; 3 pkts., 25c.



*Mr. Henry Field says: "I do not know of any Lettuce that will make as large a head in so short a time."*  
*Mr. S. T. Richardson writes: "It is one of the best for table use, tender and crisp. Like Hanson and Denver Market in texture, but slower to run to seed."*  
*Another grower says: "It stays good for use longer than any I have raised. Is tender, sweet and pretty."*  
*A greenhouse man says: "It is the most uniform in growth of any."*

## Livingston's Thanksgiving Pumpkin. ENTIRELY DISTINCT.

Our illustration shows the distinct shape peculiar to this new Pumpkin. We have had specimens to weigh 55 pounds and only have  $1\frac{3}{4}$  ounces of seed in them, the flesh being in some places six inches thick. Average size is about same as the large Cheese Pumpkin, making it just right size for retailing, but the flesh is fully twice as thick. On account of this extra thickness of flesh the yield in pounds is double that of other kinds, as the fruit is produced in as great abundance if not more. The flesh is orange color, fine grain, sweet, and has the delicious pumpkin flavor essential to making of a first class pumpkin pie. The name "Thanksgiving" was suggested by the custom of having pumpkin pie at the Thanksgiving dinner. Pkt., 10c; 3 pkts., 25c.



*Mrs. Rosa Farmer, Winnebago County, Iowa, writes November 20, 1896: "I do not think I gave your Thanksgiving Pumpkin a fair trial, it being planted three weeks from where we live, and not receiving proper care, yet I believe it is all you claim for it and more too, it being thick meated, fine grained, and the sweetest pumpkin I ever tasted."*  
*Mr. J. W. Rhodes, Muscatine County, Iowa, writes, October 27, 1896: "In regard to the Thanksgiving Pumpkin seed you sent me last spring, I raised a nice lot of them, considering the stand. The bugs bothered so there wasn't many left. I think they are excellent; very thick, but little hollow, and fine grained. I think it the best pumpkin I ever saw."*  
*Mr. D. W. Harris, Polk County, Iowa, writes, October 27, 1896: "In regard to the Thanksgiving Pumpkin, I will have about thirty very nice ones, of which I will send you two. I raised those from four hills in garden. They will yield a large crop, and are better for stock than the old cow pumpkin, and we think they are splendid for pie."*  
*Mr. J. W. Black, Cass County, Iowa, writes, October 30, 1896: "The Thanksgiving Pumpkin did very well for what was left. The hail and heavy rain storms knocked off the first bloom; from the second bloom only a few got right ripe. They are fine, as your catalogue says: The thickest meated, sweetest, best pie-maker I ever saw. I have a choice one I will send you if you want it."*



A TRAY OF ROSE GEM MELONS.

ness. As now improved we regard it as the very best and most profitable extra early Melon in existence for Market Gardeners and Shippers, and nothing among the green fleshed varieties surpasses it for quality. The flesh is fine-grained, "smooth as butter," and very sweet. PRICE OF TRUE SEED—Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 35c; lb., \$1.25.

*Mr. W. C. Calahan, Nashville, Tenn., Sept. 25, 1896, writes: "Wish you would make me price on 5 or 10 lbs. of Rose Gem Melon. They are the best Melon ever placed on the market."*

## Paul Rose Melon

New—never offered before.

A cross between Osage and the Netted Gem, made to get the thick salmon flesh of the Osage and the reduced size and beautiful netting of the Netted Gem, and which has been accomplished to perfection. So says the seedsman who is introducing it. The flesh is not "stringy" or "mealy," but has a sort of "cheesy" consistency, cutting smooth and yet tender when eaten; has a very small seed cavity; is almost solid. The meat or flesh of a melon  $4\frac{3}{4}$  inches in diameter frequently being almost two inches thick. It yields one-third less



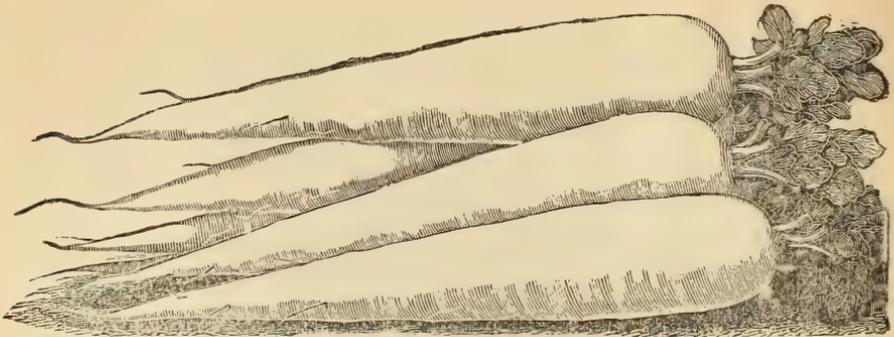
PAUL ROSE MUSKMELON (from Photograph).

seed than the Netted Gem, but gains one-third in weight, owing to extra thickness of flesh. The dark green rind is covered with a gray netting. Long keeper, vigorous grower; withstands drouth well; very prolific. Pkt., 10c; 3 pkts., 20c;  $\frac{1}{2}$  oz., 30c.

## LIVINGSTON'S "NABOB" WATERMELON.

The New Nabob is of finer grain than any other shipping variety, and yet has the necessary hard rind. The thin, hard rind is beautifully mottled, a very attractive feature. Flesh bright red, crisp and not stringy, as with most hard rind sorts. A splendid keeper. Color of seeds dark buff. Gardeners and Shippers should have some "Nabobs" in their melon crop, sure. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00

One Packet each of above Three Best Eating and Shipping Melons, only 20c.



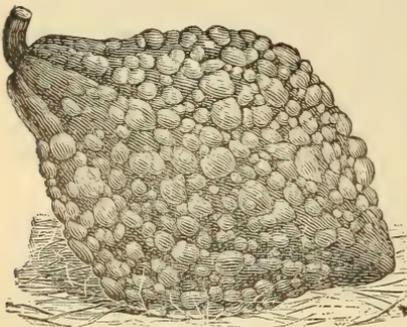
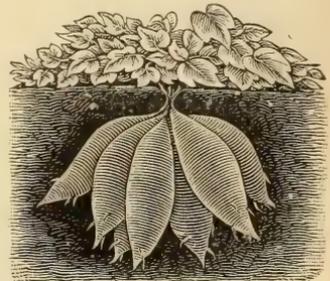
LIVINGSTON'S PEARL RADISH.

## LIVINGSTON'S PEARL RADISH.

This new sort is a cross between Wood's Early Frame and the White Strasburg. A most distinguishing characteristic is its rich, waxy appearance. The shape is one long sought for, and the most advantageous for bunching, being what might be called half stump rooted. (See cut.) The color is pearl white, and texture is very firm. About one week later than Wood's Early Frame, but after they are ready for marketing they remain in eatable condition fully two weeks longer before they show signs of going to seed, and do not become woody. Do not bear quite so close planting as Wood's Early Frame, but their long standing after being ready for market, without running to seed or becoming woody or unfit for table use, more than makes up for wide planting. If grown properly they have a smaller top in forcing than when grown in the open field. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; 1b., 90c.

## NEW VINELESS SWEET POTATO.

Entirely vineless, having a short, bunchy, upright top. A rapid grower, so that it matures in a short season, will ripen further north than any other sweet potato. A prolific bearer of long, yellow, sweet and rich tubers. Stands drought; no vines to run. The best and earliest acquisition in the sweet potato line for years. Succeeds best on light, sandy ground. Price, lb., 25c; pk., 60c;  $\frac{1}{2}$  bus., \$1.15; bus., \$2.00.



WARTY HUBBARD SQUASH.

*Mr. G. S. Dawson, Presidio Co., Texas, writes, January 1, '07: "I enclose a money order for \$3.00 for seeds. I have green lettuce, beets, spinach, onions, etc., up—all in the open. Not a seed o the last lot from you that did not grow."*

## SQUASH. WARTY HUBBARD.

An improved strain of the good old Hubbard Squash, having more prominent knots or warts on it, and of larger average size. It is as hard as flint, thereby indicating its superior quality and dryness; also that it is sure to carry and ship well. It sells at sight when the smooth pale green sorts go begging for customers. This one is a dark green, almost black. Flesh very thick and highly colored. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1b., 60c.

## LIVINGSTON'S PIE.

Just right size for family use. Looks like a small pumpkin with squash stem. Uniform in size, color and shape. Skin netted; orange color; attractive; flesh thick; small seed cavity; almost solid; sweet; fine grained. Good for pies. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1b. \$1.00.

LIVINGSTON'S NEW TOMATO FOR 1898

**YELLOW PRINCE.**

A New "Upright Tree" or "Dwarf" variety of an attractive lemon-yellow color, occasionally one is tinged with scarlet at the blossom end. Grows a rank sturdy bush, full of fruits, of excellent quality, certainly none better for slicing or eating raw. As early and as large, if not larger than Dwarf Champion. Can be set out as close as 2x3 feet even on rich soil, hence a heavy cropper. A decidedly good home sort and will take well with consumers. Sold only in packets this season. Extra select seed, pkt., 10c; 3 pkts., 25c.



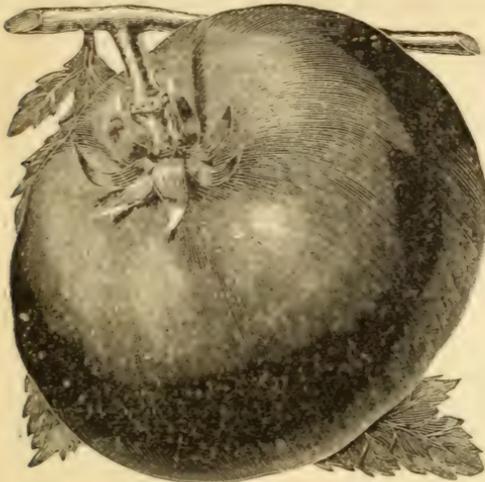
YELLOW PRINCE TOMATO.

LIVINGSTON'S

**Honor Bright Tomato.**

A peculiar bright red variety when fully ripe, but it undergoes several changes of shade during the stages of ripening. First it is light green, then an attractive waxy white, changing to rich bright red. One of the most attractive and handsome varieties grown: well adapted for home or market use. It is a splendid shipping Tomato, because it is solid and keeps so long. It can be shipped in quite large crates or barrels if picked in the early stages of ripening, and they keep from one to four weeks stored in a cool place. The vines are vigorous, bearing from early to late, and having a greenish yellow foliage. The fruit is borne in clusters of three to five fruits.

each. Skin very tough—crack proof. Flesh tender and melting. Pkt. 10c; ½ oz., 20c.



HONOR BRIGHT TOMATO.

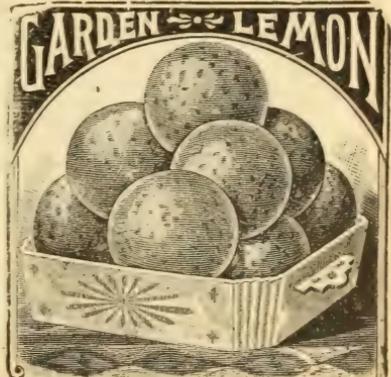
each. Skin very tough—crack proof. Flesh tender and melting. Pkt. 10c; ½ oz., 20c.

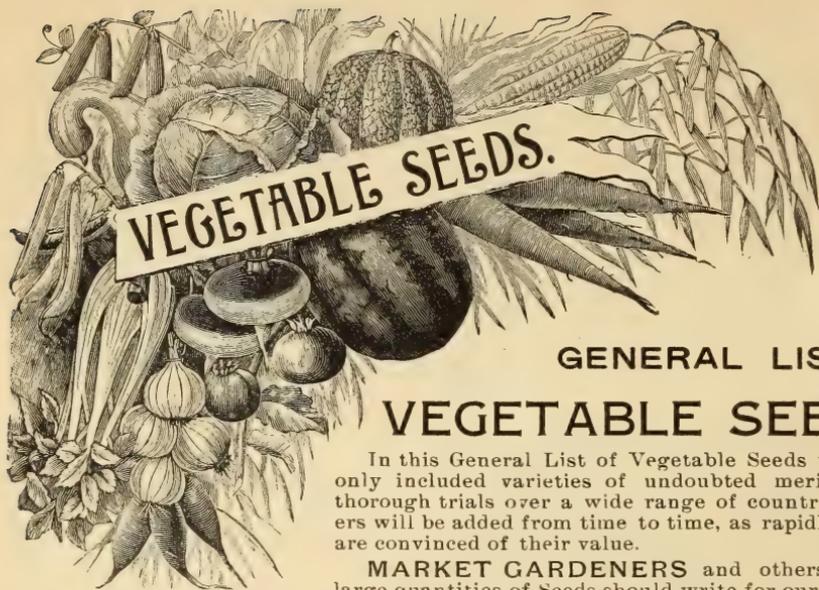
**ORNAMENTAL POMEGRANATE.**

Grows on a pretty vine: fruit a lemon yellow, striped and spotted with dark orange. Size from that of a small peach to that of an orange. Very fragrant, sweet, perfume a room with a pleasant odor for days. Very prolific and easily grown. Pkt., 5c



One Packet  
EACH  
Pomegranate,  
Vine Peach  
AND  
Garden Lemon  
For 10c.  
Single pkt., 5c.





**GENERAL LIST**

**VEGETABLE SEEDS**

In this General List of Vegetable Seeds we have only included varieties of undoubted merit, after thorough trials over a wide range of country. Others will be added from time to time, as rapidly as we are convinced of their value.

**MARKET GARDENERS** and others using large quantities of Seeds should write for our **Special Price List**. State when writing whether you are a Gardener, Florist or Dealer.

**PACKET DISCOUNTS** apply to Seeds put up in the small bags only, and not to Seeds offered by the ounce, quarter pound, pint, quart or larger amounts, or to bulbs. We cannot include any of these larger quantities, as the postage is so much greater.

- Select 6 five-cent packets, Vegetable or Flower, for.....\$0.25
- Select 13 five-cent packets, Vegetable or Flower..... 50
- Select \$1.30 worth of packets, Vegetable or Flower..... 1.00
- Select \$2.75 worth of packets, Vegetable or Flower..... 2.00

Get your neighbors or friends to go in with you, and thereby get the advantage of these liberal discounts. Remember, you get our large full sized packets in every order.

**WE  
PAY  
POSTAGE.**

Please note that we pay postage to any part of the United States prices quoted in this Catalogue (except where noted), and this will explain why our prices possibly seem higher than others, who do not include the postage out ask you to remit extra amount for that purpose, and when this is added it frequently makes my prices the lowest.

**ASPARAGUS.**

**Asparagus Culture** ..... 50c

*One ounce will sow 50 feet of drill and produce about 400 plants.*

A year or so may be saved by using roots, as they come into bearing sooner.

**Palmetto**—Uniformly large and early. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 40c; 2-year old roots, per 100, 75c; per 1000, \$6.00.

**Conover's Colossal**—Very productive. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 40c; 2-year old roots, per 100, 60c; per 1,000, \$5.00.

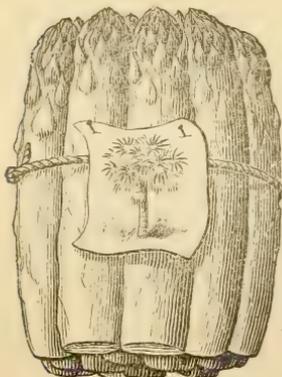
**Barr's Mammoth White**—Has stalks of large size and are almost white. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c; 2-year old roots, per 100, 75c; per 1000, \$6.00.

Prices on Asparagus roots do not include express charges.

**BORECOLE OR KALE.**

*One ounce to 2,000 plants.*

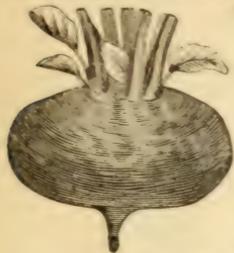
**Siberian or Dwarf German**—Very hardy. Sow in September and cover over with mulch as severe weather sets in. It is ready very early in spring. Pkt., 5c; oz., 10c; ¼ lb., 30c.



**PALMETTO.**

# BEETS.

One ounce to 60 feet of drill, 5 to 6 pounds to the acre.



**Crosby's Improved Egyptian**—An extra early variety, especially adapted to market gardeners' use, as it comes into market about one week ahead of any other variety. It is of dark red skin and flesh, except occasionally a specimen that has a lighter shade. It is of semi-globular shape, not so round as Eclipse, and not so flat as Early Egyptian, but always

of good shape, little or big. Very sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**Early Egyptian**—An early, dark-red variety of good quality; of good shape through all stages of growth. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

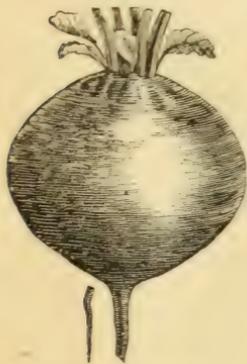
**Bastian's Early Blood Turnip**—This sort has turnip shaped roots, bright red in color; flesh light red, zoned with white. Very sweet. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Early Bassano**—Especially desirable for greens, as it produces a heavy top.—Flesh pink and white striped. Pkt., 5c; oz., 7c; ¼ lb., 15c.

**Early Eclipse**—An early variety, having globe shaped roots; dark red skin and flesh; irregular in maturing. A good family sort, as they last well through the season. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Improved Long Smooth Blood**—A very tender, sweet variety, having the darkest red flesh of any, but owing to its shape is not so desirable for market purposes. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Swiss Chard, Silver or Sea Kale**—Grown entirely for greens; and the mid rib of the leaves, which are eaten same as celery. Pkt., 5c; oz., 10c; ¼ lb., 20c.



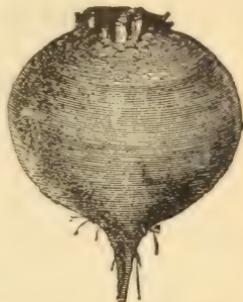
EDMAND'S EARLY.

**Edmand's Improved Early Turnip**—A splendid second early sort, having a small top; very smooth. Tender and sweet. Roots a dark red on outside, some what lighter on the inside. A good keeper. Pkt., 5c; oz., 8c; ¼ lb., 15c; lb., 50c.

**Lane's Imperial Sugar**—A large and comparatively smooth variety, especially desirable for feeding to cattle. oz, 5c; ¼ lb., 15c; lb., 40c; 5 lbs. by express or freight, charges not prepaid, \$1.25.

**Dewing's Improved Blood Turnip**—Used more than any other variety in the United States for a second early and fall crop. Beautiful, smooth, round, dark red skin and flesh. Very sweet and tender. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.

**Early Blood Turnip**—Very similar to above. Pkt., 5c; oz., 7c; ¼ lb., 15c; lb., 50c.



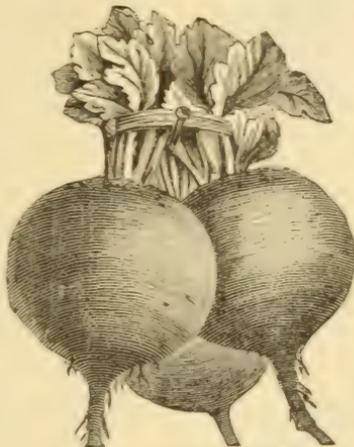
DEWING'S IMPROVED.

# MANGEL WURZEL.

**Improved Mammoth Prize Long Red**—Also called Norbiton Giant and Jumbo Mangel. The heaviest cropping variety. It grows more than half out of the ground, and produces immense crops of the very best stock food. Oz., 5c; ¼ lb., 10c; lb., 35c; 5 lbs., not prepaid, \$1.00.

**Yellow Globe**—Especially adapted to shallow soils. Is of fine grain. Is easy to harvest and an excellent keeper. Oz., 5c; ¼ lb., 10c; lb., 35c; 5 lbs., not prepaid, \$1.00.

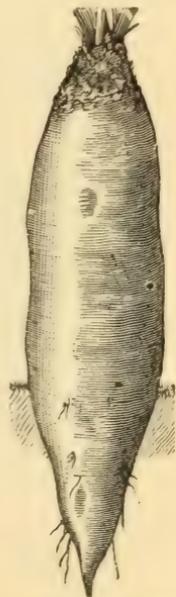
**Golden Tankard**—As its name indicates, this sort is of Tankard shape. Has beautiful yellow flesh, containing more sugar and less water than many varieties, hence exceedingly profitable as feed for dairy cattle; imparting a richness to both milk and butter alike. Oz., 5c; ¼ lb., 10c; lb., 35c; 5 lbs., not prepaid, \$1.00.



EARLY ECLIPSE BEET.



GOLDEN TANKARD.



GIANT LONG RED.

Geo. S. Dawson, Presidio county, Texas, writes us October 13, 1897: "All the seeds I got of you this year gave me good satisfaction, and as for Crosby's Egyptian Beet they say on the market, Dawson's Beets beats all."

## BEANS.

### DWARF OR BUSH.

One quart to 100 feet of drill, two bushels to the acre.

Quart and pint prices on Beans include postage; if to go by express at buyer's expense, deduct 15 cts. per quart, or 8 cts. per pint from the prices below.

**Golden Wax**—This well known variety has pods of good average length and slightly curved; yellow, stringless. A good yielder and a standard sort. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c; bu. \$3.50.

**Improved Rust Proof Golden Wax**—The best strain of Golden Wax, being very prolific and hardy. The pods are straight, thick and long, of a beautiful golden color, and stringless. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c; bu., \$3.50.



KIDNEY WAX.

**Kidney Wax**—Bush of medium size and very productive. Pods long, broad, flat, and entirely stringless; of a beautiful pearl shade. A good selling variety, and not excelled by any as a family sort. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c; bu., \$3.50.

**Yosemite Mammoth Wax**—The monster pods of this new variety average 10 to 14 inches in length, are nearly all solid pulp and absolutely stringless, cooking tender and delicious; rich golden yellow; a vigorous grower, covering the ground with heavy foliage. A desirable variety. Pkt., 10c; ½ pt. 15c; pt., 25c; qt., 45c; pk., \$1.50.

**German Black Wax**—Very early. Will stand planting in cold ground. Pods round, very fleshy, waxy, yellow, stringless. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c; bu., \$3.50.

**Pink Eye Wax**—A fine bean, with round pod, similar to the German Black Wax, but of larger size. It has a very solid, pulpy pod, without string. Pkt., 5c; pt., 20c; qt., 35c; pk., 75c.

**Golden Eye Wax**—One of the earliest, hardest and most productive of Wax Beans. The bush is strong and branching, holding the pods well up off the ground. Pods are of beautiful golden color. Pkt., 5c; pt., 20c; qt., 35c; pk., 75c.

**White Seeded Wax**—A very fair sort, uniformly of good quality, although the pods are not always of even shade, some being almost green. Pkt., 5c; pt., 20c; qt., 40c; pk., 90c.

**Scarlet Flageolet Wax**—A very showy variety, having large yellow pods, coming quite early. Exceedingly succulent and tender. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

**Early Mohawk**—Will stand planting in cold ground early in the spring, and on this account is valuable for the market gardener. The pods can be used when only half grown. Pods are green, flat and slightly curved. Not quite so tender as some. Pkt., 5c; pt., 20c; qt., 35c; pk., 75c.

**Early Long Yellow Six Weeks**—An old standard green podded sort, coming quite early, and the beans not used in the green state, make one of the very best soup beans. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

**Improved Round Pod Valentine**—The finest of all Valentine strains. This variety is the main crop, green pod bean. It has a handsome, round, green, fleshy pod, entirely free from string. A good bearer and of the very best quality. Pkt., 5c; pt., 20c; qt., 35c; pk., 75c; bu., \$2.75.

**Dwarf Horticultural or Speckled Cranberry**—The peculiarity of this sort is that the pods remain tender and fit for use even after the beans have attained almost full size. They can then be used as a shell or succotash bean, and even after they become dry they are a good soup bean. A splendid all round sort. Pod is green. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c.

**California or Mexican Tree Bean, White Navy, White Marrowfat and White Kidney**—Each, pkt., 5c; pt., 15c; qt., 25c; pk., 75c; bu., \$2.75.

### BUSH LIMA BEANS.

The Bush Limas should be planted 18 inches to 2 feet apart, as they form large bushes and must have room. Leave only two strong plants in a hill.

**Henderson's Bush Lima**—The surest cropper of the Bush Limas. It grows without the aid of stakes, in compact bush form, to eighteen inches high, and produces fine crops of Lima Beans, which can be as easily gathered as the common garden bush beans. Is earlier than any of the climbing Limas, and produces a continuous crop until frost. Beans are about one-half the size of the old White Lima Pole variety. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25.

**Dreer's Bush Lima**—The bush form of the Dreer Pole Lima. The beans are exactly the same size, and, what is more important, they have retained the extra fine quality and sweetness of that good old sort. The pods contain 4 and 5 beans, and, of course, an easy and rapid sheller. Pkt., 10c; pt., 25c; qt., 45c; pk., \$1.50.

**Burpee's Bush Lima**—This sort has the largest beans of any, 2 and 3 to the pod, of fine quality. The bush grows large and must have ample room. Pkt., 10c; pt., 25c; qt., 45c; pk., \$1.50.

### POLE BEANS.

Don't plant Pole Beans until the ground is thoroughly warm. One quart makes from 100 to 200 hills, according to the size of beans. 10 to 12 quarts will plant an acre.

**Red Speckled Cut Short or Corn Hill**—Almost every one knows the old Cut Short Bean. They are always good. Pods round and tender. A good kind to plant in the corn hill, but can be planted without any support and produce a good crop. Give them plenty of room. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c.

**Lazy Wife's**—The pods grow from 6 to 8 inches long, entirely stringless, and of a rich, buttery flavor when cooked. They are a boon to the busy housewife, as they have a habit of growing in great bunches, hence easily and quickly picked. The pods retain their tender, rich flavor until nearly ripe; a good white shell bean for winter use. Pkt., 10c; ½ pt., 15c; pt., 30c; qt., 55c.

**Early Dutch Case Knife**—One of the earliest of the pole varieties, white seeds, is good green or dry, very productive. A good bean for planting among corn. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c.

**Scarlet Runner**—An ornamental sort, used same as Morning Glories. Pkt., 5c; ½ pt., 15c; pt., 25c.

**Red Giant Wax**—Pkt., 10c; ½ pt., 15c; pt., 30c.

**London Horticultural or Speckled Cranberry**—A round, speckled bean, tender for snap beans and excellent for shelling. All we have said about the Dwarf Horticultural Bean applies to this sort, except that this one needs something to climb up on. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c; pk., \$1.25.

### LIMA POLE BEANS.

**Extra Early Jersey**—For general planting, particularly at the north, this is the best variety. Vines vigorous and very productive; leaves large; pods large, broad, flat; beans large, flat; white. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c.

**Large White**—Pods broad and rough. Seeds large, broad and white. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c.

**Dreer's Improved**—Smaller seeds than the preceding, but more hardy and more productive. Best flavored of any. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 45c.

# Livingston's Reliable Cabbage Seed.

It is very important to have Cabbage Seeds right, as varieties of the poorest quality will germinate and produce as fine plants as any; so that it is impossible to tell from their appearance what the crop is going to turn out until it is too late to grow anything else, and you are out for seed, your time and the use of the land. We have a man who has had a great many years' experience in Cabbage Seed growing to grow for us, and he is located at a point especially adapted to the business. There are only a few places where the best seed can be grown.

**CABBAGES: How to Grow Them.** By J. J. H. Gregory. Full details on every point, 30c

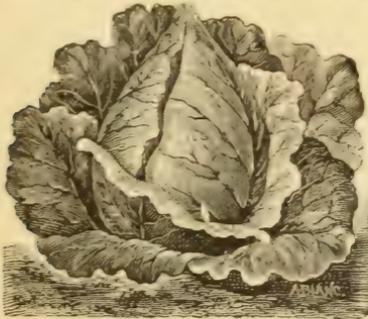


EARLIEST ETAMPES.

One ounce of seed produces from 1,000 to 2,000 plants, and sows an area of about 40 square feet.

**Earliest Etampes**—The earliest variety we have; and while not so solid as the Early Wakefield, yet for the market gardener it has value on account of coming into use about a week earlier than any other kind, and will sell well, as there is no better variety to compete with it. We do not recommend it for the kitchen garden. The heads are oblong and of medium size. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**Early Winingstadt**—This variety is about a week later than the Wakefield, having a pointed and an exceedingly solid head. It is so solid the worms seem to look on it as too hard a job too tackle, and so pass it by for the more loosely growing sorts. The heads are very pointed and crisp. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



EARLY JERSEY WAKEFIELD.

**Early Jersey Wakefield**—The best of the early sorts. Always forming a good solid head. Our strain of it produces a head to almost every plant. We can heartily recommend it for both market and kitchen gardens as the best of the early pointed headed varieties. It is of fine grain and quality. Can be grown quite closely, as the plants do not require much room. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$2.00.

**Large Early York**—An old, well known, early sort. Pkt., 5c; oz., 15c.

**Early Dwarf Flat Dutch**—A very even heading sort, immediately following the H.'s Early Summer, and one of the very best summer varieties. It will withstand heat and form a very solid head. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



HENDERSON'S EARLY SUMMER.

**Henderson's Early Summer**—The Early Summer is the first one of the flat heading sorts to come into market, and it is preferred by many on account of its shape. It is of good size and very fine grained. An excellent early variety, and by successive plantings it can be had from spring till fall. A good keeper. Can be planted closely on account of few outside leaves. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$2.00.

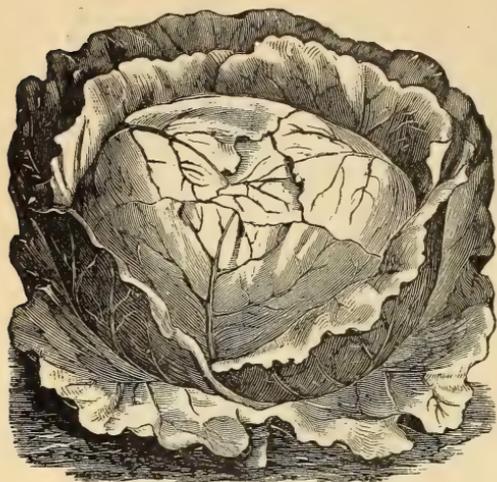
**Early Drumhead**—A variety very similar to Early Dwarf Flat Dutch. Pkt., 5c; oz., 15c.

**All Seasons**—An excellent sort for the family or small gardener who wants to make one cabbage patch do for "all season." The heads do not all form at one time, and will stand the hot sun and dry weather fine. They are almost round and very sure to head. Also a good keeper. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



ALL-HEAD EARLY.

**All-Head Early**—A thoroughbred, being of uniform size, shape and color, and one that heads every time—almost. The deep flat heads are very solid and of fine quality. It is a compact grower, hence can be planted as close as eighteen inches apart in the row. By sowing seed late it is an excellent winter variety. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.



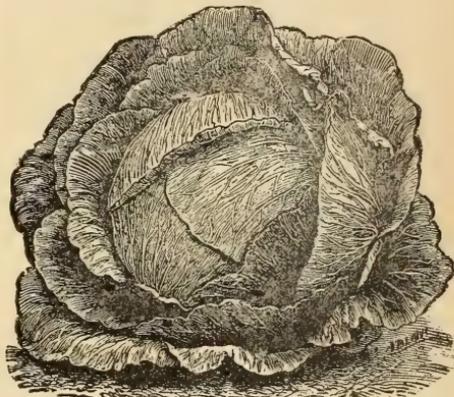
SHORT STEM DRUMHEAD.

**Short Stem Drumhead**—Heads are very large, extra hard, solid, round, flattened on the top, uniform in size and shape, and are always of the finest quality and a sure header. Cabbage growers in the South, where so many varieties fail to head, will do well to plant the Short Stem Drumhead for a *sure crop*. It has a very short stem and grows very compactly, the leaves all turning in to form the head, with very few loose leaves, thus allowing it to be set close together. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**Livingston's Premium Flat Dutch**—For the winter market it has no superior. Heads are large and very solid; they open white, crisp and tender. It is a fall and winter variety, and with good cultivation is sure to head. Grown almost exclusively by market men on account of its good shipping qualities. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**Blood Red Dutch**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c.

**Chase's Excelsior**—We have made a specialty of this Cabbage for many years and never sold anything that gave better satisfaction. It is a medium early variety, following Early Summer, but with heads almost double the size. It can be planted (as a second crop) twenty days later than the Flat Dutch, and still mature almost as many pounds to the acre. It is very uniform in type, sure to head, and is exceedingly solid. Few varieties will produce so many well formed, large, solid heads from the same number of plants. Pkt., 5c; oz 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



FOTTLER'S DRUMHEAD.

**Fottler's Early Drumhead, or Short Stem Brunswick**—This variety is a rapid grower, has large, solid heads, and but few outside leaves. If planted early, is ready for use in July or August; planted late, is a choice winter sort. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**Mammoth Red Rock**—This is by far the best, largest and surest heading red cabbage ever introduced. The head is large, round, very solid, and of a deep red color. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb. 60c.

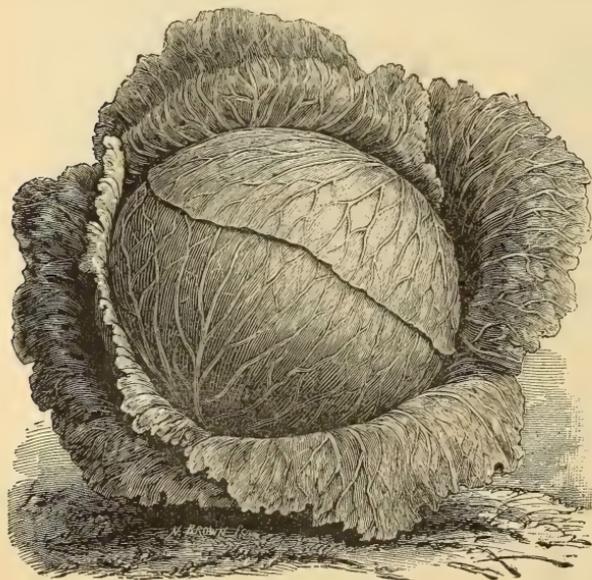
**Drumhead Savoy**—A large late sort, having leaves that are beautifully crimped. A good winter sort. Pkt., 5c; oz., 15c.

**Surehead**—This variety is pronounced by thousands of growers the surest heading and best main crop cabbage. The demand from all parts of America for this famous cabbage is steadily increasing. No other cabbage has elicited so many voluntary expressions of praise. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**Luxemburg, or Hard Head**—It retains its fine green color until late in spring and is often sold for new cabbage after it has been covered up all winter. A hard heading, fine looking, extra keeping variety, best winter sort for home use and for the market. Pkt., 5c; oz., 30c; lb., \$2.75.

**Large Drumhead**—A large, loose heading sort that is good to bury for winter use. It heads up and blanches in the pit, and comes out in good shape for market. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

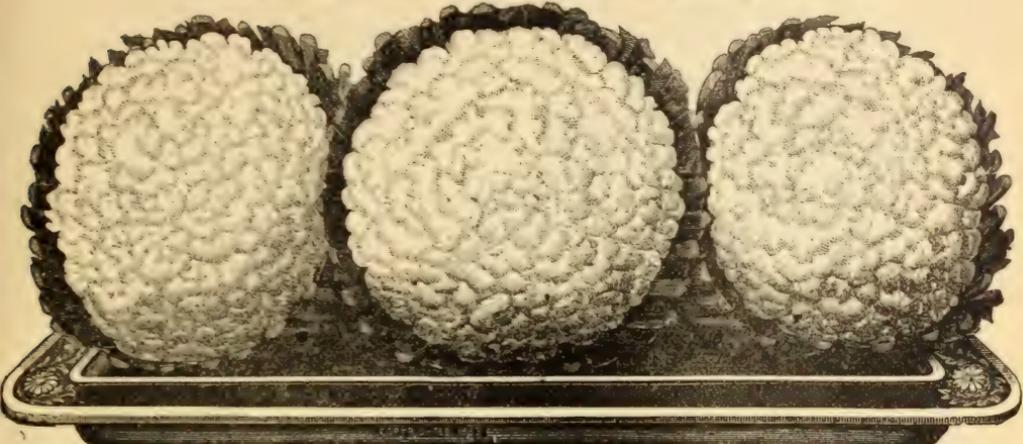
**Marblehead Mammoth**—The largest variety known. Forms rather a loose head. A good one to grow for exhibition. Pkt., 5c; oz., 20c.



SUREHEAD.

**Slug Shot for Cabbage Worms**

# CAULIFLOWER.



**Cauliflowers; and How to Grow Them—20c.**

*One ounce gives 1,000 to 2,000 plants.*

**Henderson's Early Snowball**—This is certainly the best type of cauliflower in the market. It is unexcelled by any variety for earliness. If planted March 1st, large heads will be produced in June, and scarcely a single head will fail to form. It does equally well for late planting. Our stock cannot be excelled. Pkt., 25c;  $\frac{1}{4}$  oz., \$1.10; oz., \$4.00.

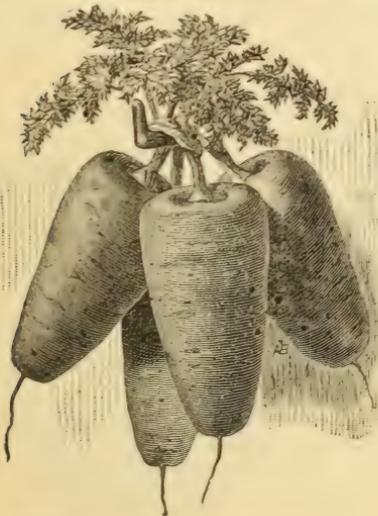
**Early Snowball**—As offered by others. Pkt., 15c; oz., \$2.00.

**Extra Early Dwarf Erfurt**—Scarcely a plant fails to produce a head. It is of dwarf habit, compact growth, short outside leaves, and can be planted 20 inches apart each way. Our stock is of the best grade. Some offer this as the Snowball. Pkt., 20c;  $\frac{1}{4}$  oz., 75c; oz., \$2.50.

## CARROT.

*One ounce sows 150 feet of row. Four lbs. sow an acre.*

**Gregory on Carrots, Mangel Wurzel, etc.—How to Raise, Keep and Feed Them—30c.**



CHANTENAY HALF LONG SCARLET.

**Early Short Scarlet Horn**—Is stump rooted, second in size; fine for forcing; rich color and good flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 75c.

**Chantenay Half Long Scarlet**—A stump-rooted variety, tapering slightly, but uniformly smooth, of a deep orange red color, medium sized top, with small neck; medium early and can be pulled by one hand. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Oxheart, or Guerande**—This carrot grows three to four inches in diameter at the top. It is very fine quality for table use. Where other sorts require digging, Oxheart can be easily pulled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Danvers**—One of the most productive and best for field culture. Tops medium, roots dark colored, large, but of medium length, tapering abruptly at the point, very uniform and handsome; flesh deep orange with yellow center, sweet and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Large White Belgian**—Very productive; grown almost entirely for stock. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Improved Long Orange**—Standard late kind, deep orange color; yields well. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



DANVERS.



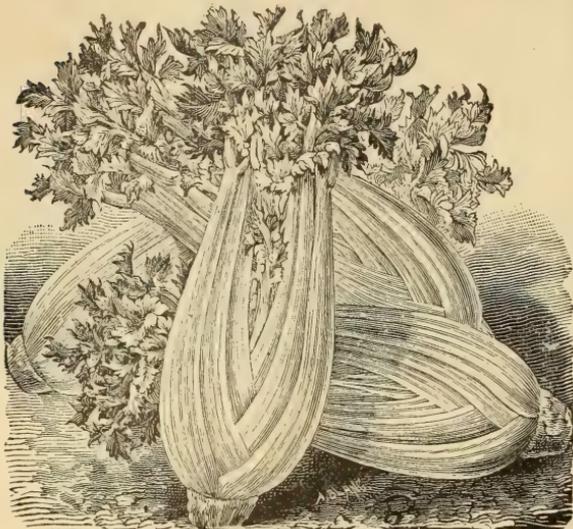
OXHEART.

**WRITE FOR SPECIAL PRICES ON FIVE POUNDS OR MORE OF CARROT SEED.**

## CELERY.

One ounce of seed will produce 800 to 1,000 plants.

Celery for Profit—The Latest Method Described—30c.



WHITE PLUME.

**White Plume**—A handsome, crisp sort, of easy cultivation, as it is almost self-blanching, requiring for this purpose but a single hoeing up of the earth about the stalks. The flavor is excellent. It is one of the best and earliest varieties; should be used early, as it is not so good a keeper as some. It must not be allowed to freeze. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Golden Heart**—A distinct variety of sturdy dwarf habit. It is solid and of fine nutty flavor. When blanched, the heart, which is large and full, is of a light yellow, making it an exceedingly showy and desirable variety for either market or private use. It is a good keeper, and if frosted in the fall before harvesting it is only injured so far as frosted, while with some sorts the whole stalk is ruined. Good for general crop. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c; lb., \$1.75.

**Boston Market**—Distinct in being of branching habit. Is white, of good flavor, very solid, not injured by frost, a good keeper. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

We can also supply the following well known sorts: **White Solid**, **Early Arlington**, **Golden Self-Blanching**, **Giant Paschal**, **Crawford's** and **Henderson's Half Dwarf** and **New Rose**, at the uniform price of pkt. 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.



GARLIC BULBS.

## GARLIC.

Prepare ground same as for onions, and plant in early spring, in drills eight inches apart, four inches in the rows, covering two inches deep. Esteemed for flavoring soups and stews. We can supply the bulbs only. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c; express (not prepaid) 5 lbs. for \$1.00.

## CRESS.

A well known pungent salad; can be used alone or with lettuce.

**Curled Garden Cress**—Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed. Very fine; may be cut two or three times. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Water Cress**—This is a well known, hardy, perennial, aquatic plant. It is easily grown by planting along the margins of ponds and streams, where it increases rapidly. Pkt., 10c; oz., 35c.

## ENDIVE (Winter Lettuce).

One ounce of seed sows 150 feet of drill.

**Green Curled**—It is the hardest variety, with beautifully curled green leaves, which blanch white; very crisp and tender. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

**Broad Leaved Batavian**—Forms large heads of broad, thick leaves. Preferred for flavoring soups, and is also excellent blanched to form a salad. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

## EGG PLANT.

One ounce of seed makes 1,000 plants.

**Improved Large Thornless Purple**—This entirely distinct strain has been produced by careful selection from the New York Purple. The

objects aimed at were: Fruit of large size, early, of beautiful glossy purple and last, but not least, to do away with the thorns which are so common in other strains, and so injurious both to the hands when gathering the fruits and to the fruit itself when shipping it. The plant is of strong, branching, vigorous habit. Fruit of large size, of a very rich, glossy, deep purple hue, flesh white, and of delicious flavor when properly cooked. We are confident this strain of large purple egg plant cannot be improved upon. Pkt., 5c;  $\frac{1}{2}$  oz., 20c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00.

**New Pearl White**—Very much the same in quality, size, shape, productiveness and manner of growth as the Large Purple, but differing in color. It is of a pure, creamy white, with slight shading of green near the stem. Pkt. 10c,  $\frac{1}{2}$  oz. 25c, oz. 45c.

**New York Purple**—The old standard sort. Pkt., 5c; oz., 35c.

## CELERIAC (Turnip Rooted).

Differing from other kinds of celery in that the

root is used in place of the stalks. Nice for flavoring soups, stews, etc. Pkt., 5c; oz., 20c. Apple shape. Pkt., 5c; oz., 20c.

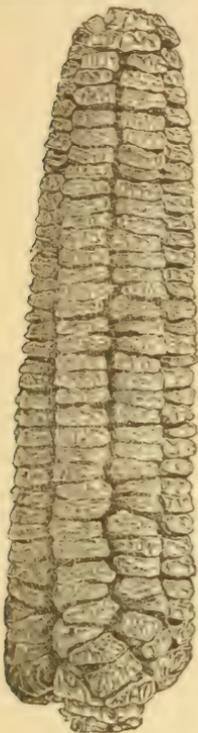


IMPROVED LARGE PURPLE.

**SWEET CORN.**

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

Quart and pint prices on Corn include postage; if to go by express, at buyer's expense, deduct at the rate of 10 cents per quart. Half-pint package is right size for small family.



CORY.

but a much larger ear. Kernels large and very sweet. When ripe they are red in color. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Burlington Hybrid**—A semi-sweet variety, and while not as sweet as the sweet corns, it is of value to the market man because it can be planted in colder ground, hence comes into bearing sooner; very hardy, fair sized ear, has a husk like sweet corn, and sells well. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 35c; pk., 70c; bu., \$2.50.

**Extra Early Cory**—Very early. The first sweet corn to come into bearing; small ear, broad grains, and when ripe are inclined to be red; cob is red. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 35c; pk., 60c; bu., \$2.25.

**Extra Early White Cory**—Similar in every respect to the Extra Early Cory, except in color of grain and cob, which in this one are both white, hence considered an improvement. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 35c; pk., 60c; bu., \$2.25.

**Early Minnesota**—Immediately follows the Cory corn in time of ripening and is a little larger. Has a white cob and grain; the one we always advise for first crop in the kitchen garden. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Perry's Hybrid**—Almost as early as Minnesota, but a much larger ear. Kernels large and very sweet. When ripe they are red in color. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Early Champion**—Of all the Early Sweet Corn this is the largest. Comes but a few days later than the small eared sorts. A favorite with market gardeners. The ears are medium size; fine appearance; kernels tender and sweet, cob white. Pkt., 5c; pt., 20c; qt., 35c; pk., 75c; bu., \$2.50.

**Country Gentleman**—A sort developed from the old Ne Plus Ultra and having a very small white cob densely covered with regular rows of very long, slender, white grains, which are of fine quality. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 35c; pk., 60c; bu., \$2.25.

**Shaker's Early**—A very fine, large, pure white sort coming quite early. Good to follow a crop of Minnesota. Very productive, sometimes having two and three ears to the stalk. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Crosby's Early**—An old standard, second-early sort that has never been excelled in sweetness, good sized ear, pure white grain and cob. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Triumph**—The largest of the second early corns, and in consequence does not mature quite so quick, yet it is not so late as the evergreen sorts; very productive. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Early Sunrise**—Originating with a market gardener, this variety is said to, and necessarily must possess the following good qualities: Earliness in maturing, good size (ears 5 to 6 inches in length), white cob and grain, grain covers end of cob. Husk long and close, fitting so as to protect ear against worms. Qualities that warrant a liberal trial especially by those who grow for market. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 35c; pk., 75c.

**Stowell's Evergreen**—The old fashioned evergreen sort that almost everyone has grown; large, pure white ear; cob white and grain very deep. We have a selected stock. Pkt., 5c; ½ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.00.

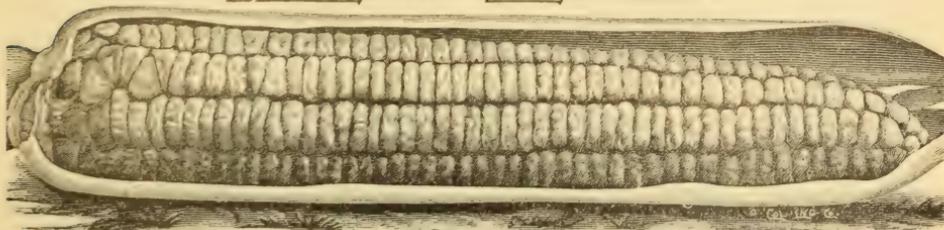
**Egyptian**—A large pure white variety having fine quality. Comes into bearing quite late. Pkt., 5c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Mammoth**—The largest and latest of all varieties. Matures about the same time as the common field corn, and is even larger than some of them. It has a white ear and cob. Pkt., 5c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Black Mexican**—One of the very sweetest of all sweet corns. It is different shades of purple when in roasting ears. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 30c.

**Fodder Sweet Corn**—Nothing seems to be more highly relished by stock than sweet corn fodder, and nothing will do them more good. Sow thick and cut when quite green. Pkt., 50c; bu., \$1.50.

## LIVINGSTON'S EVERGREEN.



**Livingston's Evergreen**—An old variety that has been in our family for upwards of 40 years. My father has always selected and saved good seed stock of it. It is today as good or better than ever. Some of our gardener friends say that they have worked up a trade on it against all competitors, principally on account of its decided sweetness. No one ever complains of its size. In time of ripening it is second early. We have grown it ready for the table just twelve days later than the Extra Early Cory, when planted at the same time. For market purposes it should not be planted over two grains in a hill, as it "suckers out" and will become too thick if not gone over and suckers pulled off. This fact, however, makes it one of the very best of varieties for fodder purposes. It is a good variety for all purposes and especially for family gardens, as it remains good for a long time. Pkt., 5c; ½ pt., 10c; pt., 20c; qt., 35c; pk., 75c; bu., \$2.50.

**SPECIAL PRICES ON SWEET CORN IN LARGER QUANTITIES. PLEASE WRITE.**

**CUCUMBER.**

One ounce for fifty hills. 1 to 2 pounds for an acre.

Livingston's Emerald—See Novelty List.



WHITE SPINE.

**Green Prolific**—One of the best pickling sorts, being very uniform in shape and size, and very productive. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Livingston's Medium Green**—Worthy a place among the very best of pickle sorts. Always of uniform size and color. Very productive, whether a wet or dry season. Many of the so-called new varieties might well take a back seat for this one. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

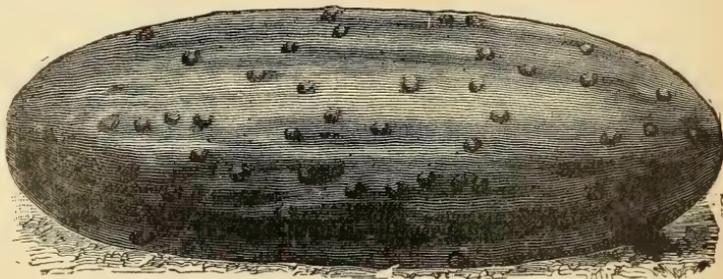
**Improved White Spine**—The old standard sort, and used to-day as much or more than any other sort. It is alike good for pickling or slicing, of good shape at all stages of its growth, of a beautiful green color when of pickling size. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Peerless White Spine**—One of the finest strains of White Spine. Fruit of large size, straight, productive; skin deep green, holding color until maturity. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Cool and Crisp**—Skin very dark green; flesh crisp and tender; good for pickling or slicing; quite early. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

**Extra Early Russian, Early Frame and Early Green Cluster**—Are all early small varieties. Quite popular for the home gardens. Pkt. 5c; oz. 7c;  $\frac{1}{4}$  lb. 15c.

**Hill's Forcing White Spine**—Originated near Boston, and for years Mr. Hill, the originator, had the trade all his own way in that market, as his cucumbers were ready for market before others, and were of such perfect form, so remarkably even, and of that desirable dark green color. Grows more compact about the hill than most other kinds, and being early is an excellent variety to grow for market. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb. 20c; lb. 65c.



HILL'S FORCING WHITE SPINE.

**LIVINGSTON'S EVERGREEN.**

It is generally admitted to be the finest pickle sort, possessing, as it does, all the necessary requirements for producing pickles of even size, just as large at one end as the other; no difference if it is a dry season, which usually results, with some varieties, in producing pickles with necks at the stem end, rendering them almost useless. It is very hardy and bears until frost, if the large seed cucumbers are cut off. It is very prolific of nice crisp fruits, of a beautiful green shade. It is a splendid slicing variety, also. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**Improved Long Green**—A standard all-around variety. Excellent for slicing; quality crisp and delicious. The smaller fruits are used for pickling. Larger ones can be allowed to ripen for preserving. Pk., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

The striped bug cannot destroy your crop of cucumbers if seed is sown in rows. Just before vines start to run, thin plants to hills about four feet apart.

**Slug Shot** is the best powder to fight bugs with, if necessary. 5 pound package, 35c; 10 pound package, 60c.

**Small Gherkin**—(BURR CUCUMBER)—Is esteemed highly for bottling. It is small in size, in shape like a chestnut burr. Quality fine. Pkt. 5c; oz. 15c.

**Westerfield or Chicago Pickle**—Very popular about Chicago, being extensively grown. Of medium length, pointed at each end, has large prominent spines, color deep green. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Serpent, or Snake Cucumber.**

A remarkable and very interesting curiosity. The cucumbers grow curled up like a snake, with the head protruding, and sometimes are several feet in length. The illustration represents their shape; quality fair. Grown more for curiosity and exhibition than table use. Pkt., 10c.

**Japanese Climbing**—A climbing sort, with extra strong tendrils. Saves room in small gardens by growing on trellis; very prolific; flesh thick and tender. Pkt., 5c; oz., 15c.

**Rollinson's Telegraph** (ASTRO)—A forcing sort; 18 inches long; bright green, perfectly smooth. Pkt., 15c.

**GOURDS.**

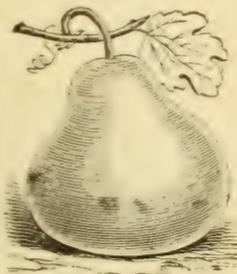
**Dipper** — Can be used for dippers; they will hold from a pint to a quart and a half the handles being from 6 to 18 inches long. When growing on the ground the handles will be curved, while if grown on trellis or tree the weight will cause them to grow straight. Very convenient for hot liquids, as the handle does not heat through rapidly. They are easily prepared and last for years. Pkt., 5c; oz., 20c.



**Nest Egg** — (Japanese Nest Egg) — These exactly resemble in color, shape and size a hen's egg; they do not crack, and are uninjured by cold or wet; they make the best nest eggs. As the plant is a rapid growing climber, it is very useful for covering screens, etc., being quite ornamental. Pkt., 5c; oz., 25c.

**Dishcloth or Luffa** — A natural dishcloth, and a most admirable one, is furnished by the peculiar lining of this fruit, which is sponge-like, porous, very tough, elastic and durable. Many ladies prefer this dishcloth to any other. The fruit grows about two feet in length, and the vine very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery shaded, dark green foliage. In the north this variety should be started in a hot bed. Pkt., 5c; oz., 25c.

**Sugar Trough or Sap Bucket** — This variety grows to a very large size, holding from 4 to 10 gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. They are used for a great variety of purposes, such as buckets, baskets, soap and salt dishes, nest boxes, etc. Pkt., 5c; oz., 15c.



**Ornamental Sorts** — Many beautiful shapes and colors. Pkt., 5c.

**Gourd Collection.** One packet each of the above only 15 cents.

**KOHL RABI.**

When young and tender they are fine for table use. For early use sow in hot-bed and transplant like cabbage. For winter use sow about middle of June, in rows eighteen inches apart, thinning to three inches in the row.



KOHL RABI.

One ounce of seed for 1500 plants.

**Early White Vienna** — Flesh white and tender. Best for forcing for early market. Pkt., 5c; 1/2 oz., 15c; oz., 20c; 1/4 lb., 60c; lb., \$2.25.

**Early Purple Vienna** — An excellent sort, a little later than the white, and of purple color. Pkt., 5c; 1/2 oz., 15c; oz., 25c; 1/4 lb., 75c; lb., \$2.75.

**KALE. (SEE BORECOLE.)**



**LEEK.**

Plant the seeds in April, in drills one foot apart and one inch deep. When six or eight inches high remove plants to deep, rich soil, setting them in rows 12 to 18 inches apart. Plant as deep as possible, and during growth draw the earth to them to blanch the stems.

One ounce of seed to 1500 plants.

**Large American Flag** — Pkt., 5c; oz., 15c; 1/4 lb., 40c.  
**Large Musselburg** — Pkt., 5c; oz., 15c; 1/4 lb., 40c.

**MUSTARD.**

**Southern Giant Curled** — Highly esteemed in the South, where seed is sown in fall. Plants used very early in the spring as a salad. It produces plants about two feet high, and forms enormous bunches. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.

**White English** — Mild and tender when young; seed light yellow. OZ., 5c; 1/4 lb., 15c; lb., 40c.

**Brown or Black** — OZ., 5c; 1/4 lb., 15c; lb., 40c.

**OKRA, OR GUMBO.**

One ounce sows thirty feet of drill.

**Tall** — Five or six feet; very productive. Pkt., 5c; oz., 8c; 1/4 lb., 20c.

**Dwarf** — Early and abundant bearer. Pkt., 5c; oz., 8c; 1/4 lb., 20c.

**White Velvet** — Round, smooth pods, unlike other sorts which have ridged pods. This variety has the largest sized pods of any, and are not prickly. Produces in great abundance. Pkt., 5c; oz., 8c; 1/4 lb., 20c; lb., 65c.

**HERBS.**

Herbs delight in a rich, mellow soil. Sow the seeds early in the spring, in shallow drills, one foot apart. When up a few inches thin out to proper distances. Care should be taken to harvest them on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in dry boxes to exclude the air entirely.

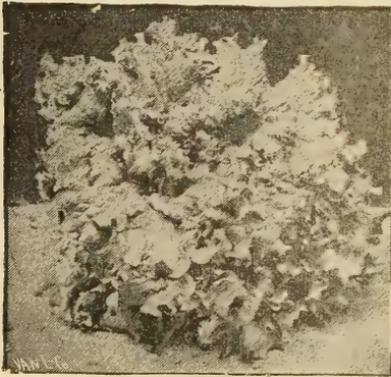


- ANISE ..... Pkt., 5c; oz., 10c
- BALSAM APPLE ..... Pkt., 5c
- BASIL, SWEET ..... Pkt., 5c; oz., 15c
- BORAGE ..... Pkt., 5c; oz., 20c
- CARAWAY ..... Pkt., 5c; oz., 10c
- CORIANDER ..... Pkt., 5c; oz., 10c
- DILL ..... Pkt., 5c; oz., 10c
- FENNEL, SWEET ..... Pkt., 5c; oz., 10c
- HOARHOUND ..... Pkt., 5c; oz., 25c
- LAVENDER ..... Pkt., 5c; oz., 20c
- ROSEMARY ..... Pkt., 5c; oz., 40c
- RUE ..... Pkt., 5c; oz., 20c
- SWEET MARJORAM ..... Pkt., 5c; oz., 20c
- SAFFRON ..... Pkt., 5c; oz., 10c
- SAGE ..... Pkt., 5c; oz., 25c; lb., \$2.00
- SAVORY SUMMER ..... Pkt., 5c; oz., 10c
- THYME ..... Pkt., 5c; oz., 40c
- WORMWOOD ..... Pkt., 10c

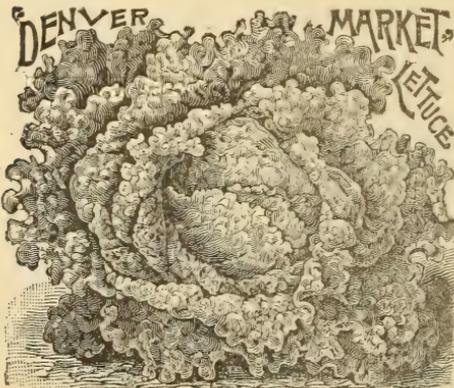
**LETTUCE.***One ounce of seed to 2,000 plants.***CURLED SIMPSON.**

**Early Curled Simpson**—Forms a mass of curly, oblong leaves, light green in color; good for first early crop. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**Black Seed Simpson**—Forms a large mass of beautiful, crisp, curly leaves, very light in color; one of the best for growing under glass. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

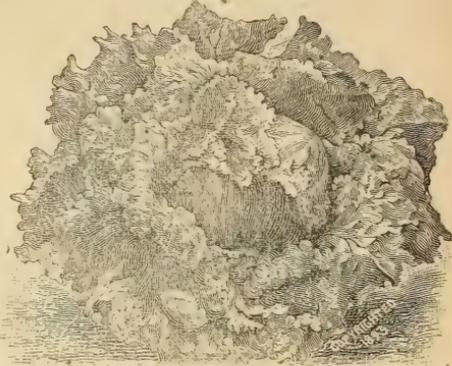
**GRAND RAPIDS.**

**Grand Rapids**—This is specially adapted for greenhouse culture in winter. It is beautiful in appearance, a strong grower, very tender and crisp and free from rot. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.



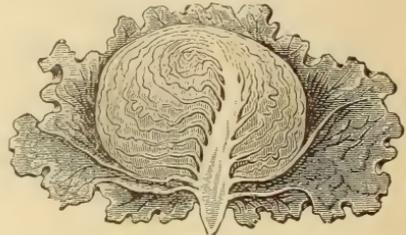
**Denver Market**—An early variety of head lettuce, good for use in the greenhouse or open ground. It forms a large solid head of light green color. The leaves are beautifully wrinkled and are very crisp and tender. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

**Prize Head**—Especially desirable for home gardens. Too tender for market unless delivered direct to the consumer. A large plant, deep green, washed with red, giving it a bronze appearance. Forms a dense mass of leaves, which are frilled at the edges and blistered. Very crisp, tender, and good flavored. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**THE ICEBERG.**

**The Iceberg**—A quick growing head variety, having incurving leaves, which protect the heads from the sun, making it a good variety for summer as well as spring use. The little indents in the leaves which retain drops of dew gives it a freshness not attained by most varieties. A very crisp, long standing sort. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c.

**Early Tennis Ball (SEED BLACK)**—A first class Head Lettuce, and one of the best for forcing under glass or early planting outdoors. Plants medium size, having thick dark green leaves, and when well grown forming compact, solid heads, which blanch easily and are crisp and tender. Should not be planted in the hot weather of summer, as it then runs to seed quickly. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**IMPROVED HANSON.**

**Improved Hanson**—The heads grow to a remarkable size and are deliciously sweet, tender and crisp, even to the outer leaves. It is free from any unpleasant or bitter taste; not recommended for forcing, but for outdoor cultivation rarely equaled. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**White Cabbage**—Very tender, large, solid greenish white heads; stands heat extremely well. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Defiance Summer**—A large growing Cabbage Lettuce, unexcelled as a long standing sort during summer. The leaves are of a light green color, and it remains for a long season tender and crisp. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

**Crisp as Ice (BRONZE HEAD)**—The glossy leaves are thick and nicely crimped like a fine curled Savoy Cabbage; outside they are beautifully variegated with bronze and green. The heads, when cut open, have a rich creamy yellow heart. An exceedingly superior family and home market lettuce, but on account of its extreme tenderness it is unfit for shipping or handling in large bulk. Pkt., 5c;  $\frac{1}{2}$  oz., 10c; oz., 20c.

## MUSKMELON.

**Use Slug Shot for the Bugs; 5 lb. packages, not prepaid, 35c; 10 lb. pkg., 60c.**

*One ounce of seed for 30 hills; 2 to 3 lbs. for an acre.*

**Jenny Lind**—Extra early, small and sweet as honey. Pkt., 5c; oz., 10c.

**Skillman's Fine Netted**—Small, early, with light green flesh, thick and sweet, and high flavored. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Netted Gem**—One of the earliest and best small melons grown. Globular in shape, very uniform in size and weight, flesh light green and of very fine flavor, exceedingly productive and will keep for nearly a week after picking; excellent for crating to ship. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**Emerald Gem**—One of the sweetest melons in the list. Comes into bearing about same time as Netted Gem, but has a rich yellow flesh. As indicated by its name, it has a dark green rind only slightly netted. This is the only extra early variety having salmon flesh. The flesh is very thick, juicy and sweet. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

**Champion Market**—This is a fine green fleshed melon; just the right size for market, being neither too large for handling nor too small to bring a good price. Globular in shape, closely netted, handsome in appearance, medium early, very productive. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c; 5 lbs. (not prepaid) for \$2.00.

**Baltimore Nutmeg**—Uniform, good inequality and excellent flavor. Medium in size, oval and slightly ribbed, covered with a coarse netting, flesh thick, green, sweet; a good shipper. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Jersey Belle**—One of the largest early sorts. It does well on light soils and comes equally early. It is slightly flattened on both stem and blossom sides, heavily ribbed and netted. It sells at sight, but when once used its exquisite quality makes firm friends of all. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Early Green Nutmeg**—The old original Nutmeg, and one of the very best; highly scented flesh, thick, sweet and, fine flavored; of good size and quite early. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.



PERFECTION.

**Perfection**—This variety has given general satisfaction on account of its extra fine quality. It is of the nutmeg shape and quite large size, five to eight pounds each. The skin is of a dark green color, heavily netted, and on this account are very salable. Flesh is very thick and of a salmon color, of very rich, sweet flavor. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c; 5 lbs. (not prepaid) \$2.00.



CHAMPION MARKET.

**Montreal Market**—The fruit is of the largest size, almost round, deeply ribbed, skin green and densely netted, flesh very thick, light green and of fine flavor. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

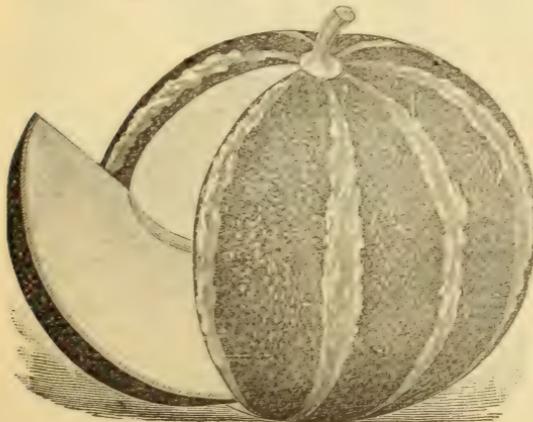
**Banana**—Yellow fleshed. Skin straw color; flesh quite thick and a rich salmon color. Grows from two to three feet in length; is early; reminds one of an overgrown banana. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c.

**Bay View**—Green flesh, oblong, very sweet, large size. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Casaba, or Long Persian**—Similar to Bay View. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Grand Rapids**—An early market melon; well netted and attractive. Extremely early for one so large. Flesh a pure salmon color almost to the outside. The fruit is of two shapes, oblong and round. Its extra large size, earliness and attractive appearance makes it a good selling variety, and is therefore recommended to those who grow for market. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Surprise**—Distinct cream colored skin, salmon flesh; fine quality. Pkt., 5c; oz., 10c.



OSAGE.

## OSAGE.

The skin is dark green, slightly netted on the lobes of the upper side; on the lower side, resting on the ground, it is smooth, and on this side it is eatable to within one-eighth inch of the outside. The flesh is of a rich salmon color. It is of medium size, never too small, very even and extra heavy, as the seed cavity is very small. It is sure of making a crop every year, and every specimen of delicious flavor. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

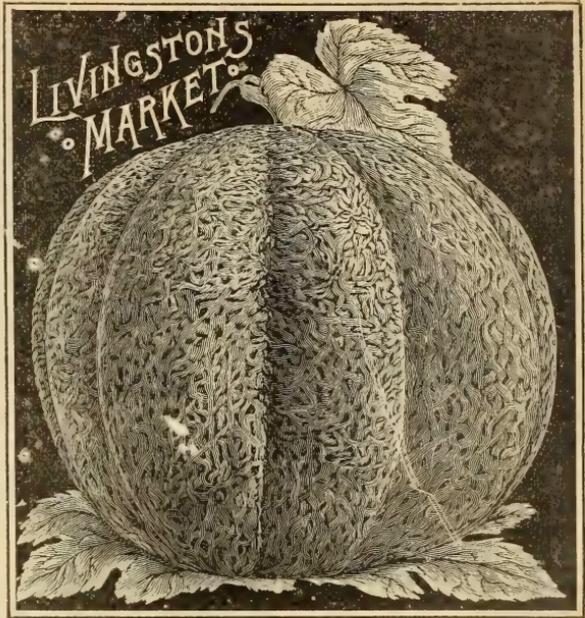
**MUSKMELON.**

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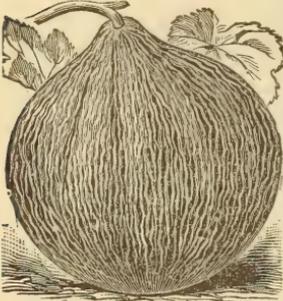
**Livingston's Market**—This sort is extra strong at the blossom side, and does not crack so badly as some. It has green flesh, same as Extra Early Hackensack, and will no doubt take the lead among green fleshed sorts. It is nicely netted, is productive, comes immediately following the little early varieties. It is worthy a liberal trial by private growers as well as the gardener or trucker. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 70c.

**Extra Early Hackensack**—One of the best general crop, green fleshed nuzeg now offered. Round, well netted, large size, flesh green and thick, delicious flavor, beautiful in appearance—has all the good qualities of Hackensack, and comes about two weeks earlier. Our stock of this is excellent. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c; 5 lbs. [not prepaid], \$2.00.

**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., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**LIVINGSTON'S NEW TIP TOP.**

This new sort is so distinct in appearance that it attracts attention. This feature is helpful to the farmer who grows them to sell, as his customers can readily pick them out, and he can easily establish a trade for them. They are uniformly good, early and late, big and little. We believe this is more true in regard to the "Tip Top" than any other kind of Muskmelon. The flesh is crisp, always sweet, and of a beautiful salmon color. When first introduced the netting was slight, but by careful selection a strain has been produced that yields specimens nearly netted. It is a very productive variety, the vine being a vigorous grower in all seasons. Try a patch of Livingston's Tip Top, and see if what we say is not true, every word of it. Price per pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Winter Pineapple**

As shown in the cut, the skin of this unique variety is corrugated instead of netted; and in color a rich yellow, tinged with green. The flesh is firm, light green in color, and has an agreeable pineapple flavor—very rich and melting. The most striking feature, however, is its wonderful long-keeping

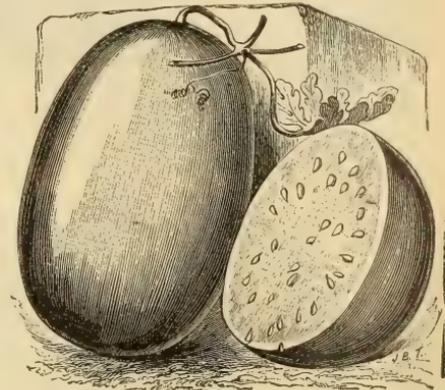
qualities. It does not ripen on the vine, but should be CAREFULLY gathered after the first frost and stored, the same as squash, in a cool, dry place, where they will gradually ripen. Bring them into a warm room a few days before wanted for the table. In this way they may be had up to quite late in the winter. Some specimens of this variety attain a size of 15 to 20 pounds, and are very odd and beautiful. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c.

**WATERMELON.**

Use Slug Slot to drive off Melon Bugs; 5 lb. package 35c; 10 lb. 60c. It must be sent by express or freight, at buyer's expense.

One ounce of seed for thirty hills. One to two pounds for an acre.

**Phinney's Extra Early**—The first to ripen, good size, flesh deep red; a first-class early market melon. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**FERRY'S PEERLESS.**

**Ferry's Peerless**—The best melon for private gardeners, and for market gardeners who deliver direct to customers. Hardy, productive; fruit medium sized, oval, finely mottled; rind thin; flesh bright scarlet, solid to the center, crisp and sweet. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c; 5 lbs., [not prepaid] for \$2.00.

**Fordhook Early**—The largest of the early varieties, often weighing upwards of 30 pounds; flesh deliciously sweet, and of a bright red color. The tough rind makes it valuable for shipping. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

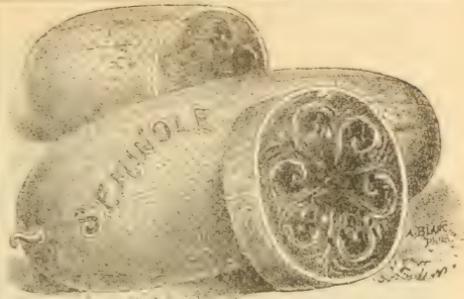
**Cole's Early**—For the home market this is a desirable early variety. It has a green rind striped with lighter shades. Rather oval in shape of good size. Flesh red, crisp and sweet. The quality is well sustained to the rind. A sure cropper, and early enough to be grown anywhere in the United States. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c.

**Dark Icing**—Round Peerless!—Is very solid, rind very thin and tough; highly prized as a shipper; seed white. A popular melon for main crop early market. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c; 5 lbs. (not prepaid), \$2.00.

**Pride of Georgia**—It is a dark green mottled color, nearly oval, slightly ridged, is firm, will ship well, attaining a large size and is very sweet and crisp. This variety is used by our largest growers for medium crop almost exclusively. Pkt., 5c; oz., 7c; ¼ lb., 15c; 1 lb., 50c; 5 lbs. (not prepaid), \$1.75.

**Ice Cream**—Medium early, white seed, fruit oblong, rind light mottled green; flesh bright scarlet, solid to the center, melting and delicious. Few, if any, surpass an Ice Cream for quality and productiveness. Pkt., 5c; oz., 7c; ¼ lb., 15c; 1 lb., 50c; 5 lbs. (not prepaid), \$1.75.

**Mountain Sweet**—Oblong, quite early, solid, large; rind thin, flesh deep scarlet; an old favorite for home gardens. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c.



**Seminole** Extra early, extremely productive, large, and of most delicious flavor. It is of two distinct colors, gray and light green; exactly the same in size, shape, color of seed and flavor, and are found on the same vine. Try this variety for use on the farm; it will not stand marketing in large quantities. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c.

**Cuban Queen**—A fine variety, growing to great size; flesh bright red, very solid and sweet. Enormously productive and an excellent keeper. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c.

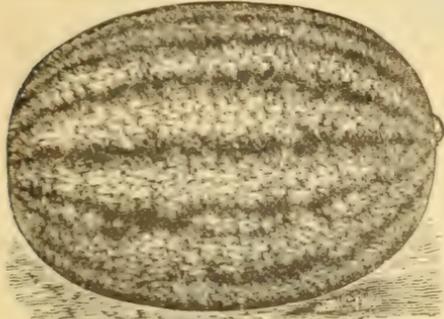
**Mammoth Ironclad**—Of immense size, handsomely marked, oblong in shape, flesh bright red and very solid, heart large and flavor delicious. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c.

**Sweetheart**—Highly recommended as a most desirable sort for shipping. Very attractive in appearance, very large a little longer than thick. Skin beautiful mottled green. Flesh bright red, firm and heavy, but crisp and sweet. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.

**Georgia Rattlesnake or Gipsy**—Very large, long and smooth and distinctly striped; flesh bright scarlet; a favorite shipping melon. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**Preserving Citron**—A round, handsome fruit, of small size; used in making sweetmeats and preserves. Pkt., 5c; oz., 10c; ¼ lb., 25c.

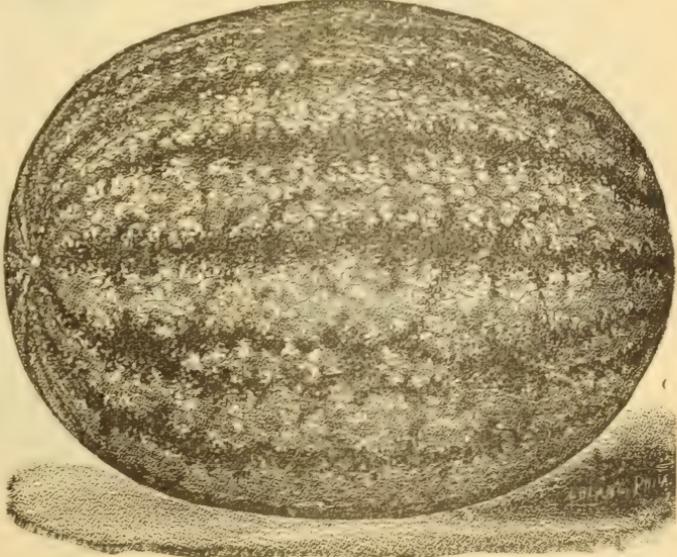
**McIver's Wonderful Sugar**—Deliciously sweet and melting. Claimed by the originator to be the sweetest melon ever sent out. Oblong in shape, and has a beautiful mottled skin. This variety produces good melons in either wet or dry season. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.



THE DIXIE.

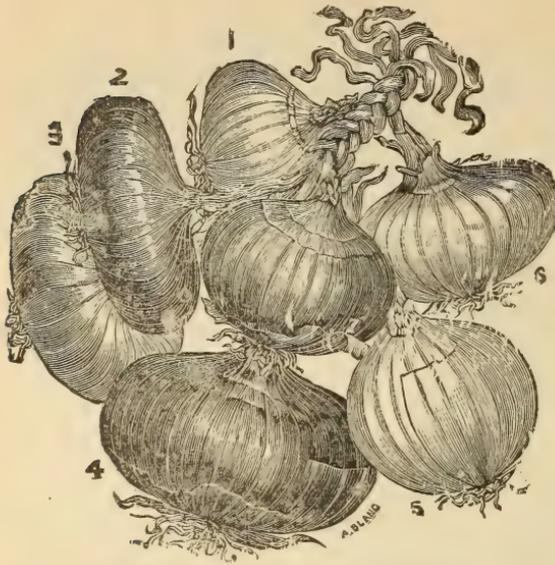
**The Dixie**—Possesses the desirable qualities of a good shipper, large size, handsome form, bright, fresh appearance; thin but firm rind, which will endure handling, and remains a long time before showing any signs of decay. It is a reliable cropper, the vines grow strong and very hardy, resisting cold and wet to a remarkable degree. Pkt., 5c; oz., 7c; ¼ lb., 20c; 1 lb., 60c.

**Kolb's Gem**—The Great Shipper—The rind, although quite thin, is very tough, standing handling and shipping long distances without breakage. The flesh is bright red and of excellent flavor; seeds dark. It is one of the largest, most productive, best keeping and shipping melons ever grown. A very large acreage of this sort is planted every year as a main crop. Our stock of this cannot be surpassed. Pkt., 5c; oz., 7c; ¼ lb., 15c; 1 lb., 50c; 5 lbs. [not prepaid], for \$1.75.



KOLB'S GEM.

**Slug Shot for Bugs.**

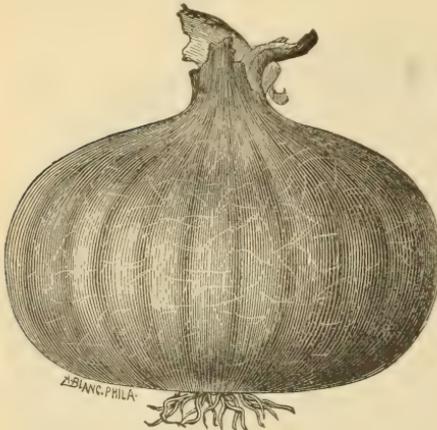


A BUNCH OF LIVINGSTON'S ONIONS.

No. 1, Yellow Danvers; No. 2, Extra Early Red; No. 3, White Portugal; No. 4, Large Red Wethersfield; No. 5, White Globe; No. 6, Yellow Dutch or Strasburg; No. 7, Large Red Globe.

**Yellow Danvers, Globe**—Extensively grown as main crop in the eastern states; of beautiful gold color, very productive; a first class keeper; bulb medium large, quite early, thick bottom, nearly flat, top oval; with small neck. See No. 1 in above cut. Pkt., 5c; oz., 7c; ¼ lb., 25c; lb., 75c; 5 lbs., not prepaid, \$3.00.

**Yellow Dutch, or Strasburg**—A flat yellow onion, a good keeper, later and larger than Danvers. Splendid sort from which to grow onion sets. See No. 6 in above cut. Pkt., 5c; oz., 7c; ¼ lb., 25c; lb., 75c; 5 lbs., not prepaid, \$3.00.



LARGE RED WETHERSFIELD.

**Large Red Wethersfield**—Dark red, a little more flat than the cut shows. This and the Southport Large Red Globe are the onions for the West. Is mild; good keeper; sells readily. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c; 5 lbs., not prepaid, \$3.50.

**White Portugal, or Silver Skin**—Ripens early, large in size, excellent for winter use; much esteemed for pickling when small, and splendid for growing sets, but should be sown very thick for this purpose. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

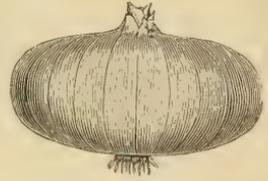
# ONIONS.

**THE NEW ONION CULTURE**—This new book is full of new, original and valuable matter of material interest to those who grow onions. By the new process here described two bushels or more can be produced on the same ground that now yields one. Price, 50c.

**CREORY ON ONION RAISING**—What kinds to raise and the way to raise them. Price, 30c.

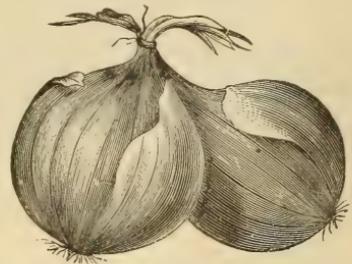
*One ounce onion seed sows 150 feet; four pounds to an acre.*

## AMERICAN VARIETIES.



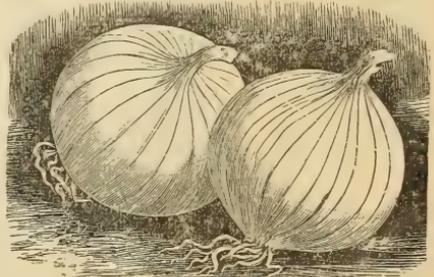
EXTRA EARLY RED.

**Extra Early Red**—A medium size, flat, red variety; a good yielder and very uniform in shape and size. It comes into use about two weeks earlier than the Large Red Wethersfield; very desirable for early market use and for sections where seasons are short. Pkt., 5c; oz., 7c; ¼ lb., 25c; lb., 80c; 5 lbs., by express, for \$3.50.



LARGE RED GLOBE.

**Southport Large Red Globe**—Matures a little later than Red Wethersfield. It keeps on growing longer, hence a heavier yielder. Is very round, beautiful, glossy, dark red in color and a good seller or keeper. Our customers are taking up with this variety very rapidly, as they find out how good it is. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c; 5 lbs., not prepaid, for \$3.50.



WHITE GLOBE.

**White Globe**—This variety yields abundantly, produces handsome globe-shaped bulbs; the flesh is firm and fine grained; a good keeper. When sown very thick it produces a fine, pure white set. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

**FOREIGN VARIETIES.**

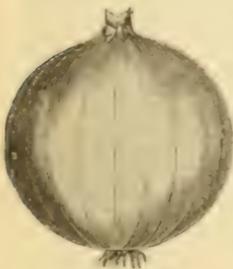
**White Barletta**—(A beautiful pickling sort)—The New Barletta is not only the smallest, but also the earliest onion grown; just right size for pickling. Color beautifully waxy white. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**Giant Rocca**—A very large, round, brownish yellow onion, of mild flavor. Can be grown to immense size if sown early in frame and transplanted. Pkt., 5c; oz., 15c;  $\frac{1}{2}$  lb., 40c; lb., \$1.50.



MAMMOTH SILVER KING.

**Mammoth Silver King**—Has silvery white skin, and flesh of a most agreeable, mild flavor. It matures quite early; a good variety to sow for the purpose of bunching, as they are ready for market almost as a crop grown by the use of onion sets. A large, flat, white variety, frequently measuring 20 inches in circumference, and often weighing three or more pounds. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.



PRIZE TAKER.

**Mammoth Prize Taker**—This beautiful sort is of a clean, bright straw color, grows to a uniform shape, which is perfectly round; has a small neck; ripens hard and fine, with very few, if any, stiff necks. It attracts marked attention on account of its remarkable size, and brings a high price. It is very productive, has been known to produce as high as 700 bushels per acre. It is a very good keeper for one so large.

The seed we offer is American grown and far superior to the cheaper imported seed offered by some, because onions grown from imported seeds are not so solid, and therefore will not keep so well. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.50.

**Copper King**—This variety is the largest red onion grown. It is fine and mild in taste. With the two varieties above mentioned a combination is formed which wins prizes at all fairs for all colors. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 50c.

**ONION SETS.**



The earliest onions to be pulled green are produced from sets, and are advised for the amateur or kitchen garden, as they are of least trouble.

**Red Top or Button Sets**—Pt., 15c; qt., 30c.

**Yellow Bottom Sets**—Pt., 15c; qt., 30c.

**Red Bottom Sets**—Pt., 15c; qt., 30c.

**Winter or Egyptian Sets**—Pt., 10c; qt., 20c. Hardy.

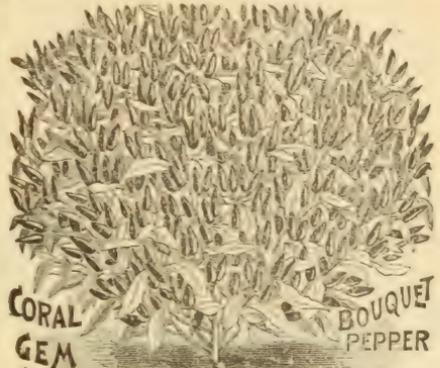
**Potato Onion Sets**—Pt., 20c; qt., 35c.

Write for prices on onion sets by the bushel.

**PEPPERS.**

One ounce of seed to 1,500 plants.

Mix a tablespoonful of manure from the chicken coop into the soil around a pepper plant; then watch it "get up and hump itself" growing.



**Coral Gem Bouquet**—A very fine small variety. Is used in making pepper sauce, as the very small bright red pods of this variety are extremely hot. The plant itself, when filled with the numerous bright red little pods, is like a bouquet of flowers; hence its name. A plant grown in a flower pot or box is quite ornamental. Some gardeners grow this variety for market, to sell by the bush; in this way avoiding the necessity of picking the pods. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**Long Red**—Beautiful and productive, four inches long and a half inch or more in diameter; flesh thick and hot. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.



**Cayenne**—Small and very hot. The Cayenne Pepper of commerce. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 25c.

**Large Bell or Bull Nose**—An early variety, of mild flavor, the rind thick and fleshy. A standard sort. We sell more of this than any other variety for making Mangoes. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.00.

**Large Sweet Mountain**—Very large, and excellent for Mangoes. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**Mammoth Golden Queen**—An improved variety of a very large yellow sort, of fine shape, mild and unexcelled for Mangoes. Pkt., 5c; oz., 35c.

**Mammoth Ruby King Mango**—The largest of all varieties. They grow four to six inches long by three to four inches thick. When ripe they are beautiful, bright, ruby red color, and are always remarkably pleasant and mild. The plant is of a sturdy, bushy habit, if planted on soil a little poor, which is best for this sort. Pkt., 5c; oz., 25c.

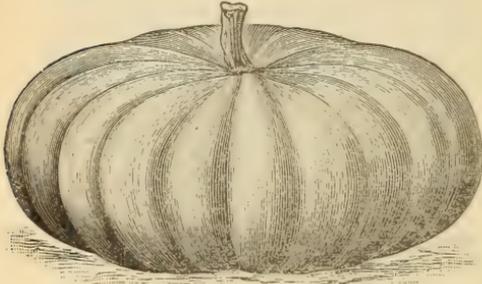
## PUMPKIN.

Pumpkins are generally raised in a field of corn or 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 15 hills; one pound for an acre.

**Livingston's New Thanksgiving**—See novelty list. Pkt., 10c; 3 pks., 25c.

**Large Common Yellow Field**—Grown principally for feeding stock. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 25c; 5 lbs., not postpaid, 75c.



### LARGE SWEET CHEESE.

**Large Sweet Cheese**—Excellent for pies. Productive, flesh yellow and sweet, keeps well into the winter. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c; 5 lbs., not postpaid, \$1.75.

**Sweet or Sugar**—Fruit quite small and round. A very prolific variety and superior for pies and table use. The skin is a deep orange yellow, an excellent keeper. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Genuine Mammoth or True Potiron**—This is the big pumpkin on which there is often offered prizes for the largest one grown. It has grown to 200 lbs. and upward. It is a curiosity, and also of practical value in feeding to stock. The weight of pumpkins produced on an acre is something enormous. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



## PARSNIPS.

One ounce to 100 feet of drill, 5 or 6 pounds for an acre.

If you want parsnips to grow short don't plow too deep.

**Large Sugar or Hollow Crown**—Roots long, white, smooth, sugary, excellent flavor. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Guernsey**—Thought to be an improvement by some, as they grow shorter than Hollow Crown. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c.

## PARSLEY.

One ounce to 150 feet of drill.

**Double Curled**—A fine dwarf variety. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Champion Moss Curled**—Very beautifully crimped and curled. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 70c.

**Fern Leaved**—A very beautiful variety, very desirable for table decoration. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

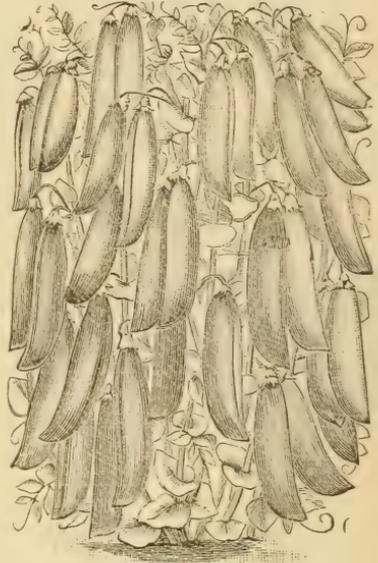
## LIVINGSTON'S GARDEN PEAS.

We have these grown as far north as possible, so they will come into bearing sooner, and are free from bugs. They are grown by men who make a business of it.

Quart and pint prices on Peas include postage; if to go by express at buyer's expense, deduct 15 cents per quart, or 8 cents per pint from prices below. Half pints will be sent at pint rates.

One quart sows eighty feet of drill, 2 to 3 bushels to the acre.

**Extra Early Alaska**—This variety is several days earlier than most early sorts, of good size and productive. The vines grow about  $1\frac{1}{2}$  to 2 feet high. It is the one for market gardeners to grow for the first few days before the larger sorts begin to come in. Pkt., 5c; pt., 20c; qt., 35c; pk., 80c; bu., \$3.00.



### LIVINGSTON'S FIRST IN MARKET.

**Livingston's First in Market**—A variety coming only a few days later than Extra Early Alaska, but having a larger pod. Is used in large quantity by market gardeners for an early market sort, as it is more hardy than the wrinkled kinds, although not quite so sweet, yet it can be planted in colder ground and not rot, when a wrinkled pea might. For those who grow for the home market alone it would be best to take American Wonder or Premium Gem. The First in Market grows to 18 inches or 2 feet in height, stands up well and requires no brush. Has pods of good size and always well filled. The entire crop can be picked almost at once and the ground can be immediately planted to a second crop. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.50.

**First and Best**—Extremely early, productive, and ripen all the same time. Pkt., 5c; pt., 20c; qt., 35c; pk., 80c; bu., \$3.00.

**Tom Thumb Dwarf**—Of remarkably low growth; seeds white, pods contain 5 or 6 peas. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00.

**American Wonder**—This variety planted in June has matured in 33 days. It is of dwarf and robust habit, growing from ten to fifteen inches high, and produces a profusion of good sized and well filled pods of the finest flavored peas. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.10; bu., \$4.25.



**Nott's Excelsior**—A grand new extra early Dwarf pea. A day or two later than Am-ri-an Wonder, but pods are one-third bigger; six to eight large, luscious peas in a pod. They are of the green, wrinkled kind, very fine flavored and tender. Without doubt the finest extra early pea in cultivation. Nott's Excelsior deserves a liberal trial. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; pk., \$1.15; bu., \$4.50.

**McLean's Little Gem**—A dwarf green wrinkled variety, twelve to fourteen inches high; no sticks required; very prolific; of superior flavor. Matures in about fifty days. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.10; bu., \$4.25.

**Extra Early Premium Gem**—A very fine dwarf pea of Little Gem Type, on which it is an improvement, bigger pods and more productive. The best and most profitable early wrinkled pea for market gardeners, and for family gardens there is none better. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.10; bu., \$4.25.

### MEDIUM EARLY SORTS.

**McLean's Advancer**—A green, wrinkled variety, about two and a half feet high, with long pods, which are abundantly produced and well filled to the end. The best second early; excel-

**NOTT'S EXCELSIOR.**

lent flavor. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

**Carter's Stratagem**—A green, wrinkled pea; height two feet; vigorous, branching, remarkably luxuriant foliage, an enormous cropper. Pods long, well filled, with seven to nine peas of enormous size. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.35; bu., \$5.00.

**Abundance**—Plants half dwarf, fifteen to eighteen inches high; pods large size, containing six to eight wrinkled peas of excellent quality. Sow the seed much thinner than usual, as it has a remarkable tendency to branch. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.15; bu., \$4.00.

**Dwarf Sugar**—Grows about two feet high; productive, seeds shriveled; pods are broad, flat, and contain five or six peas; used either shelled or cooked in the pods like string beans; very tender and sweet. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00.

**Melting Sugar**—You eat the pods. Ahead of all the edible podded sorts in high quality. Pod large, tender and stringless. You use them same as string beans. Very productive, of branching habit. The best variety of this class. Pkt., 5c; ½ pt., 15c; pt., 25c; qt., 40c; pk., \$1.25.

**Heroine Pea**—A medium early green, wrinkled pea, bearing immense pods, which are slightly curved and filled with eight to ten peas, of the largest size and finest quality. An immense cropper, and more sure than Stratagem, which the Heroine will, no doubt, in time take the place of. In time of ripening it follows Little Gem. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 40c; pk., \$1.15; bu., \$4.50.

**Carter's Telephone**—Green, wrinkled; height 3½ feet; foliage luxuriant, productive; pods unusually large size, elegant shape, slightly curved, well filled with peas of large size, good quality. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.10; bu., \$4.00.

**Everbearing**—Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large and very tender, of superior flavor. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

### LATE SORTS.

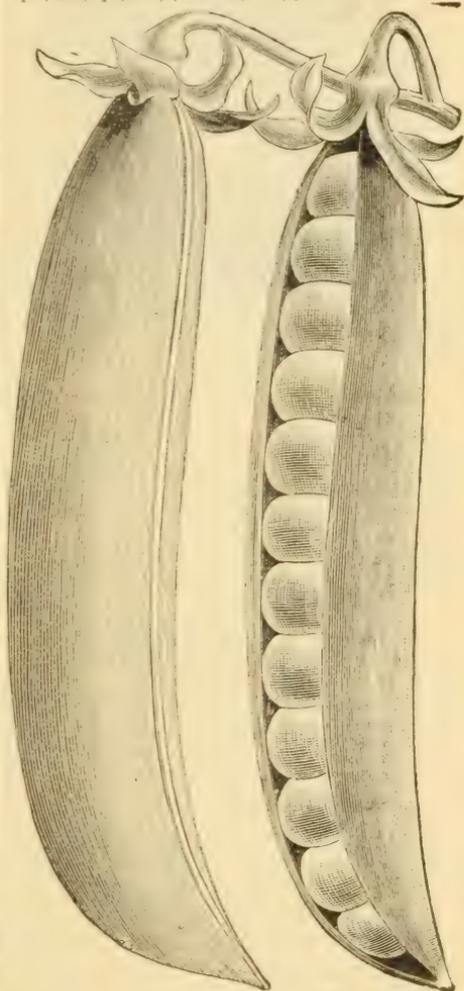
**Tall Sugar**—Similar to above, but taller and more productive; very sweet. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00.

**Yorkshire Hero**—A large, wrinkled pea, sometimes called Dwarf Champion; branching habit, abundant cropper, and of excellent quality; height two and a half feet. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.50.

**Champion of England**—Universally admitted one of the best peas grown; delicious flavor, profuse bearer, four feet. Pkt., 5c; pt., 20c; qt., 35c; pk., 90c; bu., \$3.50.

**Marrowfat—Black-Eyed**—An excellent variety either for garden or field culture; grows about four feet high, with large, well filled pods; a popular market variety. Pkt., 5c; pt., 15c; qt., 30c; pk., 60c; bu., \$2.00.

**Marrowfat—Large White**—One of the oldest varieties in cultivation and a favorite market sort; it grows about four feet high, with very broad pods, well filled, of excellent quality. Pkt., 5c; pt., 15c; qt., 30c; pk., 60c; bu., \$1.75.



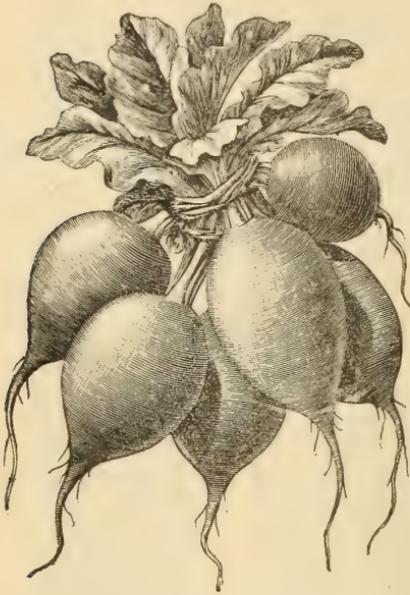
HEROINE.

Ira T. Stanley, Madison Co., Iowa, writes, March 30, '07: "Your seeds always give good satisfaction."

# RADISHES.

All the varieties thrive best in a light, sandy loam. For early use sow in the hot bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be got 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 sows one hundred feet of drill; eight to ten pounds for an acre.



EARLY SCARLET GLOBE

**Early Scarlet Globe**—Is very early, handsome in color, flavor mild, crisp, juicy and tender. It is a market gardener's favorite as a round forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**French Breakfast**—A variety of quick growth, very mild and tender, and one of the best for forcing. Oval form, scarlet tipped with white. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

## CINCINNATI MARKET.

Acres of glass are devoted to growing this variety at Cincinnati, Ohio. Many "Glass Gardeners" near that city depend almost exclusively on it for their main money crop. But we would especially advise its use as a first early crop-sown in the open ground. **Tops are small**, allowing of very close planting. The

### Handsome Long Radish in Cultivation.

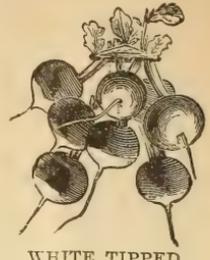
Grows smooth and straight six to seven inches long; very attractive; glossy, scarlet, thin skin. **Flesh crisp** to a surprising degree, and as it stands a long time before getting soft, it is especially desirable for the garden. A trial is convincing. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 90c.

### LADY FINGER (Long White Vienna).

The finest early summer variety grown—pure pearl white, almost transparent. Stands longest of any and is crisp and sweet. Our gardeners tell us they can pull choice specimens of Lady Finger Radishes for a month or more. Every family garden must have it. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

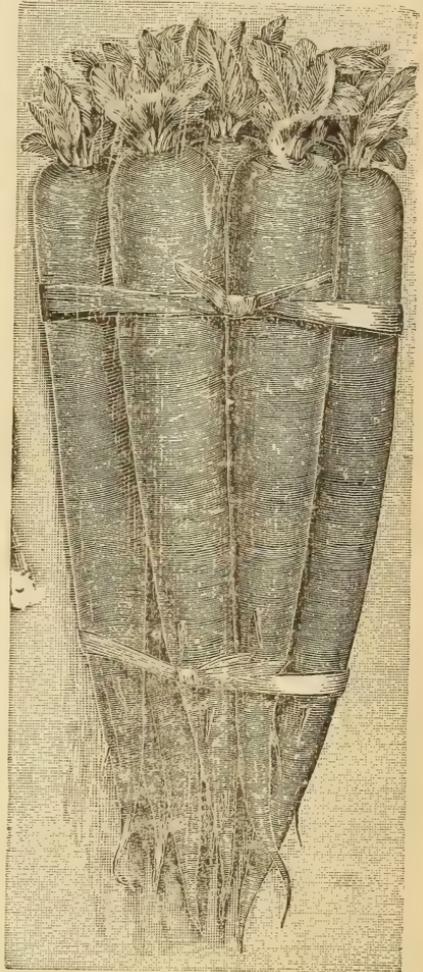
### White Tipped Scarlet Turnip—Rosy Gem—

This is an early variety of medium size, of excellent flavor and handsome appearance. A beautiful scarlet on top, shading to pure white at the bottom. Very popular in some of our large markets; used in quantity for forcing in greenhouse and hot beds, and a splendid sort to grow in small home garden. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.



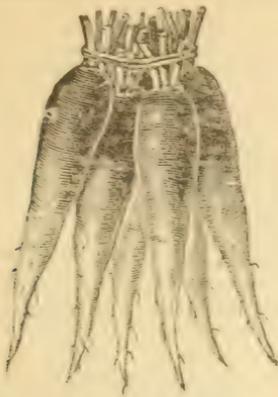
WHITE TIPPED SCARLET TURNIP.

**Early Scarlet Turnip**—In great demand for home consumption. Small round, deep scarlet, with a short top, delicate in flavor; good for early summer use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.



CINCINNATI MARKET.

Miss. Nora M. Townsend, Naegle, Mo., writes, Feb. 18, '97: "I send to you, as I know your seeds are good. I am well pleased with the seeds I got from you last season. (All proved true to name.) Also for your promptness in filling orders."

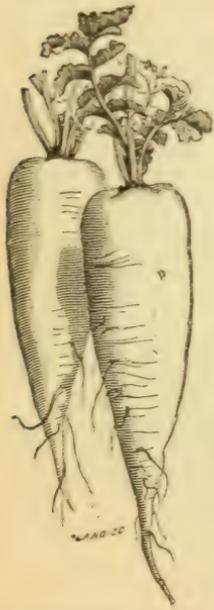


WOOD'S EARLY FRAME.

**Wood's Early Frame**—About ten days earlier than the Long Scarlet, which it very much resembles, although not quite so long. The best long variety for forcing in greenhouse or hot bed. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 30c.

**Long Scarlet Short Top**—An admirable sort for forcing; also the leading outdoor, quick growing sort both for private and market gardeners the country over. Average length about eight inches; grows half out of the ground; straight and uniform in color, which is bright scarlet; brittle and crisp; small top. None better for shipping in bunches. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 30c.

**White Box Radish**—Good size, short top, rapid growth, perfect turnip shape, extra fine quality, remains solid and juicy after fully grown. Its short top and rapid growth especially fits it for growing under glass. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



WHITE STRSBURG.

is firm, brittle and tender and possesses the most desirable character of retaining its crispness even when roots are old and large. Excellent for summer use, as it withstands severe heat and grows quick. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Long Brightest Scarlet White Tipped**—A bright scarlet color at the top and changing to pure white at the bottom. This variety attracts attention. It's very early, being ready for market in about 25 days; but, like all quick growing sorts, it must be used at once. Successive sowing would keep them in proper condition for the table. If you have not grown this variety its peculiar bright color will be a surprise. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**White Turnip**—Turnip shape and is of a pure white color and large. A fine early summer sort; won't get soft for a long time. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Golden Globe**—A choice summer variety, withstands heat and remains crisp; very round and hard; skin is of a beautiful golden color. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

**White Strsburg**—The roots are handsome, oblong, tapering shape; both skin and flesh are pure white. The flesh

**Giant White Stuttgart**—Very large, often four inches in diameter; skin white and crisp; those not used as a summer radish can be stored for winter use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



CHARTIER RADISH.

**Chartier Shepherd's**—A decidedly distinct exceedingly handsome and attractive variety. The color at the top is crimson, running into pink at the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table. It is undoubtedly one of the very best "all-season" radishes for open culture. It is ready for use or market as early as the Long Scarlet, and keeps crisp and tender for a long time. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Chinese White Celestial**—A fine winter radish of large size, having white skin and flesh, a good keeper, mild in flavor, brittle, never woody. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Chinese Rose Winter Scarlet China**—A brilliant rose colored winter variety of excellent quality, very attractive and one of the best. Is sometimes grown for summer market, and sold by the bushel. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Long Black Spanish**—Grows 6 or 8 inches long, and about 1  $\frac{1}{4}$  inches in diameter at top; skin black, flesh white and firm. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Round Black Spanish**—Similar to the above except in shape, which is in this one round. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**California Mammoth White**—Is 8 to 12 inches long and from 2 to 3 inches in diameter; white, solid and good flavor. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

## RHUBARB.

A deep, rich soil is best for rhubarb. Sow early in drill, 18 inches apart and 12 inches deep; the spring following transplanting, allowing each plant at least 2 feet square; each fall mulch with manure.

One ounce for about eight hundred plants.

**Victoria**—Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.

**Linnaeus**—Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 60c.

**Roots**—By mail, postpaid, each 15c; 4 for 50c.

By express, not paid, each 8c; dozen, 75c.

## SPINACH.



One ounce for 100 feet of drill. Ten to twelve pounds for an acre in drills.

**Savoy Leaved** ("Norfolk," "Bloomdale")—The earliest variety. Plants of upright growth, with fine leaves, which have the appearance of the Savoy Cabbage. It comes quickly to a suitable size for use. Recommended for fall sowing. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 25c.

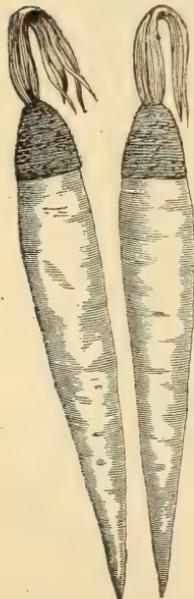
**Long Standing**—An improved strain of excellent merit, having all the good qualities of the ordinary sorts; especially desirable for market gardeners, because it is much later in going to seed than others. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 25c.

**Round Leaved**—The favorite for winter use. Very hardy. It stands our severest winters with but little injury. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 25c.

**Viroflay, or Thick-Leaved**—Very large, thick leaves, and quite superior to the ordinary round leaf. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 25c.

**Prickly Seeded Winter**—Very hardy. Stands well in winter, therefore the best for northern latitudes where the winters are very severe. Oz., 5c;  $\frac{1}{4}$  lb., 10c; lb., 25c.

Five pounds any kind Spinach or assorted, by express, for 75c.

SALSIFY (*Vegetable Oyster*).

The long, white, tapering root of Salsify resembles a small parsnip, and when properly cooked is a good substitute for oysters in taste and flavor, is very wholesome and nutritious. The roots are boiled or mashed and made into fritters. It succeeds best in a light, well-enriched soil. 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, but should be dug early in the spring. Store a quantity for winter use. They are best after frost has touched them.

One ounce for 50 feet of drill.

**Long White**—A standard variety. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 90c.

**Mammoth Sandwich Island**—A very large and superior variety. Mild and delicately flavored. Pkt., 5c; oz., 16c;  $\frac{1}{4}$  lb., 30c; lb., \$1.00.

Mrs. M. Owens, Union Co., Iowa, writes: "Please send good cabbage seed. I did not not order seeds last year, and I regretted it very much, for nothing grew that I bought here."

MAMMOTH SANDWICH ISLAND.

## SQUASH.

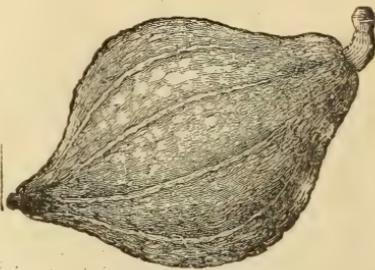
Use Slug Shot for Bugs; 5 pound package (not prepaid) 35c; 10 pounds, 60c.

One ounce of the bush variety for forty hills, or of large seeded running kind, fifteen hills; two to three pounds of one, and three to four pounds of the other, for an acre.

**Mammoth White Bush Scallop**—Early, of large size, and it is a continuous bearer. A pearly white, making it very saleable. A splendid variety for the southern shipper. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Early Golden Scallop Bush**—Pattypan in shape, in color yellow. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

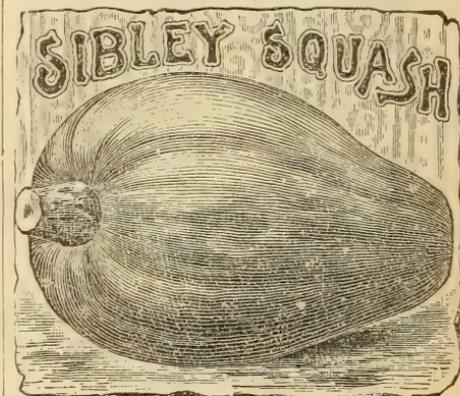
**Giant Summer Crookneck**—This magnificent strain grows to a very large size, and yet is earlier than the common variety. A profitable sort, because it grows to large, marketable size very quickly. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



HUBBARD.

**Hubbard**—Generally considered the best winter squash grown; the flesh dark yellow, fine grained, dry and sweet, very hard, warty shell; will keep till spring; very productive; color dark green when ripe. We offer a very carefully grown stock. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c.

**Livingston's Cushaw**—(Crookneck)—A rich and very popular sort. Color of skin green and white striped. The old fashioned Cushaw squashes of our forefathers, only improved in productiveness and quality; flesh yellow. Splendid for pies. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.



**Sibley or Pike's Peak**—This sort is growing rapidly in favor. The flesh is solid, thick, orange in color, dry, fine grained and of delicious flavor. Very prolific, ripens fruit evenly, keeps till spring. The shell is pale green in color, very flinty, making a good shipper. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

We can also supply the following varieties: Early Prolific Marrow, Boston Marrow, American Turbin, Marblehead, Early White Bush Scallop Pattypan, Yellow Sunner Crookneck, Essex Hybrid, Fordhook, Mammoth Chili and Faxon, at the uniform price 5c—Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 45c.

## LIVINGSTON'S TOMATOES.

So popular have these become that not an American seed catalogue is complete without them. They "cover the whole ground" from early to late sorts, and every one is perfect. Introductions by others are simply a matter of remaining some of ours. The sales of varieties of our introduction now aggregate several tons annually. We carry seed grown from our original stock only; buying from us you take no risk.

### LIVINGSTON AND THE TOMATO.

A book written in very readable style, not only telling all about Tomatoes, but giving quite a biography of the author himself. It tells how to prepare the soil, best kinds to use, management of hot beds, culture in the field, staking up, insect enemies, diseases, remedies, harvesting, shipping, selling, profits, the different uses, etc. Handsome cloth binding, gilt title, profusely illustrated, on finest paper, 176 pages. Price, post-paid, \$1.00.

**Yellow Prince**—Never offered before. See novelty list for full description.

**Livingston's "Honor Bright"**—Refer to Novelty List for full description, prices and picture.

**Atlantic Prize**—One of the earliest of all; not only ripens its first fruits, but a large proportion of the crop earlier than any other sort; valuable when earliness is the main object desired. Fruit small and sometimes rough. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

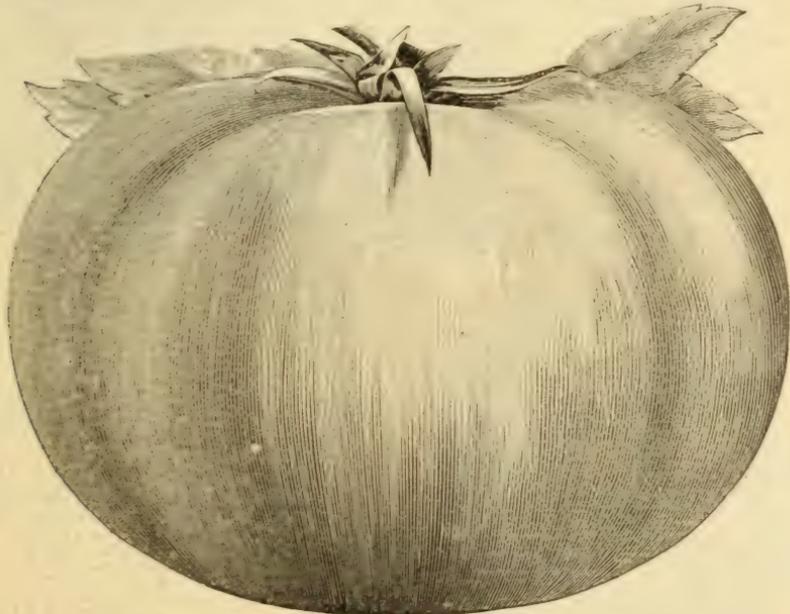
**Livingston's Early Acme**—The earliest good tomato grown. Fruit of medium size, round, very smooth; color a glossy dark red; ripens all over and



DWARF CHAMPION.

through at the same time; a delicate flavor. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**Dwarf Champion**—Quite distinct from anything in the tomato line. It stands up well, even when loaded with fruit, in consequence of having stiff, bushy stems. The foliage is of a dark green color, leaves thick and different from any other. The crop ripens up early and evenly, is a good cropper, smooth, medium in size, flesh color. Recommended as best for forcing in greenhouse and first crop in field. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 70c; lb., \$2.50.



### LIVINGSTON'S NEW HAWKEYE.

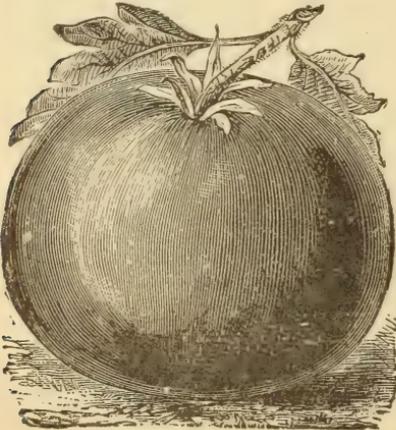
Comes quite early for one so large; bears till Fall. Perfectly smooth. Ripens all over and through the center the same day. No waste. Handsome. Glossy purplish Red. Sells on sight. Has solid meat and seed cells; few seeds. You get five or more cans from a bushel than from the old state sorts. It's just what you have been looking for—a great big, perfectly smooth Tomato; a can filler, a good seller. Try it. Pkt., 10c;  $\frac{1}{4}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$3.00.



**Livingston's Beauty** — The great table and market sort. The color is quite distinct, being a very glossy crimson, with a slight tinge of purple. It grows in clusters of four or five large fruits, retaining its large size till late in the season. It ripens very early; is a model in shape, being entirely free from rough specimens. It seldom cracks. For shipping and for early market it cannot be excelled on account of its solidity, toughness of skin, and especially on account of its color, as when picked quite green it will ripen nicely and look well. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 70c; lb., \$2.50.

**Livingston's Potato Leaf** — Fruit smooth and uniform in size; flesh-colored skin. Comes into bearing quite early, and the heavy potato-leaf foliage protects the fruit from early frosts in the fall. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c.

**Livingston's Perfection** — Large, early; has solid flesh and few seeds; produces large fruit at the close of the season; perfectly smooth; blood red in color. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.



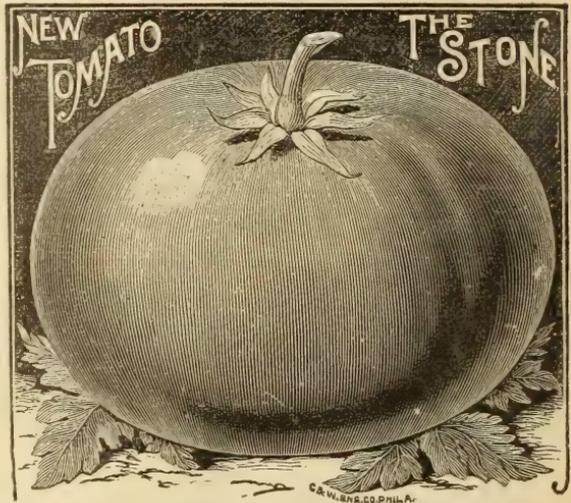
LIVINGSTON'S FAVORITE.

**Livingston's Royal Red** — A first class variety for the shipper, market and private gardener; of special merit to the canning and catsup factories, being of a bright red. It is solid and smooth, of uniform size. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Livingston's Gold Ball** — A beautiful, round, yellow variety. Flesh thick, of extra good quality; small size; smooth as an apple; grows in clusters; produces enormous crops. Fine for preserves. Pkt., 5c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.50.

**Livingston's Golden Queen** — A yellow sort of first class quality, so id. very smooth, large in size, ripens up early; is very handsome. None better for slicing; the handsome golden slices make a beautiful contrast in a dish with red ones. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.50.

**Ground Cherry, Strawberry or Husk Tomato** — This husk-enveloped tomato is unequalled for preserving and pies. Dried in sugar, as raisinor figs, or to for fruit cake, they are unequalled. It has a strawberry flavor, and produce fruit in great abundance. In sections devoid of fruit or liable to fail, they are esteemed very highly. Sell first rate in market. Fruit of a handsome golden color, the size of large cherries, esteemed by many to eat from the hand. Pkt., 5c; oz., 25c.



**Livingston's Stone** — For main crop; largest variety; bright, scarlet color; very smooth, ripening evenly to the stem; exceedingly solid and firm fleshed; excellent shipper; quality very best; fine for canning; a good keeper; without hard core. Attractive; very productive. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.50.

**Livingston's Paragon** — Has become a decided favorite with market gardeners and canners. It is a large sized variety. The meat is solid and well flavored; late; color deep red. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

**Livingston's Favorite** — Does not easily crack; in color it is a rich dark red, ripens up very evenly, and holds its size well to the end of the season. Very prolific, good flavor, few seeds, flesh solid, bears shipping long distance. A leading variety with canners; a heavy cropper, and having such a beautiful crimson-scarlet flesh so much desired by those who pack first class goods. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 60c; lb., \$2.25.

We can also supply the following varieties of Tomatoes: Trophy, Matchless, Mikado, Turner Hybrid, Buckeye State and Peach, at the uniform price of pkt., 5c; oz., 20c. Red Cherry, Yellow Plum, Yellow Pear and Red Pear, at, pkt. 5c;  $\frac{1}{4}$  oz., 15c.

Special prices on large quantities of Tomato Seed.

# TURNIP.

One ounce is sufficient to sow an acre.



## EXTRA EARLY WHITE MILAN.

**Extra Early White Milan**—The Purple Top Milan is one of our most popular turnips for spring sowing, but in this new sort we have a splendid extra early turnip in which the extreme earliness, small top and tap root of the Purple Top Milan is united with clear white skin and flesh. It is fit for use at least a week earlier than any other pure white variety in cultivation. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 85c.

**Extra Early Purple Top Milan**—Pearl white, with bright purple top; is round and smooth, with small roots and but few leaves; is mild, sweet, and remains in good condition a long time. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.



EXTRA EARLY MUNICH.

**Extra Early Purple Top Munich**—Very early with a bright, purplish red top and fine root; good only for early use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Early Flat Dutch or White Top Strap-leaved**—A standard variety; good size; pure white, small top with but few leaves. Is very sweet. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**White Egg**—A quick growing, egg shaped, perfectly smooth, pure white variety, growing half out the ground, with small top; particularly adapted for market purposes in summer. The flesh is very sweet, firm and mild. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Large Amber Globe**—One of the best varieties either for table use or for a field crop for stock. Flesh yellow, fine grained and sweet; color of skin yellow; hardy, keeps well, and grows to a very large size. Very popular south. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Large White Globe**—Is one of the most productive kinds; in good, rich soil, roots will frequently grow to 12 pounds in weight. It is of perfect globe shape, skin white and smooth. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Orange Jelly or Robertson's Golden Ball**—Undoubtedly among the most delicate and sweetest yellow fleshed turnips introduced. Not of large size, but firm, hard and of most excellent flavor. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c.

**Purple Top White Globe**—One of the best; of large size, has globe shaped bulbs, with red or purple top, fine quality. Very handsome and attractive for market. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**Sweet German**—Flesh white, hard, firm and sweet, and it keeps nearly as well as Ruta Baga. Recommended for winter and spring use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

**Purple Top Strap-leaved**—The well known popular variety, either for family or market use; large size, white, purple above the ground; flesh fine grained, and has a rich, buttery flavor. For a general crop we consider this variety far superior to all others. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 40c.



## SEEDS

TRUE TO NAME. PURPLE TOP STRAP-LEAVED.

## RUTA BAGA (SWEDISH TURNIP).

The Ruta Baga, Swedish or Russian Turnip, is extensively grown as a farm crop; the roots are close grained, very hard, and will endure a considerable degree of cold without injury; excellent for the table in early spring.



AMERICAN YELLOW PURPLE TOP.

**American Yellow Purple Top**—Very hardy and productive; flesh yellow, solid, sweet and fine flavored; the best variety for stock or table use. Pkt., 5c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

## TOBACCO.

Tobacco Culture—25c.

Sow the seed after all danger of frost is past, same as for lettuce-cabbage. Best way is to burn a brush heap then dig up and thoroughly pulverize the soil, mixing ashes and soil. Sow seed, cover very lightly, and when plants are about 6 inches high transplant to rows about 4 feet apart each way.

**Connecticut Seed Leaf**—Finest variety for wrappers. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 25c.

**Havana**—Genuine article. Pkt., 5c;  $\frac{1}{4}$  oz., 15c; oz., 25c.



TOBACCO.

### Remember Our Discount.

For 25c	we send 30c	worth packets.
For 50c	" "	65c " "
For \$1.00	" "	\$1.30 " "
For \$2.00	" "	\$2.75 " "

**FLOWER SEEDS!** In presenting our Flower Seed List for the coming season we offer only the most desirable and satisfactory varieties, those that will yield the largest returns for the least expense and trouble. By all means have at least one well tended flower bed the coming year. Make up your own collection at the following discounts:

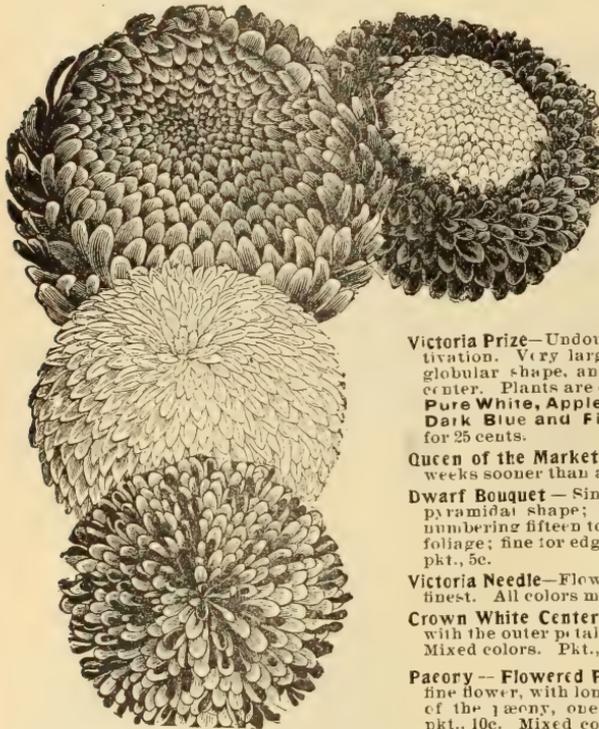
Send 25 cents and select **Packets** to the value of 30 cents.

Send 50 cents and select **Packets** to the value of 65 cents.

Send \$1.00 and select **Packets** to the value of \$1.30.

These rates do not apply to flower seeds offered by weight.

Our great **Introductory Collection**, to induce new customers to give us a trial order: 12 packets choice Flower Seeds (our selection) for 25 cents, stamps or silver. Tell your friends.



## ASTERS.

[FALL ROSES.]

Very beautiful and popular plants, growing from 10 to 18 inches high. For profusion of flowers and richness of display the Asters are unrivalled, and constitute the principal adornment of our gardens during the autumn. Sow the seed early in spring, under glass or in pots in the house, and transplant into rich soil, about one foot apart. Half hardy annual.

We are very careful to keep our stock of Aster seed up to the highest standard.

**Victoria Prize**—Undoubtedly the handsomest Aster in cultivation. Very large, flowers perfectly double and of globular shape, and with petals coming out from the center. Plants are of pyramidal form, 1 to 1½ feet high. **Pure White, Apple Blossom, Crimson, Light Blue, Dark Blue and Finest Mixed**; each, pkt. 10c; three for 25 cents.

**Queen of the Market**—These bloom about two or three weeks sooner than any other sort. **Mixed**, pkt., 5c.

**Dwarf Bouquet**—Single plant forms complete bouquet, pyramidal shape; covers itself with blossoms, often numbering fifteen to twenty flowers and entirely hiding foliage; fine for edging and small beds. **Mixed colors**, pkt., 5c.

**Victoria Needle**—Flower very large, quite early, one of the finest. All colors mixed. Pkt., 10c.

**Crown White Center**—The center of each is pure white, with the outer petals of bright colors; handsome shape. **Mixed colors**. Pkt., 10c.

**Paony**—Flowered Perfection—Large and remarkably fine flower, with long incurved petals, resembling those of the paony, one of the finest Asters. **Pure white**, pkt., 10c. **Mixed colors**, pkt., 5c.

**Large Flowered Rose**—Magnificent flowers in shape and size, of brilliant colors. Making a beautiful display during August and September. Can be relied upon to produce the finest flowers for exhibition purposes; eighteen inches high. **Mixed colors**, pkt., 5c.

**Comet—Poodle**—A handsome, new and very distinct class of Asters, resembling the Japanese Chrysanthemum in form of flowers. The petals are long and beautifully curved, of a delicate shade of pink, bordered with white, pink and other colors. **Mixed**, pkt., 10c.

**Dwarf Chrysanthemum**—Flowered—Of very compact growth; flowers from three to four inches

in diameter and very abundant; later than other varieties, therefore valuable for succession; one foot high. **Choice mixed**, pkt., 5c.

### MIXED ASTER SEED.

**Livingston's—Choice Mixed**—Including all of the above kinds. Pkt., 10c; 3 for 25c.

**Good Mixed**. . . . . Pkt., 5c

### MIGNON.

**Decidedly one of the finest Asters for Cut Flowers**—Resembles the Victoria in form; blooms very freely; very attractive in the garden, and lasts a long time after cutting. **White**, pkt., 10c; **Mixed**, pkt., 10c.

**ALYSSUM.**

A desirable hardy annual, flowering from early spring till killed by the frost, and all winter in the house, if sown in August. Flowers pure white and of a delicate fragrance. Most effective in masses and borders of beds. Useful in all kinds of small bouquets.



**Odorum Sweet**—Pkt., 3c; oz., 25c.

**Little Gem**—The plants are very dwarf, and each spreads so as to completely cover a space a foot in diameter. They soon become one mass of bloom, which is pure white, and remains from spring to fall. The little spikes of bloom are deliciously fragrant. Pkt., 5c.

**ACERATUM.**

Desirable in the garden, and prized by florists because it bears a great many flowers, and keeps in bloom a long time. Desirable for bouquet making. It blooms constantly all summer in the garden, and if removed to the greenhouse, all winter. Grows 1 1/4 feet high, and plants should stand 2 feet apart. Color light blue. Hardy annual.

**Mexicanum** Blue. Pkt. .... 3c



DOUBLE CAMELIA FLOWERED BALSAM.

**LIVINGSTON'S BALSAMS.**

(Lady Slipper or Touch-me-not.)

Our climate is well adapted to the growth of the Balsam, and with good rich soil and care, plants and flowers of the greatest excellence are produced. Sow in a frame or bed. Tender annual.

**Double Camelia Flowered, Improved**—As double as a rose, which they resemble; almost every shade of color. Pkt., 10c.

**Double Spotted**—Splendid mixed. Pkt., 5c.

**Common Double Mixed**—All colors. Pkt., 3c.

**BALLOON VINE.**

Is a curious half hardy annual. Sow seed under glass, and if planted in the garden find it a sheltered situation. Pkt., 5c.

**BACHELOR'S BUTTON.**

(CENTAUREA.)

Known also as Corn Flower, Blue Bottle, Ragged Sailor, etc. Fine for cut flowers. Hardy annual, 2 to 3 feet.

**Cyanus**—Pkt., 3c.

**Gymnocarpa**—White Leaved or Dusty Miller variety. Valuable for ribbon bedding; of silvery whiteness; half hardy perennial; 1 1/2 feet. Pkt., 5c.

**CANTERBURY BELLS**—(CAMPANULA.)

A well known free bloomer of great beauty; effective for beds or pot culture. Flowers of many colors, large bell-shaped. Succeeds best in light, rich soil. Sow seeds early, in the open ground; cover lightly, thin or transplant to twelve inches. Hardy biennial.

**Single Varieties**—Mixed. Pkt. .... 3c

**CANDYTUFT.**

Universally known and cultivated; considered indispensable for cutting. All the varieties look best in beds or masses. Seeds sown in autumn produce flowers early in the spring; when sown in April, flower from June to September and some of the sorts till frost comes. All the varieties are hardy and easy to cultivate; hardy annual; one foot high.



**White**—Oz., 20c; pkt. .... 3c

**Mixed Colors**—Oz., 20c; pkt. .... 3c

**Tom Thumb**—Only 4 to 6 inches; blooms freely from June till frost; fine for edgings. Pkt. .... 5c

**COLEUS.**

Highly ornamental plants, in an endless variety of colors and shading. Indispensable in edgings and carpet bedding, or as single specimens.

**Mixed**—Splendid collection. Pkt. .... 25c

**COBAEA.**

A fine rapid growing climber, with handsome foliage, and large bell shaped flowers, green at first, but rapidly changing to a beautiful deep violet blue. Seeds should be started in hot beds, 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 the soil becomes very dry.

**Scandens**—Pkt. .... 5c

**CACALLIA**—(TASSEL FLOWER).

Also known as "Flora's Paint Brush." Of easy culture; scarlet and golden yellow tassel-shaped; blossoms from July to October. Sow early in the spring. Hardy annual, 1 1/2 feet high; valuable for small bouquets. Mixed, pkt., 5c.

**COCKSCOMB**—(CELOSIA).

Highly ornamental plants. The scarlet and crimson are the most brilliant and rich. To produce fine combs the soil cannot be too rich; should be 3 feet apart. Tender annual, 2 feet high. Fine mixed colors. Pkt., 5c.

**CASTOR OIL BEANS**—(RICINUS).

Stately strong growing plants, with very ornamental foliage, particularly well adapted as center plants of groups of Cannas, Caladiums, Dahlias, etc.; of very quick growth in rich soil. Plant where they are required. Tender annual, 4 to 15 ft. high.

**Common**—Oz., 5c; pkt., 3c.

**Giganteus**—Of mammoth size. Oz., 15c; pkt., 5c.





CARNATION PINKS.  
CARNATION PINKS.

This lovely flower, known to everybody, succeeds in light, rich soil, and will give better results from seed than if grown from slips of old plants. The seed we offer is from the best German growers, and cannot fail to please any one.

Extra Choice Mixed—Pkt., 10c.

New Marguerite—This grand new variety has caused quite a sensation among florists and all lovers of flowers. With its introduction we can now have this exquisite flower in bloom, with all its sweetness of perfume, coloring and shapeliness, in four months from seed. Pkt., 5c.

**CALENDULA—(POT MARIGOLD).**

Free blooming and attractive plants, growing well in all situations; from one to two feet in height. Hardy annual.

Fine Mixed—Pkt. .... 3c

Prince of Orange—Florets are striped with a very intense orange; a profuse bloomer. Pkt., 3c

**CYPRESS VINE—(IPOMŒA).**



A most beautiful climber, with delicate dark green feathery foliage, and an abundance of bright, star-shaped, rose, scarlet and white blossoms, which in the bright sunshine presents a mass of beauty. Planted by the side of veranda, tree or stakes, and trained properly, nothing is prettier. The seeds will sprout more readily if very warm water be poured on the ground after sowing.

Scarlet and White Mixed—Pkt. .... 3c

For 25 cents we send 50 cents worth packets.  
For 50 cents we send 65 cents worth packets.  
For \$1.00 we send \$1.30 worth packets.

**CANNA.**

The Cannas are desirable, not only for the beauty of their spikes of flowers, but for their highly ornamental leaves. They make superb beds for the lawn, giving our grounds in the north a tropical appearance exceedingly pleasant. There are several varieties; the leaves of some being entirely green, while in others the leaf-stem, midrib and veins are red. In cold climates it is well to grow young plants in pots under glass. Soak the seeds thoroughly before planting, and keep in a warm spot; or, better, take a file and cut through the outside covering, so as to let the moisture inside and thereby hasten germination. The roots can be kept in the cellar over winter.



CROZY'S DWARF FRENCH CANNA.

Crozy's Large Flowered Dwarf French—(Dwarf in habit). Early bloomers; very remarkable for beauty of both foliage and flowers; excellent also for growing in pots and forcing. Mixed, pkt. .... 10c

Common Mixed—Including many varieties, oz., 25c; pkt. .... 5c

**DOUBLE DAISY.**



The Daisy is a charming little plant for 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.

Finest Mixed—Pkt. .... 5c

Pure White—Pkt. .... 10c

**ESCHSCHOLTZIA—(CALIFORNIA POPPY).**

Blossoms about two inches in diameter, of many brilliant and showy colors. A bed of Eschscholtzia in the sunshine makes a blaze of color. Sow where the plants are wanted to bloom, as they do not bear transplanting. Thin to six inches apart. Half hardy perennial; one foot high.

Splendid Mixed—Pkt. .... 3c

**FORGET-ME-NOT (MYOSOTIS).**

The Forget-Me-Not is an old and 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. If the seeds be sown in autumn it will succeed best and flower earlier in spring. Hardy perennial; 6 inches long. **Alpestris**—Blue. Pkt. .... 5c

**FOUR O'CLOCK (MARVEL OF PERU).**

Old-fashioned, but none the less beautiful. Plant large, requires four feet of space; makes a pretty hedge. Flowers are funnel-shaped, white, red and striped; very fragrant and opens about four o'clock in the afternoon, remaining open all the night. Sown in open ground. Hardy annual. **Mixed**—Pkt. .... 3c

**GOURDS.**

**Small, Ornamental Sorts.**

A great variety of curiously formed and marked fruit; the vines are of rapid growth, and with luxuriant foliage, adapted for covering screens, arbors, etc. Height, 10 to 15 ft. **Mixed** Many beautiful varieties; 1/4 oz., 20c; pkt., 5c For other varieties of Gourds see Vegetable List.

**HOLLYHOCK.**



The seed we offer of this very handsome flower has been saved from the best named collections. The flowers are as double as the rose; of many shades of color, from deep yellow, red and purple, to pure white. Plant the seed in June or July, in open ground; and in the autumn, when the plants have made five leaves, transplant to permanent position, three feet apart. The following summer they will bloom. Hardy perennial, five feet high. **Double Pure White** Pkt. .... 5c  
**Extra Choice Mixed**—Pkt. .... 5c

**HELIOTROPE.**

A well-known and popular plant; fine for bedding, vases, baskets, and for pot culture in winter. Flowers purple, borne in trusses and exceedingly fragrant. Delights in light, rich soil. May be propagated from cuttings. Half hardy perennial. **Extra Mixed**—Pkt. .... 5c

**ICE PLANT.**

A singular looking plant, with thick, fleshy leaves, which have the appearance of being covered with thick crystals of ice. Start early in pots and transplant into light, sandy soil, in a warm situation. Tender annual. **Ice Plant**—(Mesembrianthemum Christallium) — Pkt. .... 5c

**LOBELIA.**

Exceedingly pretty, profuse blooming plants, of great value to flower garden; their delicate, drooping habit, and the profusion of their charming little flowers, render them extremely ornamental. Very fine for hanging baskets. Half hardy annual. **Crystal Palace**—Dark blue; splendid sort. Pkt. 5c.



**MORNING GLORY.**

The best known and most popular annual climber we possess. The seeds germinate so readily that they can be grown in the garden any place where the plants are needed. Supply support early, either cord, wire or brush. The flowers open very early in the morning, and close as soon as the sun becomes warm.

**Major**—Climber; mixed. Oz., 10c; pkt., 3c.

**Dwarf Morning Glory**—Beautiful, showy plants, rich colored flowers. Hardy annual. **Mixed**. Pkt., 3c.

**MOON FLOWER**

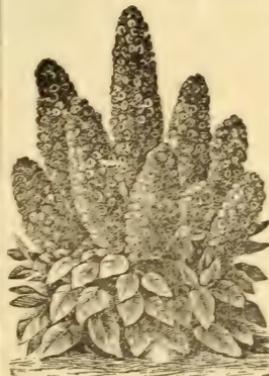
Beautiful climbers and exceedingly attractive when mixed with other climbers. Flowers of graceful form, very large and pure white. They are good for the green house, and especially good for verandas, trellis, stump, arbors, etc. Start plants in the house in March. Ten feet. Tender annual.



**Grandiflora**—[White Seed]—Pkt. .... 10c.

**MIGNONETTE.**

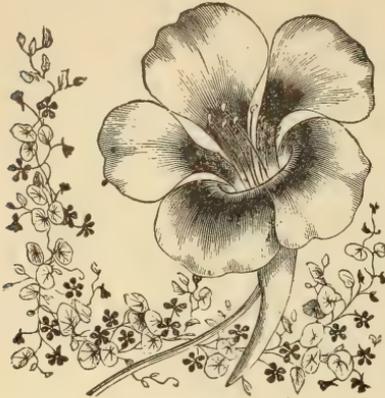
A well-known hardy annual, producing dense, semi-globular heads of exceedingly fragrant flowers, borne on spikes from three to six inches long. It is in bloom nearly the whole season, and the perfume is so strong and fragrant that the whole atmosphere around is perfumed. If it is sown at intervals during the spring and early summer it will be in bloom until killed by frost. Seeds sown in autumn will bloom early in spring. Hardy annual; perennial if protected. One foot high.



**MIGNONETTE MACHET.**

**Sweet Mignonette**—Large flowering. Per oz., 15c; pkt., 3c.  
**Golden Queen**—A mass of golden yellow. Pkt., 5c.  
**Machet**—Very dwarf; vigorous growth; massive spikes of deliciously scented red flowers. Pkt. 5c.

**NASTURTIUMS—(TROPÆOLUMS).**



Half hardy annuals. Flowers of all different shades of yellow and red. The dwarf are round headed plants about a foot high, and make very fine beds for the garden. A bed of Dwarf Nasturtiums is very brilliant and attractive. Hardy annual one foot high. The Tall Nasturtium is one of our prettiest and best trailers; it blooms more freely than dwarf varieties.

**TOM THUMB, OR DWARF.**

The King of Tom Thumbs—Intense scarlet flowers; dark foliage. Pkt., 5c.

Yellow—Pure light yellow. Pkt., 5c.

Rose—Delicate shade; attractive. Pkt., 5c.

Beauty—Light scarlet, splashed with light yellow. Pkt., 5c.

King Theodore—Dark, scarlet maroon. Pkt., 5c.

Empress of India—Brilliant crimson; dark foliage. Pkt., 5c.  
Mixed—Many varieties, ½ oz., 10c; oz., 15c; pkt., 3c

**MAJUS, OR TALL NASTURTIUMS.**

Yellow, Scarlet, Crimson, Purple, Chocolate, Scarlet Striped, Maroon—Each per pkt., 5c

Mixed—Many sorts; ½ oz., 10c; oz., 15c; pkt., 3c  
Seven 5-cent packets of Nasturtiums for 25c.

**MARIGOLD.**

A well known magnificent plant, with handsome double flowers of rich, beautiful colors, and neat, compact green foliage, producing a splendid effect in almost any situation. Half hardy annual.

Mixed Colors—Two feet. Pkt., 3c

**NICOTIANA—(TOBACCO PLANT).**

Large, beautiful, deliciously fragrant, white flowers, of easy culture. If lifted in the fall will bloom during winter. Height about 2 feet.

Affinis—Sweet Scented Tobacco Plant. Pkt., 3c

**PHLOX DRUMMONDII.**

The Phlox Drummondii, for a 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 a hot bed or cold frame earlier; and during the summer and autumn they make a most brilliant bed of showy, yet delicate flowers. A good ribbon bed of Phlox is a most dazzling sight, and there is nothing so cheap. Set the plants a foot apart.

- Deep Blood Purple—Pkt., 3c
- Brilliant Scarlet—Pkt., 3c
- New Double White—Pkt., 10c
- Choice Mixed—Oz., 50c; ½ oz., 30c; pkt., 3c

**GRANDIFLORA.**

This class is much larger than the common kind, both in the flower and plant. We offer a fine collection of brilliant shades. Pkt., 5c.

**STAR PHLOX—(CUSPIDATA).**

The center of each petal runs out into a point one-quarter to one-third of an inch beyond the edge, which gives the flowers a regular star-like form. This variety is of compact habit and bears large umbels of flowers. The beautiful velvety florets, running through shades of scarlet, pink, violet, salmon and white, produces an effect not excelled by any other flower. Pkt., 10c.



NEW STAR PHLOX.

**PORTULACA**

(ROSE MOSS).

Makes a dazzling display of beauty, many hued, highly colored. In bloom from about the 1st of July till frost. Plant in the open ground after it has become warm in light sandy soil and in a dry situation. Bed should be exposed to the sun. Tender annual.

Finest Single Mixed—Many beautiful sorts; Pkt., 3c.

Double Rose Flowered—Per-

fectly double, of many brilliant colors, as well as striped. Mixed colors. Pkt., 10c



DOUBLE PORTULACA.

**POPPIES.**

Hardy annual; 2 feet. Cannot be transplanted. Double—Double flowers; mixed colors. Pkt., 3c  
The Shirley—This beautiful new single Poppy runs in colors from purest white through the most delicate shades of rose, pink and carmine to deep crimson. Very interesting to watch the flowers develop. Pkt., 3c

# LIVINGSTON'S PANSIES.



have the plants in bloom during the early rains. To have good flowers the plants should be vigorous and make the largest flowers. The following varieties and collections are secured from specialties in Europe and elsewhere, regardless of cost. We do not hesitate to recommend them with the greatest confidence. No one can offer better stock, although their prices may be higher. At the prices quoted we give liberal sized packets, according to the quality of the seed.

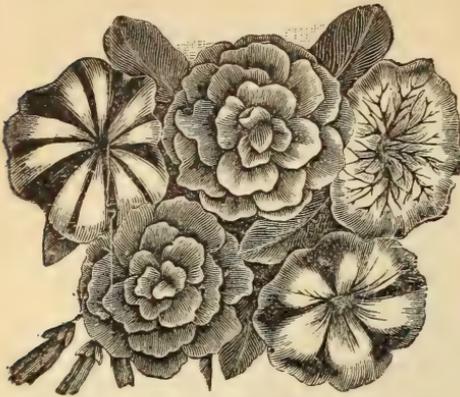
The Pansy is a popular flower with florists and amateurs, giving abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright blossoms. Pansy seed may be sown in the hot-bed or open ground; if sown in the spring get it in as early as possible, so as to have the plants in bloom during the early rains. If sown in October, they will flower in early spring.

- Fawn Colored—Pkt..... 5c
- King of the Blacks—The darkest Pansy known. Pkt..... 5c
- Silver Margined—Extra fine. Pkt..... 5c
- Snow Queen—(Snow Flake)—Satin white, light yellow center. Pkt..... 5c
- Blue—All shades. Pkt..... 5c
- Yellow Gem—Pure Yellow; very fine. Pkt..... 5c
- Dark Purple—Rich purple; very fine. Pkt..... 5c
- Mahogany Colored—A very fine variety. Pkt..... 5c
- Striped and Mottled—A lovely class, of various shades and stripes. Pkt..... 10c
- Red Flowered Victoria—A new color among Pansies, deep clar. t red. They come very true from seed. Pkt..... 10c
- Havana Brown—Rich glossy brown. Pkt..... 5c
- Lord Beaconsfield—Deep purple violet, shading upwards to nearly white. Pkt..... 5c
- Bronze Colored—Very good. Pkt..... 5c
- Livingston's Superb Mixture—This truly "superb" mixture has been produced by careful selection and combining of a number of high priced collections grown by specialists, and we feel confident it is simply impossible to excel it. It combines all that is good in other mixtures. Oz., \$10.00; pkt..... 25c

- Good Quality, Mixed—Oz., \$1.50; pkt..... 5c
- Large Flowering—Very fine mixed, embracing all the separate colors of German Pansies. Oz., \$3.00; pkt..... 10c

## GIANT PANSIES.

- Giant Trimardeau—Altogether distinct and beautiful; the flowers are larger than any hitherto produced. An endless variety of beautiful shades. Mixed. Pkt..... 10c
  - Giant Yellow [Trimardeau]—The flowers are of gigantic size; a bright golden yellow, spotted with black in center. Pkt..... 10c
  - Giant White [Trimardeau]—A very beautiful new Pansy, with purple eye. Pkt..... 10c
  - Giant Odier [Five blotched]—A beautiful strain of various colored, large, handsome, perfect formed flowers; dark spot on each petal; pkt. 15c
  - Bugnot's Superb Blotched [Mixed]—This is a very large flowering race, in which the plants are vigorous, with short stalks bearing well above the foliage; large flowers of brilliant and varied coloring. Pkt..... 25c
- Any seven 5-cent packets of Pansy Seeds for 25c.



**PETUNIA**

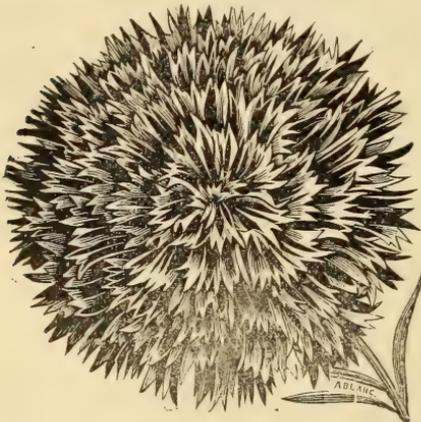
Petunias are unsurpassed, if indeed equaled, for massing in beds. Their richness of color, duration of bloom and easy culture will always render them welcome and popular. They do well sown in open border in the spring, or by sowing in hot bed they come earlier into bloom. Be careful not to cover the small seeds too deeply. Hardy annual; 1½ feet high.

- General Dodd's—New, darkest red..... 5c
- Pur White—Very fine. Pkt..... 5c
- Inimitable Blotched and Striped Single—Pkt..... 3c
- Finest Mixed Single—First quality. Pkt..... 3c

**PRIMULA—(CHINESE PRIMROSE).**

Charming, profuse blooming plants, indispensable for winter and spring decorations in the house. Sow in February or March in light, sandy soil, slightly covered, and keep moist. Transplant as soon as the second leaves appear and shift plants as they grow.

- White—Single, large flowering, fringed. Pkt.... 25c
- Bright Red—Large, flowering, fringed. Pkt.... 25c
- Single Mixed Colors—First quality. Pkt..... 25c



**PINK—(DIANTHUS).**

All this beautiful class of pinks are hardy, and will flower the second season if not allowed to flower too freely the first season. Sow in a hot bed, transplant to 6 inches apart. If not kept too warm are useful for house plants. Double varieties mixed produce flowers as large as the Carnation of Picotee. Hardy annual.

- China or India Pink (Double)—Superb mixed. Pkt. .... 3c
- Imperial Pink—More double than the China Pink. Mixed. Pkt. .... 5c
- Double Japan Pink—Very beautiful; mixed colors in great variety. One foot. Pkt..... 5c

**SWEET WILLIAM.**

[DIANTHUS BARBATUS.]

A very beautiful class of plants of extreme richness and diversity of color. The varieties have been greatly improved of late years. One and one-half feet. Hardy perennials.

- Fine Mixed—All colors Pkt..... 5c



**SNAPDRAGON.**

The Antirrhinum or Snapdragon, is an old favorite border plant, with curiously shaped flowers, with a finely marked throat. They have been much improved and now are really magnificent flowers. They will blossom the first season from seed sown in the spring. Two feet high. Mixed—All colors. Pkt..... 3c

**SALVIA.**

Splendens, or Scarlet Sage—Most gorgeous plants, with spikes of intensely scarlet flowers. The flower spikes measure from 10 to 12 inches in length, and there are as many as 200 spikes on a well grown plant. They continue to flower profusely all summer. Pkt..... 10c

**STOCKS.**

The Stocks have been favorites for years, but of late they have been greatly improved, so that they are now almost indispensable where fine display is wanted. They are not only beautiful, but very fragrant. They can be sown in the open ground or in the hot bed, but transplanting must be done when plants are quite small. If shaded during the hottest part of the day and watered in the evening it will add to the size and beauty of the blossoms. Set plants one foot apart.

Dwarf German Ten Weeks—Large flowering double. Pure White, Brilliant Rose, Crimson, Purple, and Choice Mixed. Each 10 cts. per package; any three for 25 cts.



# Livingston's Sweet Peas.

## HOW TO GROW SWEET PEAS SUCCESSFULLY.

Sow the seed in deep furrows, the bottom of which should be at least five inches below the level of the soil. Cover the seed only one inch, after which the furrow is still four inches deep. When the plants are two or three inches high, fill in another inch or so around the plants, always leaving a portion of the plant above the surface. Continue drawing the soil into the furrow as the plants grow, finally leaving a slight depression at the base of the plants, so the water, either from a shower or watering, will go directly to the roots, thoroughly soaking the soil. They must not be allowed to get dry. As dry and hot weather approaches, cover the soil along the row with plenty of old leaves, straw or hay, to assist in retaining an even moisture and temperature for the roots.

Sow very early, even if all the frost is not yet out of the ground; say about last of March for Iowa, and proportionately early north or south. Sow the seeds about an inch apart in the row, and five feet between rows. Let rows stand north and south, if possible. Set wire netting or bushes to climb on early, and transplant while young plants to fill up gaps in the row, should any occur. Prepare soil thoroughly in spring, using a liberal quantity of old, well rotted manure. A dressing of bone meal, applied after plants are well up, will sustain growth and bloom late in the season. Cut blooms every day. Remove all seed-pods as fast as they appear, to prolong the blooming season.

For new varieties Sweet Peas see Novelty pages.

**Borreaton**—A fine Pea, having deep maroon flowers. Pkt., 5c; oz., 10c.

**Queen of England**—Pure white. Pkt., 3c; oz., 7c.

**Miss Blarck Ferry**—An improvement of the "Painted Lady," being larger and coming very early. Very hardy, a vigorous grower, very sweet scented. Blossoms profusely. Pink and white. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Carmine Invincible**—Shining Crimson Scarlet. Pkt., 5c; oz., 10c.

**Isa Eckford**—Creamy white and rosy pink. Pkt., 3c; oz., 7c.

**Emily Henderson**—Pure white, flowers of remarkable substance, borne on long, stiff stems, and are very large. Plant robust, blanching, producing an abundance of bloom. Very early and remains a long time in bearing; very fragrant. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Captain of the Blues**—Standards purple mauve; wings lighter, shading to blue. Large, effective and handsome. Pkt., 5c.



**Daybreak**—A fine new Sweet Pea. It is quite distinct, a good germinator, a thrifty grower and a fine bloomer. In color it has a white ground, and on the reverse of the standard is a crimson scarlet cloud, which shows through in the fine veins and network, giving to the center of the front of the standard a fine watered effect, the outer margins being white. The wings are white and sometimes slightly flaked with crimson. Pkt., 5c; oz., 15c.

**Butterfly**—Pale gray, with distinct porcelain edge. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

**Painted Lady**—Rose and white. The beautiful old pink variety, so popular with all who have grown Sweet Peas. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

**Lottie Eckford**—Standard rose and white, edged with blue. Pkt., 5c.

**Gaiety**—Striped crimson on white. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

**Purple Prince**—Maroon, wings purple. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c.

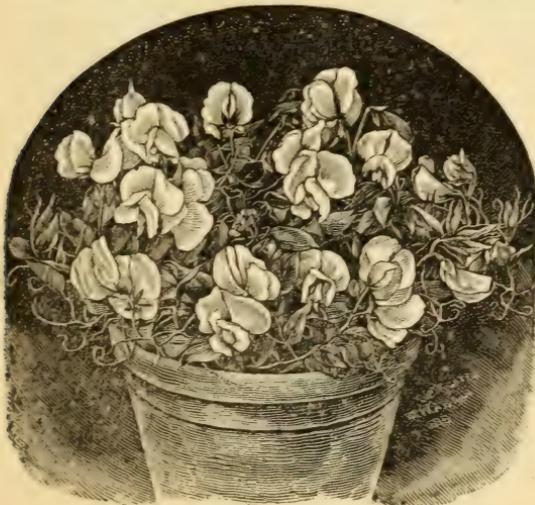
**Eckford's Gilt Edge Mixture**—This mixture contains all that is desirable in Mr. Eckford's introductions, also many of his latest novelties. It certainly cannot be improved upon. The blossoms of this strain are fully double the size of the common kinds. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Eckford's Fine Mixed**—Does not contain so great a number of varieties as the "Gilt Edge" mixture, but will give very good results, and is so cheap that any one can use it by the pound. Pkt., 3c; oz., 7c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**"Cheap" Mixed**—In order to meet competition we have made it up of certain common sorts that seed more freely and offer it at 35c per lb. postpaid; oz., 5c; 3 oz., 10c; lb., 35c. By express, at purchaser's expense, lb., 25c; 5 lbs., \$1.00.

**New Dwarf Cupid**—First Dwarf Sweet Pea introduced; only about five inches in height, and has a profusion of beautiful white blossoms, with all the fragrance, size, length of stem and substance of the common kinds. The buds, which run two and three to each stem, all open about the same time, so that in picking none need be wasted. Sown in rows two feet apart, they will meet between the rows and form a solid mass of dark green foliage and waxy white bloom, a sight to behold. As a pot plant it is a beauty, hanging over the sides of the pot in a graceful manner. Desirable for borders, or along side of walks. For button-hole bouquet equal to the Violet, Rose or Carnation. Packets, 10c; oz., 20c.

**New Pink Cupid**—Now offered for the first time. See Novelty pages.



NEW DWARF "CUPID."

**SENSITIVE PLANT.**

A really pretty plant and affords a great deal of amusement. A plant or two reserved for the house will afford a great deal of pleasure during the winter. Start a young plant in a pot, and plunge the pot in the earth to the rim, removing it to the house in the autumn. Pkt. .... 5c

**VERBENA.**

Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially the light colors. The seeds sprout very unevenly, some not coming up for six weeks after others. They flower perfectly well from seed sown in spring. If started in the house in pots or shallow boxes in winter, they will bloom sooner. Transplant as fast as plants are two inches high, two feet apart each way.



NEW MAMMOTH VERBENA.

- New Mammoth**—This distinct and superb class of Verbenas is a remarkable improvement on the other varieties. It produces flowers of enormous size, the florets being fully one inch in diameter, with clearly defined margins and white eyes. Our illustration, which is about one-half natural size, represents extremely well the size, fine form and delicate shading. Mixed pkt. .... 10c
- Scarlet Defiance**—True deep scarlet. Pkt. .... 5c
- Pure White**—Quite true. Pkt. .... 5c
- Striped Varieties**—A great variety. Pkt. .... 5c
- Choicest Mixed**—Saved only from the most beautiful named flowers. Pkt. .... 10c
- Fine Mixed**—Pkt. .... 5c

**ZINNIA.**

The Zinnia is a brilliant annual and general favorite, its splendid double flowers rivaling in beauty, size and form moderate sized Dahlias. They bloom until frost sets in.

- Alba**—Double pure white. Pkt. .... 5c
- Large Flowering**—Finest double mixed, many shades and colors. Pkt. .... 5c

**Miscellaneous List of Flower Seeds.**

The following list of flower seeds are some of the best known and hardly need be described.

Seven 5 cent packets for 25c.

- ARBONIA**—Trailing habit. Mixed colors. .... 3
- ASPERULA**—Adapted for bouquets; bright blue. Azurea Setosa. .... 5
- ADONIS**—Scarlet flowers; handsome. Mixed. .... 3
- ADLUMIA** (Mountain Fringe)—Attractive climbing plant. .... 5
- AGROSTEMMA**—Pretty for edgings. Rosea. .... 3
- ANAGALIS**—Adapted for borders or rockeries. Mixed. .... 3

- AMMOBIUM**—A good everlasting. Alatum. .... 5
- AMARANTHUS**—Handsome foliage. All kinds mixed. .... 5
- ALONZIA**—For mixed beds. Linifolia. .... 5
- ACROCLINUM**—A beautiful everlasting. Mixed. .... 5
- BALSAM APPLE**—Very curious vine and fruit.
- CALLINHOE**—Rich velvet purple blossoms, white eyes. Mixed. .... 5
- CENTRANTHUS**—Beautiful for masses of borders. Mixed. .... 3
- COLUMBINE** [Aquilegia]—Beautiful in form and color. Mixed. .... 3
- CATCHFLY**—Free flowering; red, rose, pink-lilac blossom. Mixed. .... 3
- CANARY BIRD FLOWER**—A beautiful climber, yellow blossom. .... 5
- COLLINSIA**—Pretty, free blooming, hardy annual. Mixed. .... 3
- CALLIOPSIS**—All shades, from yellow to red-rosa brown. Mixed. .... 3
- COSMOS**—Fine autumn bloomer. Mixed. .... 3
- OSMUNA**—pure white; valuable for florists. .... 5
- DAHLIA**—Large late flower. Double mixed. .... 10
- DIGITALIS** [Foxglove]—Handsome ornamental plants. Mixed. .... 3
- EUPHORBIA**—An ornamental leaved plant. variegata. .... 3
- EVENING PRIMROSE**—Fine flowering plants, open in evening. Lamarkiana. .... 3
- EUFOKA**—Excellent for cutting. Viscida. .... 3
- CYSPHILA**—Small white flowers for bouquets. Elegans. .... 3
- GODETIA**—Free and constant bloomer. Mixed. .... 3
- GILIA**—Finely cut foliage. Celestial blue blossoms. Mixed. .... 3
- GOMPHRENA**—Everlasting; retains shape and color. Mixed. .... 3
- GAILLARDIA**—Very large showy flowers. Constant bloomers. Mixed. .... 3
- HIBISCUS**—Flowers cream colored, purple center. Africanus. .... 3
- HELICHRYSUM**—A very fine everlasting flower. Mixed. .... 3
- HYACINTH BEAN**—A splendid climber; purple and lilac flowers. Mixed. .... 3
- LINUM**—A good bedding plant; saucer shaped scarlet flowers. Rubrum. .... 3
- LUPINUS** [Lupins]—Long graceful spikes of bloom; rich colors. Mixed. .... 3
- LEPTOSIPHON**—Good for marginal beds and borders. Mixed. .... 3
- LARKSPUR**—Beautiful spikes of double flowers in many colors. Mixed. .... 3
- LANTANA**—A bush covered with blossoms, followed by berries. Mixed. .... 3
- MIMULUS** [Monkey Flower]—Beautiful spotted blossoms. Fine mixed. .... 10
- MAURANDIA**—A delicate climber, with small flowers. Mixed. .... 3
- MOURNING BRIDE** [Scabiosa]—Handsome flower; very sweet. .... 3
- NEMOPHILA** [Love Grove]—For border or pot culture; flowers exquisite. Mixed. .... 3
- NOLANA**—Trailing plant for baskets, rock work and beds. Mixed. .... 3
- ORNAMENTAL GRASSES** [Mixed]—Small pkt., 5c; large pkt., 10c. .... 3
- RHODANTHE**—Fine for winter bouquets. Mixed. .... 3
- SUNFLOWER, Dwarf Double**—A good plant for screen. .... 3
- SUNFLOWER, Mammoth Russian**—Largest, most productive. .... 3
- SALPIGLOSIS** [Velvet Flower]—Rich colored, funnel shaped flowers. Mixed. .... 3
- SCHIZANTHUS**—Bright colors; useful for bouquets. Mixed. .... 3
- SMILAX**—One of the most graceful climbers in cultivation. Mixed. .... 5
- SEDUM** [Stone Crop]—For rockery or hanging baskets. Mixed. .... 3
- VINCA**—Glossy green foliage; beautiful flowers. Mixed. .... 3
- VIOLET**—For border or rock work; requires shade. Blue. .... 5
- THUNBERGIA**—Trailing plant for hanging baskets, vases, etc. Mixed. .... 5
- WHITLAVIA**—A good plant for baskets, vases, or pots. Mixed. .... 5
- XERANTHEMUM**—An everlasting of neat, compact habit. Mixed. .... 5

## SUMMER FLOWERING

## BULBS

The summer flowering bulbs and roots for spring planting are inexpensive, very easily grown, require scarcely any care, and produce some of the most showy and beautiful of all summer and autumn flowers. Nothing can give more genuine satisfaction with so little care. There are but few flowers that can compare with the brilliant spikes of the Gladiolus or flowers of the Dahlia, the elegance of the Lily, the purity and fragrance of the Tuberose, the stately Cannas or the tropical foliage of the Caladium. Before hard frosts the bulbs must be taken up and stored away in some place secure from frost until spring.

All Bulbs sent prepaid unless otherwise noted.

## AMARYLLIS.

Lily shaped flowers of great beauty.

**Formosissima** (Jacobean Lily)—Flowers are of deep crimson; color very striking. Each, 10c.

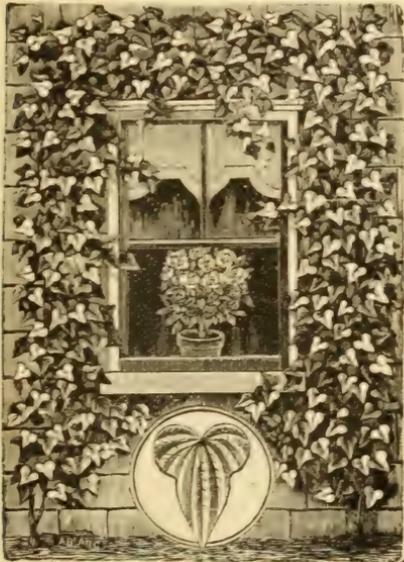
**Atamasco**—Fine for bedding. White, suffused with rose. Each, 5c; 3 for 10c.

**Johnsonii**—Flowers large crimson, striped with white; very fine: small bulbs. Each, 25c.

## AMPELOPUSIS (IVY).

**Boston or Japan Ivy** (Veitchii)—A variety that has tendrils so strong they cling to any kind of a wall, wood, brick or stone; large, strong plants. Each, 25c.

**Virginia Creeper, American Ivy**—A perfectly hardy variety under all conditions. An exceedingly rapid grower. Each, 20c; three for 50c.



## CINNAMON VINE.

This beautiful climber is perfectly hardy, the stem dying down every autumn, but growing up again so rapidly in the spring as to completely cover any trellis or arbor in the season. It is as easily cultivated as the Madeira Vine, has no insect enemies, and is not affected by drouth; and, with its beautiful, heart-shaped leaves, bright green peculiar foliage, and clusters of delicate white flowers, it is one of the most desirable climbers in cultivation. Strong roots. Each, 8c; two for 15c; four for 25c.

## Livingston's Bulb Collections.

## FOR 25 CENTS,

I will send 10 CHOICE BULBS, as follows:  
 Three Cladiolus, Two Cinnamon Vine,  
 Two Tuberoses, Two Oxalis,  
 One Maderia Vine.

## FOR 50 CENTS,

I will send 20 CHOICE BULBS, as follows:  
 Six Cladiolus, One Caladium,  
 Three Tuberoses, Two Cinnamon Vine,  
 Four Oxalis, Two Maderia Vine,  
 Two Dwarf French Cannas.

The above collections are great bargains.

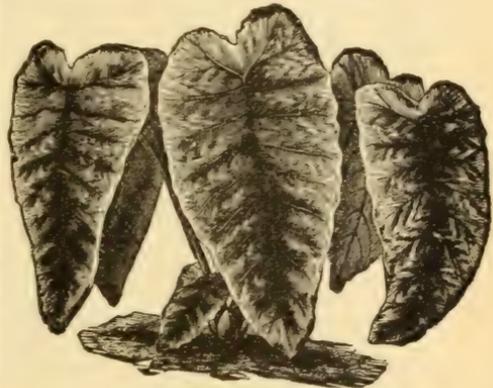
## CLEMATIS VINES.

The Clematis must have a sunny location and good culture. Dig the ground deep, make it rich, and water whenever needed.

**Jackmanii**—Large, rich, deep purple flowers. A very popular sort everywhere. Very hardy, but does best if given some protection. Strong plants, that will bloom some this season. Each 50c and 75c.

**Henryii**—The leading white variety. Strong grower, having flowers of large size and creamy white. Large plants. Each 50c to 75c.

**Sieboldii**—Lavender colored. Very fine. Each, 75c.  
 One each of above Clematis, \$1.50.



CALADIUM.

## CALADIUM (ELEPHANT'S EAR).

**Caladium**—A beautiful, large, showy foliage plant. Immense leaves, frequently four feet by two and one-half feet. Plant often attains a height of five feet, the immense leaves producing a tropical effect. Small bulbs, each 15c; medium, each 25c; extra large, each 50c.

## MADERIA, OR MEXICAN VINE.

A very rapid growing vine, having glossy green leaves of leathery texture, remaining so throughout the entire season. We have used this splendid climber at our house for a number of years, and under all conditions the leaves first forming near the ground have remained fresh and bright until frost. The delicate and very fragrant little blossoms appear in numerous clusters during the latter part of summer, and when in full bloom there is nothing more beautiful or fragrant. If you have never grown this old favorite, or have run out of tubers, let us send you some of our own growing. Vigorous bulbs, each 5c; three for 10c; doz., 25c; 100 by express, at your expense, \$1.25.

## CANNAS, LARGE FLOWERING FRENCH.

These are noted for great beauty and the size of flower as well as handsome foliage.



LARGE FLOWERING FRENCH CANNA.

**Madame Crozy**—This grand sort has flowers double the size of Gladioli spikes; are of deepest vermilion red, with a distinct gold border. They are almost constantly in bloom, and have very large individual flowers. The large rounded petals are each a thing of beauty. Height 4 feet. Each 10c; three for 25c.

**Florence Vaughan**—A striking, yellow spotted Canna; it is lemon yellow, spotted with bright red; free bloomer; has large spikes of flowers; foliage light green. Height 4 feet. Each 15c.

**Queen Charlotte**—A splendid orange scarlet flower with wide border of golden yellow on each petal. The most distinct and striking of all recent introductions; a constant bloomer. Flowers borne just right height above the broad luxuriant leaves. Height 3 feet. Each 15c.

**Chas. Henderson**—One of the finest. Rich crimson, perfect form, a wonderful bloomer, fine bedding sort. Height 4 feet. Each 15c.

One each of above choice Cannas, no two alike, for only 50c.

## DAHLIAS.

The Dahlia has always been a favorite for autumnal flowering. The flowers are large, symmetrical and perfect, the colors so brilliant and varied that they will always be popular. They should be set out 3 feet apart after all danger of frost is over. Support the plants by tying to stakes. Our collection includes the best and most desirable colors and shades. They are all of the large flowering sorts. Ready about April 1st.

**Glowing Coal**—Clear, deep scarlet; very double. Each 20c.

**Bonnard's Yellow**—Pure yellow. Each 20c.

**Camelliaeflora**—One of the finest whites; very large. Each 20c.

**Soliman**—Yellow striped with purple. Each 20c.

**John Sladden**—Nearly black; fine form. Each 20c.

**Black Knight**—Very dark, purple maroon. Very fine. Each 20c.

One each of above six Dahlias only \$1.00.

## GLADIOLUS.

The Gladiolus is one of the most showy and attractive of the summer flowering bulbs. Its varieties are numerous, hardy and easy of culture. They thrive in almost any good soil; plant where they will get plenty of sunlight; set the bulbs 6 to 8 inches apart, large ones 4 inches deep, small ones 2 inches deep; make an early planting, as soon as the ground gets warm and dry, and additional plantings every three weeks until the middle of June for a succession. Its flowers are borne in tall dense spikes, and in every shade of delicate, rich and brilliant coloring. For cut flowers in vases, for house and table decorations, no flower is more beautiful and none so lasting. The bulbs we offer are of the finest quality, and no better mixtures can be had where fine colors and distinct markings are desired. At the 100 price we do not prepay charges.

Each. Doz. 100.

Red, of various shades.....	3	25	\$1.50
White and Light.....	5	40	3.00
Yellow Shades.....	6	45	3.75
Striped and Variegated.....	5	45	3.50
Pink, various shades.....	5	40	3.00
Extra Fine Mixed.....	3	25	1.50

**Lemoine's Hybrid Mixed**—The Lemoine's Seedling Gladiolus is sometimes called Butterfly Gladiolus on account of resemblance to a butterfly with beautiful spots on the lower petals. They are indescribably beautiful. Each 6c; doz. 50c; 100, \$4.00.

*Mrs. Thos. Higgins, Palo Alto Co., Iowa, writes, Aug. 4, '97: "I sent to you last spring for my garden seeds, also for bulbs. I am well pleased with what you have sent me."*

## LILIES.

**Auratum** (Gold Band Lilies of Japan)—Large white flower, each petal marked with wide gold band, spotted with maroon, and the spots stand up like plush. Free bloomer. Hardy. Fine bulbs, each 25c; smaller size 15c.

**Album**—Lovely pure white Lily, slightly tinted with pink at the tips of the petal. Hardy. Each 25c.

**Rubrum**—Rose white, spotted with crimson. Hardy. Each 20c.

**Tigrinum** (Single Tiger Lily)—Hardy; orange red spotted with black. Each 10c.

One each above four hardy Lilies only 75c.

## TUBEROSE BULBS.

One of the most delightfully fragrant and beautiful of the summer flowering bulbs. The flowers are waxy white and the sweetest scented flower that grows. The growing plant is fond of light and heat, and must have full sunlight when bedded, and plenty of water after it begins to grow freely, but not too much water when first started, and should not be planted outside before April 1st. The bulbs may be planted at intervals of a week or so to give a succession of bloom.

## EXCELSIOR DWARF PEARL.

Flowers large size; very double; stem two to three feet.

**Small Size Bulbs**—Plenty large enough to bloom. Each 3c; 6 for 15c; doz. 30c.

**Medium Sized Bulbs**—Each 6c; 3 for 15c; doz. 50c.

**Mammoth Bulbs**—Especially selected for our retail trade. Each 10c; three for 20c; doz. 75c. By express at purchaser's expense, doz. 60c; 100, \$3.00.

*D. H. Masters, Boyd Co., Neb., writes, March 24, '97: "You should receive some orders from this locality this spring as it has been a point with me to give your house the best name possible."*

## VEGETABLE PLANTS, ROOTS, ETC.

We are pleased to inform our customers that we have made permanent arrangements with one of our most experienced and successful gardeners to grow plants for us. They will be the good, stocky kind; full of life, and ready to go ahead as soon as transplanted.

Plants are sent only by express, not by mail, and charges are to be paid by purchaser. No order accepted for less than \$1.00 worth of plants. We keep the following kinds on hand, and can ship fresh potted plants on short notice. Prices subject to change, owing to damage by frosts, insects, etc.

**Asparagus Roots**—[Ready when ground thaws]. See page 8.

**Cabbage, Early**—[Ready about April 10th]. Early Wakefield, Early Summer, etc. Price per 100, 50c; per 1,000, \$3.50.

**Cabbage, Late**—[Ready about June 1st]. Premium Flat Dutch, Drumhead, etc. Per 100, 40c; per 1,000, \$2.60.

**Cauliflower**—[Ready about May 1st]. Early Snowball, Early Erfurt. Price per 100, \$1.00; per 1,000, \$7.00.

**Celery**—[Ready about May 1st]. White Plume, Golden Heart, etc. Price per 100, 60c; per 1,000, \$4.00. After June 20th, per 1,000, \$3.00.

**Pepper**—[Ready about May 15th]. Ruby King, Bull Nose, Sweet Mountain, Cayenne. Price per 100, \$1.00.

**Horse Radish Sets**—[Ready when ground thaws]. Price per 100, 75c; per 1,000, \$6.00.

**Egg Plant**—[Ready about May 15th]. New York Improved. Price per 100, \$1.00.

**Rhubarb Roots**—[Ready when ground thaws]. See page 27.

**Tomato**—[Ready about May 1st]. Dwarf Champion, Livingston's Beauty, Perfection, Stone, etc. Price per 100, 75c; per 1,000, \$5.00.

**Sweet Potato**—[Ready about May 1st]. Yellow Jersey, Yellow Nansmond. Per 100, 25c; per 1,000, \$2.00.

Write for special prices on plants in quantity, As we sometimes have a surplus on which we are glad to name low price; besides we always make prices according to quantity wanted.

## SMALL FRUIT PLANTS.

We have arranged with a nurseryman of over fifteen years' experience, and who makes a specialty of growing the small fruits alone, to fill our orders. He annually grows millions of them, and this is especially true in regard to strawberries. All the plants we have ever received from him have been the very finest—large and beautiful plants. By giving us your orders for small fruit at the same time you are ordering seeds, etc., it saves you the trouble and expense of writing two letters, as you would have to do otherwise.

**Prices**—Our prices are as low as first-class plants can be sold, in quantities mentioned. Good plants put up in first-class shape cannot be sold at snoddy prices without loss to somebody. Cheap plants, as a rule, mean poor plants. We sell 50 plants at the 100 rates; 500 at the 1,000 rate. No plants will be sent C. O. D.

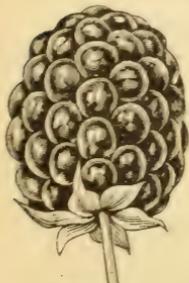
**Large Orders**—Persons wishing 10,000 or more will do well to write us for special low prices.

**Good Packing**—We pack in first-class shape. Plants trimmed, roots straight and tied in bundles. Packed in good clean moss; no charge for packing.

**Orders Filled** in rotation as received. Late orders, of course, are last filled.

**Descriptions**—The following descriptions of varieties are as given by our nurseryman, and we believe correct in every particular:

### BLACKBERRIES.



SNYDER.

**Snyder Blackberry**—We have tested about all the Blackberries that have been offered to the public for the last fifteen years, and have settled down on the Snyder only. For the western farmer, we would say, if you can't grow Snyder Blackberry you will have to do without blackberries. Per doz., 50c, postpaid; by express, per 100, \$1.25.

### RASPBERRIES.

#### NEMAHA.

Originated in Nebraska several years ago, but has never been boomed as others have, that were not as valuable. So far as the fruit is concerned it is almost identical with Gregg. A large berry, late in ripening; canes more hardy; makes more tips; very productive; will stand cold

winters much better. Those that have grown it beside the Gregg for a number of years, say it is superior in all points. Per doz, 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

### KANSAS.

It has proven hardy everywhere tried, and is highly praised by all. The plant is a very strong grower, healthy and hardy; it produces plenty of strong, heavy tip plants, with very long roots. The fruit is about the size of Gregg, jet black; ripens a little later than the Tyler. The berry is firm, a good shipper, and of good quality. I believe it will prove to be one of the best yet introduced. Per doz., 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

### GREGG.

I am well satisfied this black cap does much better in a clay or timber soil than it does for me on prairie soil. With me it won't last long enough; two or three crops is all we can count on before renewing it; but in the bluff soils or clay, I am told it lasts much longer. Per doz, 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.



KANSAS.

### OLDER.

Originated in northeastern Iowa 15 years ago and has stood all our test winters there. I have grown it 9 years and find it the hardest and most productive of anything I have. The berry is coal black, no bloom, about the size of Gregg. Ripens about three days earlier than Tyler or Palmer and about six days earlier than Gregg, and lasts the longest of any. It is decidedly the richest and best berry when canned I ever tested. It stands with-

**RASPBERRIES—Continued.**

out a rival in resisting cold and drouth, wherever it has been tried beside all the other standard varieties. Where best known in northern Iowa, northern Illinois and Wisconsin, nurserymen say they can sell no other. Try it. I feel very certain you will not be disappointed. Per doz. 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$8.00.

**PALMER.**

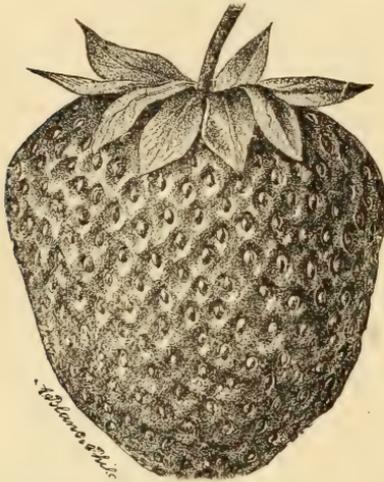
I have fruited this early black cap variety six years and find it to be the best and most productive of any of our very early raspberries. It commences to ripen, with me, the first of any, and three pickings will take about all the fruit. It produces a heavy crop of good sized berries that you can get into the market the first of any, and we always get the best prices for the first raspberries. Its ripening its entire crop in a few days is a decided advantage to the market grower. Per doz. 50c, postpaid; by express, not prepaid, per 100, \$1.25; per 1,000, \$7.00.

**Other Choice Varieties of Raspberries.**

	By Mail.	By Exp.	By Exp.
	Doz.	100.	1,000.
Tyler and Souhegan early black cap.....	50	\$1.25	\$7.00
Ohio medium black cap.....	50	1.25	8.00
Shaffer, late red.....	75	2.00	

**STRAWBERRIES.**

Strawberry Culturist; everything in detail and nicely illustrated. Price 25c.



Varieties marked P are pistillate and must have a variety marked S, or staminate, planted near them as a fertilizer. The staminate varieties will fruit if planted alone, but they do not bear so well, as a rule, as the pistillate sorts.

**WARFIELD (P).**

We place this first on the list, because after being well tested over about every state in the Union, it is considered one of the best market berries grown. All things being considered that go to make a profitable market berry—four rows of this with two rows of B. Wood or Robinson as a fertilizer—will produce more good marketable fruit than any other we can now name, although we have others that we have not tested long enough to fully decide, that appear to be crowding these for first place. Doz. 25c; 100, 80c prepaid; 1,000, \$2.25 not prepaid.

**BEDER WOOD (S).**

This also has been well tested all over our country, and holds first place as a good fertilizer for most pistillates, and one of the best bearers of excellent fruit of good size and quality; commences ripening early and lasts a long time. Doz. 35c; 100 50c, prepaid; 1,000, \$2.50, not prepaid.

**ROBINSON (S).**

This originated in Kansas, and where best known is considered one of the best as a fertilizer for the pistillates, as well as producing an excellent crop of berries of good size and quality; also an excellent shipper. Plant and foliage very much like Crescent. Doz. 25c; 100, 80c, prepaid; 1,000, \$2.50, not prepaid.

**HAVERLAND (P).**

We have had this nine years and found it a good grower, healthy and hardy, producing large crops of large, long, handsome berries of very fair quality. It is all a man could ask, except it is not a good shipper. For a home market it would be a profitable berry to grow. Doz. 25c; 100, \$1.00, prepaid; 1,000, \$3.50, not prepaid.

**BUBACH (P).**

This is perhaps the most popular of any of the large berries that have been well tested, generally, over our country. It is too soft for a market berry. Doz. 25c; 100, 80c, prepaid; 1,000, \$2.75, not prepaid.

**PARKER EARL (S).**

Under favorable circumstances this is certainly the most productive berry I have yet tested. But must have rich soil, high cultivation, and plenty of water, or it cannot mature its crop. The fruit is fair size, bright red, handsome, cone shaped with slight neck, good quality, moderately firm, fairly good shipper. It makes but few plants, but they are very large. Doz. 30c; 100, \$1.00, prepaid; 1,000, \$5.00, not prepaid.

**LOVETT (S).**

This is becoming quite popular in many places as a fertilizer for pistillates, being quite productive. A handsome berry of medium size, a good shipper, and of very fair quality. The plant is healthy, hardy, a good grower and plant maker. We think it well worthy of a fair trial by every one. Doz. 25c; 100, 80c, prepaid; 1,000, \$2.50, not prepaid.

**BISEL (P).**

A seedling of the Old Wilson, a vigorous grower, healthy and hardy, makes plenty of plants, has long roots which enable it to stand drouth well. Fruit is large, good quality, firm, a good shipper; color is deep glossy red, with double calyx; very productive. Season same as Crescent; continues in fruit a long time, very uniform in shape and size; fruit held up from ground on strong heavy fruit stems. Every one speaks well of it. It appears to adapt itself to all soils and climates, which is a decided advantage in any strawberry, as we have so many that are very particular as to their soil and location. It is beyond doubt a good all around berry and ought to be tried by every one who grows strawberries. We have a splendid stock of these plants and can offer them at low prices for so new a variety. Doz. 25c; 100, 80c, prepaid; 1,000, \$3.00, not prepaid.

**CONDENSED LIST.**

**Other Varieties Strawberries.**

	By mail.	By mail.	By express.
	12.	100.	1,000.
(P) Crescent .....	25	\$0.80	\$2.25
(S) Wolverton .....	30	80	3.50
(S) Saunders .....	30	80	3.50
(S) Gardner .....	30	1.00	3.50
(P) Greenville .....	30	1.00	3.50
(S) Brandywine .....	0	1.00	4.00
(S) Splendid .....	30	1.00	4.00
(S) Jessie .....	25	.80	2.75
(S) Wm. Belt .....	30	1.25	5.00
(S) Glen Mary .....	50	2.00	.....
(P) Princeton Chief.....	30	1.50	.....

50 at 100 rates; 500 at 1,000 rates. 500 composed of several varieties, the cost must be figured at the 100 rate. If sent by express 25c may be deducted from the prices given by the 100. At the 1,000 price purchaser pays the express charges when received.

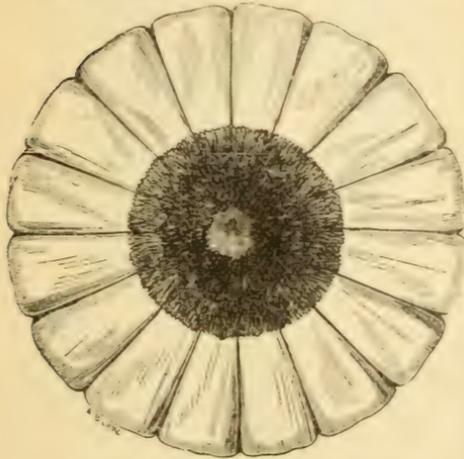
**Low prices on 10,000 or more Strawberry Plants.**

## Livingston's Selected Seed Corn

The following varieties have been chosen, as each one has distinctive features peculiar to it alone. They are not untried varieties, so you need not hesitate to use them liberally, after selecting such as are suitable to your purpose. We carry our stocks of seed corn in the ear, and only shell as needed to fill orders. This we have found the most satisfactory way to handle it. Our tests are taken right out of the shelled corn, as that is the only fair way to do it. Prices include bags and free delivery to railway or express companies here, purchaser to pay charges when corn is received.

Seed Corn at 50 cents per bushel costs 7 cents per acre to seed; at \$1.00, 14 cts.; at \$1.50, 17 1-2 cts.; at \$2.00, 28 cts. per acre, or only about one-third the cost of seeding to oats, and the corn crop is always of more value than oats. It don't pay to plant poor seed corn.

**Pride of the North, or Early Golden Dent**—Originated in extreme northern Iowa. Matures perfectly in ninety days; is out of danger from frost in seventy-five days; very hardy and prolific; ears small, uniform, 12 to 16 rows; just the right size to feed cattle; small cob; kernels closely set on the cob, and are long and compact. Prepaid, pkt., 5c; qt., 25c. Not prepaid, pk., 35c; bushel, \$1.15; two bushels, \$2.00.

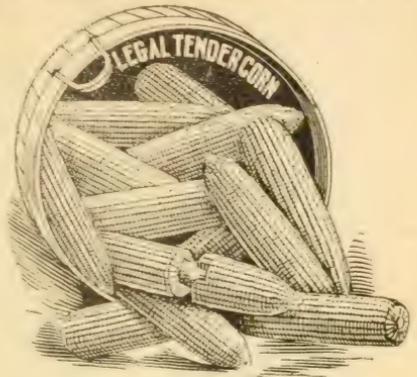


CHAMPION WHITE PEARL CORN.

**Champion White Pearl**—A thoroughbred pure white, medium sized, early dent variety, suitable for general crop. Matures in ninety to one hundred days; is very prolific; the grain is extra deep and wide; small cob. Prepaid, pkt., 5c; qt., 25c; not prepaid, pk., 35c; bu., \$1.15; bu., \$2.00.

### Sweet Corn for Fodder.

There is nothing better for green feed, or for curing for winter, than sweet corn. Cattle highly relish it, and when fed on it keep in fine condition and give an abundance of milk. Sow in drills or broadcast. Per pk., 50c; bu., \$1.25.



**Legal Tender Yellow Dent**—Every season our good opinion of this variety is more and more confirmed. It is the best main crop yellow dent corn we have. Being large and deep grained it needs the entire season to mature it. We do not advise planting later than May 15th. Some, however, planted it as late as the 20th to 25th, and matured a splendid crop of it. It yields immensely. Ears 10 to 12 inches in length; grains  $\frac{3}{4}$  to  $\frac{5}{8}$  inches in length, and run well up to 20 rows on the ear. They have a glossy orange-yellow body, with a lemon-yellow cap. A load of Legal Tender is a thing of beauty. Try a bag of it. The extra yield over common corn will more than pay for it, and you can sell seed of it to your neighbors and make a handsome profit. We don't as a rule indulge in much bragging, but we feel safe in taking pretty strong about Legal Tender Corn. Prepaid, pkt., 5c; qt., 25c; not prepaid, pk., 35c; bu., \$1.15; bag (two bu.), \$2.00.

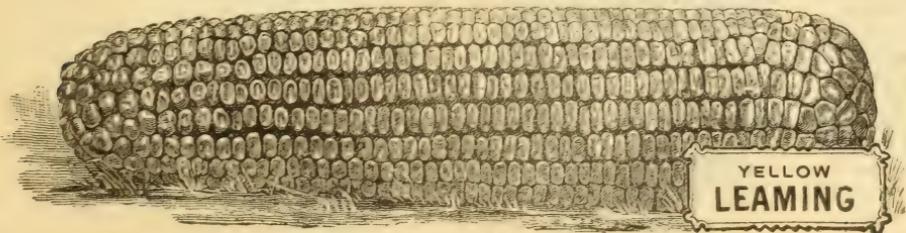
**Iowa Yellow Dent**—Has medium sized ear; deep, bright, glossy yellow grains; bright red cob. Ripens a few days later than Pride of the North; Prepaid, pkt., 5c; qt., 25c; not prepaid, pk., 25c; bu., 90c; two bu., \$1.50.

**Iowa Silver Mine**—A pure white corn and cob; large, deep grain, maturing in about one hundred days. Much resembling the Champion White Pearl. Pat., 5c; qt., 25c; pk., 40c; bu., \$1.50.

**Iowa Gold Mine**—Small to medium sized ears, of light yellow color. Very deep grain, shells easy. Stock are fond of it, as owing to the soft grain it is easily eaten. Medium yielder. We advise its use only for early feeding, and not for main crop or market. In ear, prepaid, pkt., 5c; qt., 25c; not prepaid, pk., 35c; bu., \$1.00.

**Yellow Leaming**—A pure glossy yellow, earing low on a strong, heavy stalk; ears have from 20 to 28 rows of 30 to 50 grains each; square and deep; ripens quite early, frequently maturing in one hundred days after planting; yields immense. Hundreds of so-called new sorts might well be discarded in favor of the good old Leaming corn, of which we have a good stock to offer. Prepaid, pkt., 5c; qt., 25c; not prepaid, pk., 35c; bu., \$1.15; two bu., \$2.00.

One packet (pkt.) each of above seven (7) varieties of field corn for 20c. Each packet will contain enough to grow several bushels of seed corn.



YELLOW LEAMING

**POP CORN.**



**New Red Beauty**—Very early, productive; great depth of grain and small cob; very crisp and sweet. It is claimed it will pop in four months from time of planting. It is really a beauty and a good family pop corn. Pkt., 5c; oz., 10c; pt., 25c, postpaid.

**Mapledale Prolific**—The most prolific variety grown, a single stalk having yielded 15 ears; average 4 to 6 ears to a stalk. The kernels nearly clear white in color; stalks grow 6 ft. high—the ears are large in size, averaging six inches, while many reach 8 inches length. It pops pure white and is of good quality. Pkt. 5c, pt. 20c.

**Monarch White Rice**—An improved strain of the good old Rice

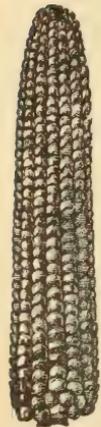
variety, having a much larger ear, and will no doubt yield much more per acre. The very best soil to grow for market. Postpaid per pkt. 5c; pt. 20c; qt. 35c; not prepaid, 10 lbs. 50c; 25 lbs. \$1.00.

**Queen's Golden**—A beautiful golden yellow sort having large grains and popping to immense size, but requires a very hot fire to produce it to perfection. Pkt. 5c; pt. 20c, postpaid.

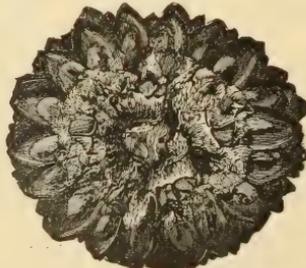
**Common Rice**—Pkt. 5c; pt. 15c.

**New Striped**—Distinct and showy. A white grain with various colored stripes around each grain. Quality very good. Pkt. 5c; pt. 25c.

*Mrs. Sylvester Carter, Union County, Iowa, writes, April, 1897: "We have purchased all of our garden seeds from you for several years, and have always found them very good. We are pleased to recommend them to our neighbors."*



QUEEN'S GOLDEN.



MONARCH RICE.

One packet each of above six varieties 20c.

**CHOICE SEED BARLEY**



**White Hulls (Ideal)**—There is a growing demand for barley for feeding purposes, used in the same manner as oats, either to be fed alone or to be used in mixed feeds. It is only of recent years that the great value of barley as a feed has become appreciated. The difficulty with most varieties for feeding has been the great vicious beards, common to most sorts, would get into the mouth and cause it to become sore. In the new White Hulls Barley this objection is overcome, as when threshed it comes out free from beards and hulls much the same as wheat, a beautiful white grain, weighing 60 to 65 pounds to the measured bushel: heads are 3 inches long, strong straw, a 4-rowed barley, very productive, and in feeding properties exceeds the common kind. Postpaid, per large packet, 10c; 1b. 25c; pk. 40c; bu. \$1.50; 2 bu. \$2.50, bags included.

**MANSURY.**

A fine 6-rowed barley, produced in long heads. It heads the list in productiveness. We have sold more of this variety than any other one sort. Our stock came from Minnesota and should be preferred to southern grown seed. Postpaid, large packet, 5c; per lb. 15c. Not prepaid, pk. 20c; bu. 70c; 2 bu. \$1.30, bags included.

**HIGHLAND CHIEF.**

A 2-rowed barley having grains of remarkable size and fine appearance. It is a vigorous grower; is less likely to be damaged by wet than most kinds, as it is much more closely covered by broad awns or spikelets, consequently does not lose color by wet; a very important point with a malting sort. It is very productive. Postpaid, large pkt. 5c; 1b. 15c. Not prepaid, pk. 25c; bu. 75c; 5 bu. \$3.50, bags included.

*J. K. Montgomery, Fayette Co., Iowa, writes, March 12, '97: "Seeds ordered ordered came all right, and am well pleased with quantity."*

# SEED OATS.

## NEW ZEALAND.

The seed was sent here from New Zealand and after several years test it proved so superior in some respects that it was thought best to introduce it to the general public. The yield is much greater than that of common kinds under like condition, the weight per "stroke" bushel running pretty close up to 40 pounds. It is a side oat having a very long head. Has a stiff, strong straw which prevents lodging under any ordinary circumstances. Its greatest point of superiority, however, is found in its being able to resist the rust, which proves fatal to many other good kinds. During the season of 1895 when other fields adjoining that of the New Zealand were ruined by rust it remained unharmed producing good yield of fine grain. About a week later maturing than ordinary roundheaded sorts. Postpaid, lb. 15c; not prepaid, pk. 25c; bu. 80c; bag (2 bu.), \$1.50.

## LINCOLN.

A very productive variety which stands up under almost every circumstance. It stands out immensely. From one grain as high as 25 to 30 heads have been counted. This variety was first sent out several years ago and it is now one of the most popular sorts. It is very early. Very nearly rust proof. Has thin hull and soft nib; hence the best for feeding, grinding and oatmeal. So many have been pleased with this variety that we feel a great deal of confidence in asking our customers to give the Lincoln Oats a liberal trial. Postpaid, lb. 15c; not prepaid, pk. 25c; bu. 75c.

## SUGAR CANE.

The best thing for fodder ever tried. Sow late in season, about same time as Millet; it makes an enormous crop. Stock love it and grow fat. The following kind is best for sugar and molasses making as well as fodder.

**Early Amber**—This is a popular sort, coming earliest of all, makes finest quality of beautiful amber syrup and good sugar. Postpaid, lb. 20c; not prepaid, 10 lbs. 40c; 50 lbs. \$1.25; 100 lbs. \$2.00.

## FLAX SEED.

**Common**—Choice for sowing; market price.

**"Flax Culture"**—A Practical Book—30c.

## BROOM CORN.

**"Broom Corn and Brooms"**—Tells all about this subject in detail—50c.

**Improved Evergreen**—The favorite sort. The brush is fine and of good length. Yields well and does not turn red in the field before cutting being a green variety of brush. Not prepaid, pk. 40c; bu. \$1.50.

**Dwarf Broom Corn**—Grows from 3 to 4 feet high having straight, smooth brush. Is principally used in making whisks and brushes. Postpaid, pkt. 10c; lb. 25c. Not prepaid, pk. \$1.00; bu. \$3.50.

**Extra Early Japan**—Will mature in 75 days. The earliest of all varieties. Can be planted after wheat and oats and make a crop. Postpaid, pkt. 10c; lb. 25c. Not prepaid, pk. \$1.00; bu. \$3.50.

## DWARF ESSEX RAPE.

Sow it during summer for fall pasture. It is especially good for sheep, but all kinds of stock are fond of it and do well on it. It comes at a time of year when most needed. It grows best late in the summer or fall and yields an immense amount of feed. Is good to use as a "catch crop," sown on ground where other crops may for some reason have failed as it grows very quickly. Sow 5 pounds to the acre broadcast. Pkt. 5c; lb. 25c, postpaid. Not prepaid, lb. 15c; 5 lbs. for 65c; 10 lbs. for \$1.00; 100 lbs for \$8.00.



## BUCKWHEAT.

Should be sown about the middle of June broadcast, using from 3 to 4 pecks to the acre.

**Japanese**—This sort has proven much earlier and more productive than any other variety. Some have told us it yields 55 bushels to the acre where 3 or 4 pecks are sown. The grains are very large and of rich brown color. Postpaid, lb. 15c; larger quantity at market price.

**Silver Hull**—A very good and popular variety; the grain is of a light gray color, rounder than the common variety, has a much thinner husk, matures earlier, and yields a half more to the acre. Postpaid, lb. 15c; larger quantity at market price.

**Common**—At market price.

## KAFFIR CORN.

The Kaffir Corn is grown principally in this section as a fodder crop, but in those parts of the country subject to severe drouths and consequent failure of corn and other grain crops it is becoming more and more popular. For the grain sow in rows 3 feet apart, 3 to 5 pounds of seed to the acre. For fodder sow  $\frac{1}{2}$  bushel to 1 bushel, either broadcast or in drills.

**White Kaffir Corn**—Grows from 4 to 5 feet high, making a straight, upright growth, with numerous wide leaves. The stalks keep green and are brittle and juicy, not hardening like other varieties of sorghum, making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. Postpaid, pkt. 5c; lb. 15c. Not prepaid, 10 lbs. 40c.

**Red Kaffir Corn**—This grows taller than the White, the stalks are slender but more juicy and very leafy. The heads are long, slender, compact and grow erect; they measure from 1 to 2 feet. The seed is red, smaller than that of the White, and rather hard and brittle. This variety is one of the best drought resisters among all the non-saccharine Sorghums. It does well on poor land and yields well. It ripens a little earlier than the White variety and yields much heavier. It is highly recommended by the Kansas Agricultural College at Manhattan. Postpaid, pkt. 5c; lb. 20c. Not prepaid, 10 lbs. 40c.

## SPRING RYE.

Is especially desirable for a catch crop, as it is early enough to be sown after you have found some other crop is going to fail, and still make a paying crop. It often yields as high as 40 bushels to an acre, which ordinarily pays better than wheat. Postpaid, large pkt. 10c; lb. 25c. Not prepaid, pk. 25c; bu. 75c.

For larger quantities than quoted above write for special prices.

## GRASS SEEDS.

Write for prices in quantity.



KENTUCKY BLUE GRASS.

**Kentucky Blue Grass**—Is grown more than any other variety for lawns, and is one of the very best grasses for mixed pasturage. Very nutritious; will stand any amount of trampling by stock. If stock is kept off it during the fall, allowing a good growth to make, it is one of the finest grasses for winter pasturage; stock will actually dig it out of the snow and grow fat on it. Stands drouth well. Sow in fall or spring at the rate of one bushel (14 pounds) per acre. Fancy cleaned, postpaid, per lb., 25c.

**Red Top**—A grass especially adapted to low, wet soils. Also good mixed with Blue Grass and used for lawn purposes. Postpaid, lb., 25c.

**Orchard Grass**—Can be used in mixed pasturage, as it comes very early; also in shaded situations. Postpaid, lb., 35c. By express, pk., 60c; bu., \$2.00.

**Timothy**—Too well known to need description. We make a specialty of cleaning this seed, having a mill made for the purpose, and we think our best grade is not excelled. Market price.

**Mixed Lawn Seed**—We have a formula for mixing this which we have used very successfully for years. By mixing it ourselves we know that only the best qualities of the different seeds are used. We always recommend its use for this latitude. Many other grasses might be used, but they are not hardy enough for our trying climate, and it is a useless expenditure trying to get them to grow here. Price, postpaid, lb., 35c; 3 lbs., \$1.00; not prepaid, lb., 20c; 3 lbs., 50c; 10 lbs., \$1.50.

## MILLET.

**German or Golden**—Medium early; height three to five feet; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough, bristly sheaths. Sow broadcast, one bushel to the acre for hay, one half bushel if for seed, from May 1st to August 1st. Postpaid, lb., 15c.

**Common**—A shorter variety than the above, and preferred by some on account of smaller straw, but it does not erop so heavy. Postpaid, lb., 15c.

**Hungarian**—Early; two or three feet in height; abundant foliage and slender head; withstands drouth, yields well on light soils. Postpaid, lb., 15c.

## NEW CRIMSON CLOVER.

Should be sown at the rate of twelve to fifteen pounds to the acre. In the northern states from about July 1st to September 1st, and in the southern states it can be sown as late as October or November. It is hardy and will grow during the fall and spring months or warm spells in the winter. Makes good winter pasturage. It can be sown on ground after the crop is "laid by" in the summer, and it will make sufficient growth before the coming spring at plowing time, so that when it is plowed under it supplies the ground with an excellent fertilizer, and no time is lost, as is necessary when using the Red Clover to "bring up" worn out land. It makes the very best clover hay, cut before seed is formed or when in full bloom. Is about two weeks earlier than Red Clover; prefers rather light, sandy loam. Recommended for latitude of southern Iowa and the south. Not prepaid, pk., \$1.10; bu., \$4.00; postpaid, lb., 25c.

## CLOVER SEED.

Try our choice re-cleaned Clover Seed. We often take out enough foul stuff in clearing seed to make a difference of 50 to 75 cents in value on a bushel. This you lose when buying it in the rough.

## ALFALFA CLOVER.

No other variety of Clover is causing so much talk, or attracting more attention at this time than Alfalfa Clover. This is largely due to its superior drouth-resisting properties, a quality so desirable during our recent dry seasons. When other hay crops have failed entirely, a well established field of Alfalfa has shown no signs of failure, but produces a good crop every time. It requires a sandy soil having a gravelly subsoil, as, while it can stand almost any amount of drouth, it will not stand it to have water remain any length of time about its roots at the surface. It is a prodigious cropper, yielding as high as five to seven tons of hay per acre. It can be cut three and four times during the season after being well started. If sown early, it is best to sow it alone, and it will take care of itself. If, however, seeding should be delayed, or the ground is weedy, it is best to sow with a light seeding of barley or oats, and cut them as soon as possible. This will protect the Alfalfa until it gets a start of the weeds. You can afford to lose one year getting this clover started, as it more than makes up for it in heavy yield. After well established it is good for an indefinite number of years. Never sow less than twenty-five pounds of good, clean seed per acre. Thin sowing produces thick and coarse stalks, not relished by stock. Postpaid, lb., 25c; not prepaid, pk., \$1.10; bu., \$4.25.

**White Dutch Clover**—Grows naturally in a great variety of soils and situations, is one of the best in mixed pasture for cattle, and is an indispensable requisite in parks and lawns. Sow at the rate of five to six lbs. to an acre. Postpaid, lb., 35c.



ALSIKE.

**Alsike Clover (Swedish)**—Sow it in sloughs and wet places. It will grow a good crop of hay where you have possibly only grown "bull grass" heretofore. It has fibrous roots (no tap root), hence does not heave by frost. In size it is intermediate between the White and Red Clovers. Is valuable for pasture when mixed with other grasses, and is annually growing in favor among farmers. Esteemed highly for bee pasture. Sow six lbs. to the acre. Postpaid, lb., 25c.

**Medium or Common Red**—Best general purpose variety. Especially good for hay. Market price.

**Mammoth (Sapping or English)**—Desirable for mixed hay, rop, and for plowing under as fertilizer. Market price.

For larger quantities than quoted above write for special prices.

# CHOICE SEED POTATOES.

We offer none but the best and most popular leading varieties, and none but what we know to be good. Many of the new sorts coming out annually contain no merit whatever over the old varieties. We select a few of the best and most distinct kinds, and offer them only. We book orders at any time and fill them in rotation just as soon, in our judgment, as the weather will permit. Customers will oblige by stating about what time they would like to have them. We ship quantities of a peck and upwards at purchaser's expense. By mail, postpaid, we will sell one pound, 30 cents; three pounds of any one kind, 75 cents.

"New Potato Culture," by Carmen—75c. "A B C of Potato Culture," by Terry—35c.



EXTRA EARLY OHIO

**Extra Early Ohio**—Undoubtedly the earliest potato grown. You can always dig an Early Ohio just a few days sooner than any other variety, are good and dry for eating soon as large enough, and from that time (about June 10th) until potatoes come again. We are very careful of our seed of this variety. Northern grown seed. Pk. 45c; bu. \$1.50; bbl. \$4.00.

**Early Ohio** (Home grown seed)—Good stock, but not so smooth as the northern grown seed. Pk. 40c; bu. \$1.25; bbl. \$3.25.

**Early Rose**—The old standard early potato so familiar to every one. Pk. 40c; bu. \$1.25; bbl. \$3.25.

**Early Beauty of Hebron**—One of the best early varieties; productive. Similar in shape and color to the Early Rose. Pk. 40c; bu. \$1.25; bbl. \$3.25.

**Seneca Beauty**—The tubers are large to very large, very smooth, with few eyes close to surface, of beautiful pink color; uniform in size and shape, scarcely any small ones. Vines rank and healthy, loaded with beautiful blossoms. *Table qualities unsurpassed.* Good keeper and heavy cropper. One point in its favor is its distinct appearance in shape and color, on which account it can be kept pure and easily selected. Pk. 40c; bu. \$1.25; bbl. \$3.25.

**Livingston's Banner**—Handsome in appearance; skin light cream color; slightly russeted; handsome shape, slightly oblong and flattened on the sides. Few and shallow eyes; almost entirely scab proof, as shown when grown at same time with other varieties which were badly affected. Of large size, very few small ones, and never prongy. No sorting necessary; growth is vigorous from the very sprout, consequently a good drouth-resisting sort. Of fine quality. When either baked or boiled it is white as flour. Never hollow. A main crop-all-purpose potato. Medium late in time of ripening. Pk. 50c; bu. \$1.40; bbl. \$3.75.

**Rural New Yorker No. 2**—This potato is of large size and unusually smooth; has few and shallow eyes, oblong, is inclined to round, slightly flattened; the skin white, also the flesh; of superior quality. Matures medium late. The yield is very large and uniform. Pk. 40c; bu. \$1.25; bbl. \$3.25.

**The Bonanza**—A splendid medium late sort, especially desirable for main crop. Large, slightly oblong and flattened; skin smooth, rose color, very distinct—your customers get to know them. Eyes shallow, flesh white, fine grained and dry; good flavor. Very productive. Pk. 40c; bu. \$1.25; bbl. \$3.25.

## SWEET POTATOES.

*One bushel, under favorable circumstances, will produce 2,500 plants.*

We get Sweet Potatoes from growers who make a business of storing and packing for seed purposes. They are properly handled and will produce large, vigorous plants abundantly. We begin shipping about April 10th. As they sometimes begin rotting soon after leaving the storage house, customers must be prepared to



put them into the beds as soon as they arrive.  
**Yellow Jersey**—Pk. 50c; bu. \$1.25; bbl. \$3.00.  
**Yellow Nansemond**—Pk. 50c; bu. \$1.25; bbl. \$3.00.  
**Red Jersey**—Price on application.  
**Book on Sweet Potato Culture**—60c.

## FIELD PEAS.

"Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at a cost of millions of dollars."—*Year-book of the U. S. Department of Agriculture.*

For the northern states there is no crop of greater value than field peas and is more neglected, which can only be attributed to a lack of knowledge as to its merits. Whether for fodder, in mixture with oats, sown at the rate of two bushels each per acre, or the peas sown alone at the rate of three bushels per acre, for plowing under, there is no crop that we can so strongly recommend for more extended culture. Like all leguminous crops, peas have the power of extracting nitrogen from the air, and the soil from which a crop of peas has been harvested is richer in nitrogen than before the peas were sown upon it, and there is no kind of live stock on the farm to which peas and oats in mixture cannot be fed with positive advantage.

**Canada White**—Peck, 50c; bu., \$1.50.

**Canada Blue**—Peck, 50c; bu., \$1.50.

Special prices in quantity.

## SEED WHEAT.

The native fertility of the soil having been in a great measure restored in recent years, by the use of clover as a fertilizer it has been discovered that the yield of wheat per acre is as great as in former years. This, together with the increased price now prevailing, should justify the sowing of wheat in liberal quantities.

**Velvet Chaff, Blue Stem**—The best sort that has ever been found for the central west. A large yielding, beardless spring variety, not subject to rust. It brings the highest price in market. Lb., 25c, postpaid. Pk., 60c; bu., \$1.50. Write for price on larger quantity.

## TREE SEEDS.

**Osage Orange**—Best of all hedge plants. By mail, postpaid, oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 40c; 5 lbs., not prepaid, \$1.00.

**Catalpa (Speciosa)**—The hardy western variety, largely planted. Rapid grower and makes the best timber trees. By mail, postpaid, pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; lb., 75c.

**Honey Locust**— $\frac{1}{4}$  lb., 15c; lb., 40c; 5 lbs., not prepaid, \$1.25.

## LIVINGSTON'S

# MAMMOTH ARTICHOKE.

A fine white variety, producing large crops of this truly excellent root for hog food. It is also good for cattle, horses and sheep. It increases flow of milk when fed to cows. They are made into pickles; can be eaten raw, and are cooked by some. They are, however, of greatest value used as hog food. They are the cheapest and healthiest hog food grown. The hogs simply help themselves, and save the trouble, time and hard work of digging. If left in the ground they do not hurt by any amount of freezing and thawing; so you can turn in the hogs on them in the fall or spring; in the fall, in this latitude, about October 1st is the proper time. When they begin to sprout in the spring the hogs should be removed, as they will soon destroy them. If at any time you wish to destroy them from a piece of ground, let them sprout in the spring to about one foot high, then plow under or turn in hogs, and there will not be many left. They can be planted spring or fall. Cut tubers same as potatoes, only smaller; plant in rows  $3\frac{1}{2}$  feet apart, 18 inches in the row. Plow deep; plant shallow, about two inches; cultivate same as corn first season; they don't need it after the first season. They yield 500 to 1,000 bushels to the acre. Drouth does not seem to affect them but very little, if any. Lb., 25c, postpaid; pk., 40c; bu., \$1.00; 5 bu. (enough for an acre), for \$3.75.

## INSECTICIDES.



### SLUG SHOT.

Non-poisonous; no danger need be apprehended by the person applying it, nor will it injure chickens or animals should they eat it, unless in large quantities. It does not render injurious the vegetables and fruits on which it is applied, and yet it is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects. It comes ready to be applied, and is simply dusted lightly on, so that it reaches all parts of the plants. For further information send for Slug Shot Circular; sent free.

**Prices**—By mail, postpaid, lb., 25c; not prepaid, 5 lbs., 35c; 10 lbs., 60c; 50 lbs., \$2.50; 100 lbs., \$4.50. Barrels, holding 235 pounds, net  $4\frac{1}{4}$  cts. per lb.

**Dusters for Slug Shot or other Powders**—One-half gallon size, 30c.

### GRAPE DUST.

Is a preparation to kill the destructive mildew that strikes the grape vine, affecting the leaves, fruit and stems. "Grape Dust" is a compound which is quicker and more effectual in its action than sulphur. The price is as low as sulphur, and it will spread further. Applied with bellows. Price, per 5 lbs., 40c; 10 lbs., 60c; 100 lbs., \$5.00. By mail, postpaid, lb., 25c.

### PERSIAN INSECT POWDER.

The best known of all insect destroyers, and when fresh is almost sure death to all kinds of insects. Postpaid, oz., 7c;  $\frac{1}{4}$  lb., 20c; lb., 65c.

### WHALE OIL SOAP.

One of the cheapest and most effective remedies to destroy slugs, bugs, insects, etc., on trees, plants, etc. Dissolve one pound in seven gallons of water and sprinkle on the foliage. Postpaid, lb., 30c; not prepaid, lb., 15c; 8 lbs., \$1.00.

### SULPHO-TOBACCO SOAP.

In this preparation we offer to the florist, to the amateur grower, and all who are interested in flower growing, either indoor or outdoor, a tobacco preparation which meets the necessity for an easily applied and absolutely effectual insect destroyer. It is dissolved in warm or cold water and sprinkled or sprayed over the plants. Very easily done, very effectual; absolutely safe to use on tenderest plant, and is non-poisonous. It is a very vigorous fertilizer. Per package, 10c; by mail, postpaid, 15c.

**Tobacco Dust**—Very effective, being leaves and not ground stems; much used on cabbage and in vegetable hot-houses. Lb., 10c (by mail, postpaid, 30c). By express, 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00.

**Lambert's Death to Lice**—Is one of the best and cheapest insect powders on the market. It will rid your fowls and chicks of vermin, keep the nest boxes free from lice, and assist you in making poultry pay. It will also destroy lice on horses, cattle and plants, fleas on dogs, keep moth away from carpets and furs. Always use externally. Full directions with every package. Price per box, 15 oz., 25c; by mail, 40c.

## POULTRY SUPPLIES.

# PRATT'S POULTRY FOOD



TRADE MARK REGISTERED

Hen's lay regularly when fed on Pratt's Poultry Food. It costs less than one cent per day to feed 15 or 20 large fowls. Small chickens, turkeys, ducks or geese about half that amount. It is pure and free from poisons and all other injurious ingredients. Cures and Prevents Chicken Cholera, Roup, Gapes, and all diseases of the flock. Young Chickens grow quicker and free from disease when used according to simple directions on every package. Price, 25 oz. pkg. 25c; 5 lb. pkg. 60c; 12 lb. bag \$1.25.

## CRUSHED OYSTER SHELLS.

Very uniform and clean. The necessity of crushed shell as a poultry food is now universally acknowledged. Those who have not tried it should do so at once. The advantages gained by its use are healthy chickens, better layers, and a less number of eggs lost in shipping, by reason of the shells being much stronger. Every one should have a box or pan of shell set where the chickens can have free access to it, and they will soon show you how much they think of it. Price, 10 lbs. 25c; 25 lbs. 50c; 100 lbs. \$1.40.

## BONE.

**Pure Crushed Bone**—A coarse article, used in large quantities for feeding poultry. It is about the size of small grains of corn, and is readily eaten by all fowls, especially if warmed slightly. 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

**Fine Bone Meal**—Ground fine for feeding small chickens. Price, 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

## LICE KILLERS.

**Lambert's Death to Lice**—Is one of the best and cheapest insect powders on the market. It will rid your fowls and chicks of vermin, keep the nest boxes free from lice and assist you in making poultry pay. It will also destroy Lice on Horses, Cattle and Plants, Fleas on Dogs, keep Moths away from Carpets and Furs. Always use externally. Full directions with every package. Price, 5 oz. box 10c; 15 oz. box 25c; 48 oz. pkg. 50c; 100 oz. pkg. \$1.00. If to be sent by mail, add one cent per ounce to pay postage.

**Lee's Lice Killer**—A liquid, designed especially for poultryman and farmer. It is simply applied with a brush to roost poles, and not only kills all body lice on the fowls, but also the red mites. A cure for scaly leg in fowls; a remedy for Rats, Roaches, Ants, Bed Bugs and insects on vegetables and house plants. ½ gal. can 50c; 1 gal. can 75c.

**Persian Insect Powder**—A splendid thing to kill lice with if it's fresh. ¼ lb. 25c; 1 lb. 75c, postpaid.

**Powder Gun**—Small, 15c; ¼ lb. size, 25c postpaid.

**Nest Egg Gourd Seed**—Plant some and raise your own nest eggs. Pkt. 5c; ¼ oz. 15c; oz. 25c.

Poultry Supplies are sent only at purchaser's expense of freight or express, except where we say "Postpaid."

**Poultry Wire Netting**—A well galvanized article of 2-inch mesh, put up in rolls of 150 feet in length and of different widths. Prices per roll as follows: 18 inches wide, \$1.10; 24-inch, \$1.40; 36-inch \$2.10; 48-inch \$2.75; 60-inch, \$3.50; 72-inch, \$4.10. Quantities less than roll will be supplied at the rate of one cent per square foot.

**Galvanized Staples**—For putting up netting. Per lb. 10c.

**Cracker Crumbs**—Especially desirable for chicks. Per barrel, \$1.50.

**Linseed Oil Meal**—10 lbs. 20c; 25 lbs. 40c; 100 lbs. \$1.25.

**Sunflower Seed**—One of the best foods known for poultry, keeping them in good health, and glossy plumage. Lb. 25c, postpaid; 10 lbs. 75c; 100 lbs. \$4.00.

**Hemp Seed**—For birds or pigeons. 10 lbs. 75c; 100 lbs. \$5.00.

**Porcelain Nest Eggs**—Desirable in cold weather. Each 5c; doz. 30c.

## POULTRY PAPER FREE!

One year's subscription to the **West-ern Garden and Poultry Journal**, published at Des Moines, Iowa. The best garden and poultry paper in the West. Will be given free with every order for **Seeds** amounting to \$1.00 or more at our regular Catalogue rates. No other discount can be taken advantage of in connection with this. Sample copies free on application to publisher.

## POULTRY BOOKS.

**Turkeys and How to Grow Them**—The best methods to insure success in the business of Turkey raising. By Herbert Myrick. Price, \$1.00.

**Five Hundred Questions and Answers**—In Poultry raising. Chapters on feed and care, diseases, eggs, incubation, buildings. Price, 25c.

**American Standard of Perfection**—Adopted by the American Poultry Association. Price, \$1.00.

**An Egg Farm**—By H. H. Stoddard. The management of Poultry in large numbers. Price, 50c.

**Low Cost Poultry Houses**—Plans for buildings costing from \$25 to \$100. Price, 25c.

**Duck Culture**—By James Rankin. Natural and artificial. Price, 50c.

**Poultry Culture**—By I. K. Felch. How to raise manage, mate, and judge thoroughbred fowls. Bound in cloth. Price, \$1.50.



## MICA CRYSTAL GRIT.

A very necessary article to all who keep poultry at all times, but more especially so during the winter when closely confined or the ground is covered with snow. Much of the diseases common to poultry would be prevented if they were supplied with this highly necessary article. Without it their food cannot be digested. One might as well expect to remain healthy by taking food into the stomach without first chewing it. "The proof of the pudding is in the eating;" so we say try it and see how the fowls enjoy it. 10 lbs. 25c; 25 lbs. 50c; 100 lbs. \$1.50.

**FRUIT PACKAGES.**

A neat, clean fruit package, in which to put your fruit, goes a long way towards selling it, and for highest market price. We carry a large stock and can usually supply in any quantity, from 1,000 to car load, of the **best Michigan White Wood**. The quality is unexcelled, the wood being of the toughest fibre and close grained; hence no loss in making up. In ordering boxes it is best to get also a Form, Magnetic Hammer and Tacks, so you are ready to go ahead without delay making your boxes.

**BOXES.**

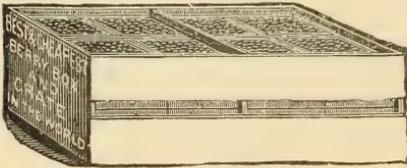
We use the Hallock patent quart, which consists of two pieces, and can be rapidly put together, making the strongest and most durable box made. Write for prices in larger quantities. Price per 1,000, \$2.50.

**Tacks** — For putting the quart boxes together — one pound to 1,000 boxes — oz., 5c; lb., 30c.

**Magnetic Hammers** — Which will take up the small tacks very rapidly without the aid of the fingers. 15c each; 2 for 25c.

**Forms** — Over which to make boxes, having an iron plate on one side to clinch the tacks on. Each 25c.

**Wire** — For using on machine, \$1.25 per coil.



**CRATES.**

Our 24 quart crate is a beauty, light and very strong. This size is now almost universally used in the west; will stand rough usage in shipping, being very strong. Price for 100 (in the flat), \$7.50.

**GRAPE BASKETS.**

We buy car lots, and make price as low as any one, considering stock. Special price on large quantities.

**CLIMAX BASKET.**

Has wooden bottom and light covers, and is the one most generally used, being very strong, so that fruit can be shipped any distance without injury. The baskets are nested and the handles shipped separately, for convenience in handling. We furnish wire and stapling for fastening lids on; also tacks for handles. \$3.00 per 100; \$28.00 per 1,000.

**DIAMOND MARKET BASKET.**

These are made of nice, straight-grained elm splints, so cut as to be very smooth. Are shipped nested. They hold about twenty pounds of grapes. Dozen, 35c; 100, \$2.75.

**BUSHEL BASKETS.**

We have secured the finest stock of these possible. They are nice and smooth, inside and out; made of elm and have good strong handles. They are so cheap no gardener can afford to be without them, or to use old store boxes, which are at all times unsightly, and hurt the sale of the best fruits and vegetables. Each, 20c; dozen, \$1.50.

**POT LABELS.**

No.	Inches long.	Inches wide.	Per 1,000.
1	3 1/2	3/4	.25
3 1/2	3	1/2	.25
4	4	3/4	.35
6	6	3/4	.50
7	5	1 1/8	.75
8	8	3/4	.60
10	10	3/4	.75

Fruit packages are shipped at expense of purchaser.

**FERTILIZERS.**

Express or freight to be paid by purchaser.



**Bowker's Food for Flowers.**

Perfectly odorless and clean. Full directions and the care of household plants is given in a little booklet entitled "Window Gardening" free with each package. Small package, 15c; postpaid, 25c. Large package, 25c; postpaid, 40c. (Cut shows large package.)

**Land Plaster or Gypsum.**

A good thing to sprinkle over fresh cut seed potatoes. Excellent to mix with Paris Green, at the rate of 100 lbs.

of plaster to 1 lb. of Paris Green, to kill bugs, worms, etc. One hundred pounds, \$1.00; per barrel, \$2.00.

**PURE GROUND BONE.**

Good for all purposes; especially adapted for lawns and florists' use. Price, per lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 100 lbs., \$2.25; bag (200 lbs.) \$4.00.

**NITRATE OF SODA.**

Should be sown broadcast, very evenly. It has the effect of warming up the soil and giving vegetables an early start, and aids in bringing them to a quick maturity. Two or three pounds on a square rod will be found very beneficial. 25 lbs., \$1.30; 50 lbs., \$2.50; 100 lbs., \$4.75.

**SUPERPHOSPHATE.**

Analysis — Ammonia, 2 1/2 to 3 1/2 per cent; soluble phosphoric acid 4 to 4 1/2 per cent; reverted phosphoric acid 4 to 4 1/2 per cent; insoluble phosphoric acid 4 to 4 1/2 per cent; actual potash 0.54 to 1.08 per cent. Stands without a rival as the largest crop producer at the smallest outlay. 5 lbs., 30c; 10 lbs., 50c; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50; bag of 200 lbs., \$3.50; 3 bags for \$10.00.

**Improved Transplanting Dibble.**

Especially designed for setting out all kinds of plants. Is superior in design and finish, making a smooth hole, into which the soil will not easily fall. Is made entirely of iron, is hollow, thus avoiding unnecessary weight. Very strong, and just fits the hand. Each, 35c; postpaid, 50c.



**Scolley's Plant Sprinkler.**

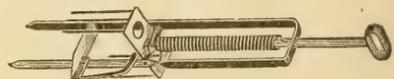
Indispensable for floral work or window gardening. Very useful for dampening clothes, or for all purposes where sprinkling is necessary. They are often used for years constantly, and apparently remain as good as when new.

**Large Size** — Either straight or angle neck. Each, \$1.00; postpaid, \$1.10.

**Medium Size** — Each, 75c; postpaid, 83c.

**Small Size** — Each, 50c; postpaid, 56c.

**REDDICK MOLE TRAP.**



All the old traps boiled down into a better one, at a much less price. No mole can pass under it and live. Easily operated, can be set in a moment. Will last a lifetime with proper care. We have sold this trap for several years, and the satisfaction given has been universal. Directions for operating goes with each trap. Price, 90c; cannot be sent by mail.

**LITTLE GIANT BROADCAST SEED SOWER.**

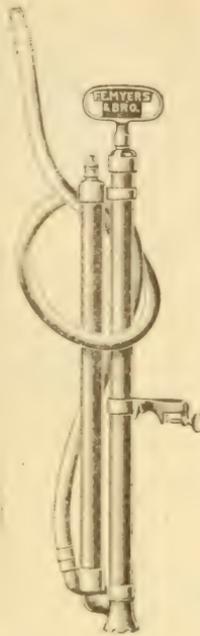


We feel safe in saying that this is the best Hand Broadcast Seed Sower in the market. It is simple in construction, light, strong and durable, and has a pressed tin distributing wheel, and weighing but 3 pounds complete. Has an agitator to prevent the seed clogging the opening.

It will distribute flax and clover seed thirty-six feet, wheat fifty feet, timothy twenty-seven feet, oats thirty-six feet to the round.

Fiddlebow..... \$1.50  
Crank..... 2.25

**MYERS' BUCKET BRASS SPRAY PUMP.**



With Agitator complete with hose, combination Fine and Coarse Spray and Solid Stream Nozzle. This Spray Pump is constructed of brass and is not affected by the poisonous arsenites used for spraying. It is arranged so that the heavy work is done on the down stroke of the plunger and nothing on the up. It is thus very easy to operate and has extraordinary power. Will throw a solid stream 50 feet, and is of unusual value for washing windows, etc. For spraying it is arranged so that it discharges a fine jet in bottom of bucket to keep the solution thoroughly mixed and agitated. The pump is provided with a combination nozzle, and also with a sprinkler for flowers, and will throw a spray as fine as mist, or as coarse as required. Price, complete, \$3.75.

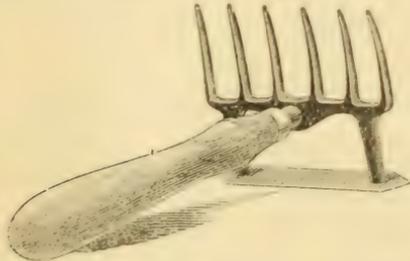
For price on "KNAPSACK SPRAYER," also the "Maud S." Spray Pump for large orchards, etc., please write for descriptive list.

**LANG'S HAND WEEDER**



HANDIEST TOOL ON EARTH. 25c By MAIL PREPAID

THE COMBINATION WEEDER.



Combining both the rake and hoe. It is a Perfect Weeder. Specially adapted to cutting weeds and grass, shallow cultivation, and stirring of the soil of all garden crops and flower beds. It is neatly and strongly made, the blade of the best spring steel, sharpened on both edges. Price 30c; post-paid, 40c.



**EXCELSIOR WEEDING HOOK.**

Indispensable to the cultivator of flower or vegetable garden. Price, 15c each; post-paid, 20c.

**GARDEN TROWELS.**

Very useful in loosening the soil or in transplanting of plants. Six inches in length, 20c post-paid; 7 inches in length 25c, postpaid.

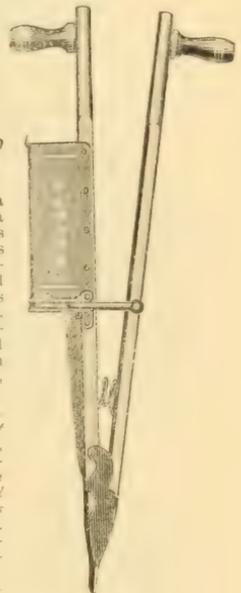


**New Handy Digger**—This trowel is one solid piece of steel, Shank and blade, very strong, and will not pull out of the handle. Small, each 25c; large 50c, postpaid.

**CORN KING Corn Planter**

The Corn King has a rotary drop with extra plates of different sizes so as to plant more or less grain, or grain of different sizes. It has hard wood shafts and handles with spring steel points. A strictly first class Planter in every respect, and we believe the best on the market for the price, which is only \$1.25.

*Mrs. Sylvester Carter, of Union county, Iowa, writes, April, '07: "We have purchased all of our Garden Seeds from you for several years, and have always found them to be very good. We are pleased to recommend them to our neighbors."*



**PLANT STANDS.**

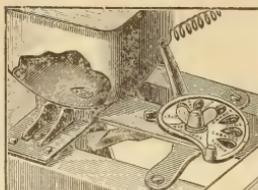
Did you ever think what a convenience they are? Convenient in moving the plants all at one time about the room. It is the work of a moment to run them away from the window to the fire on cold nights, or out in the kitchen for a shower bath, or from one window to another to get the full benefit of the sun. In the evening, with fire burning brightly, and with blinds and shutters closed, what can be more pleasing than a few choice plants on an elegant plant stand which has been turned away from the window and facing the room. Prices range from \$2.25 to \$6.50. Send for descriptive list.

# THE NEW MODEL SEED DRILL.

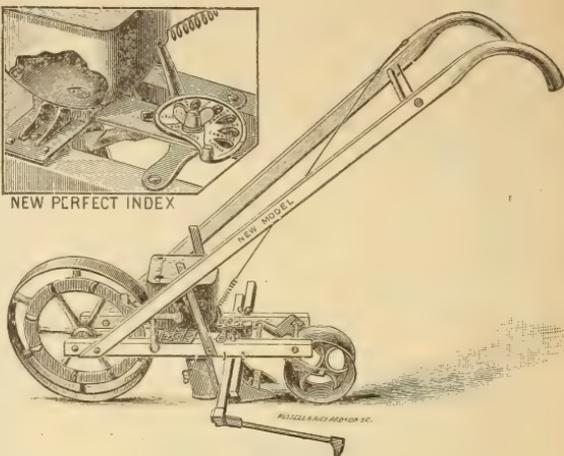
This drill contains all the good points of every old drill in the market. The slide, or hole through the slide, where all the seeds have to pass, is adjustable, and the slide can be changed to a fraction by the operator, thus admitting exactly the quantity of seed required. The hole is diamond shape, as shown in cut, which is another advantage for rough or irregular shaped seeds.

**Index**—As shown by enlarged cut, the index or indicator is plain, convenient and reliable. It is placed in open sight, immediately under the eye of the operator, and can be quickly adjusted to the slightest variation desired. As the names of the principal seeds are plainly shown on the index itself, it is not necessary to refer to any table of references.

**Cut Off**—The flow of seed can be instantly stopped by swinging cut-off, conveniently operated by a cord and ring on handle. This cut-off prevents all loss of seed at end of rows, and its swinging or gravity form will be found far more preferable to one that slides under, as it cannot injure the falling seeds. Factory price, \$9.00. Our price only \$6.50.



NEW PERFECT INDEX



NEW MODEL DRILL.

## McGee Garden Cultivator.

For hand cultivation no tool has ever been produced that excels the McGee Garden Cultivator, either in ease, quickness or thoroughness of work. It has an arch frame and two wheels, like a tongueless cultivator. Springs between the beams, or handles, and arch, enables the operator to control easily, accurately and instantly the side movement of the knives or cultivators. The McGee is furnished with a set of weeding knives and a set of cultivators, but other attachments for all kinds of work are made. Send for price list of attachments. Price only \$4.25.

## Gardeners, Here's a Chance.

Any one sending us \$10.00 we will send the Model Drill and McGee Cultivator, both complete, providing order reaches us before March 15th. We will also send American Gardening free for three months.

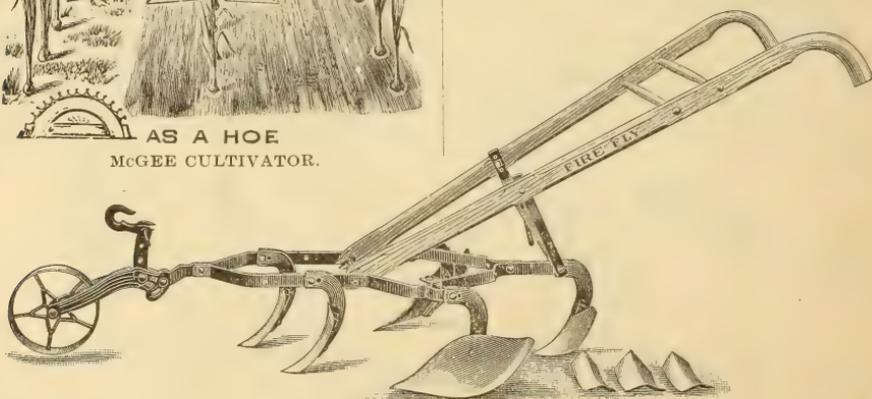


AS A CULTIVATOR



AS A HOE

MCGEE CULTIVATOR.



## THE FIREFLY FIVE-TOOTH CULTIVATOR.

This is a new model Five Tooth Cultivator and Horse Hoe, with solid frame, stiff handles, adjustable in height, open frame, hollow steel standards. No expanders or hinge. Outside width of frame 18 inches. Width of cut quickly changed from 25 to 12 inches, by loosening two set screws. No loose joints; low frame, but no clogging; work in open view; the most desirable cheap Cultivator and Horse Hoe ever invented. About half the weight of some of the heavy ones. Easy for horse and man, but easiest of all to buy. The price is only \$5.50.

# "PLANET JR." GARDEN TOOLS.

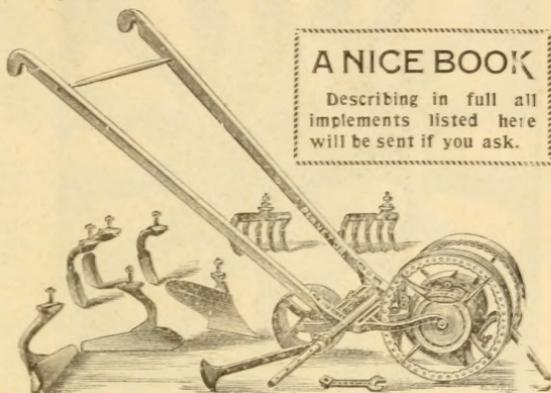
Freight prepaid to your Station if not to exceed 200 miles from Des Moines, Iowa, or Peoria, Illinois.

## "PLANET JR." COMBINED DRILL.

Is unexcelled for convenience and capacity for work. It is suitable for either farm or the garden. As a seed drill it does the work perfectly. For the care of the crop it is supplied with a pair of rakes, a pair of hoes, three reversible cultivator teeth, and a large garden plow. As a Rake it is used for delicate cultivation of the crop and for covering seeds, etc. As a Hoe it works safely and closely both sides of the row at once when plants are small; between rows when plants are large. As a Plow it opens furrows, covers them, plows to and from the rows, etc. As a Cultivator it is admirably adapted to deep, mellowing of the soil. All the blades are tempered and polished steel. Price, \$9.00.

### A NICE BOOK

Describing in full all implements listed here will be sent if you ask.

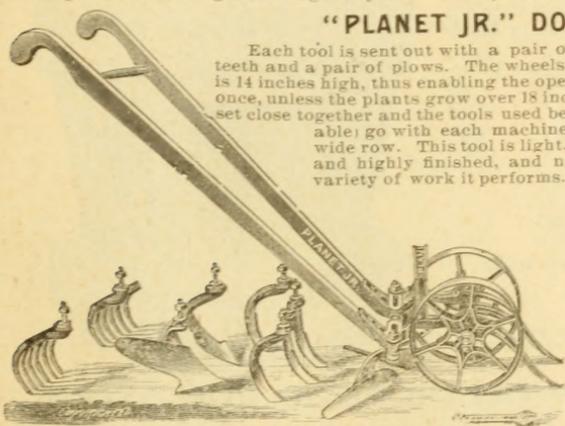


## "FIRE FLY" CULTIVATOR.

The "FIRE FLY" Single Wheel Hoe, Cultivator and Plow combined has the broad faced wheel, combines lightness and strength with the greatest adjustability, while its highly polished and tempered steel tools make gardening comparatively a pleasure. The tools, a pair of admirable hoes, which can be set to work to and from the row; a set of three reversible cultivator teeth, to be used together or singly, or in conjunction with the hoes, a large excellent Garden plow. The whole tool is light, strong, and capable of standing hard usage for years. Price \$3.75.

## "PLANET JR." DOUBLE WHEEL HOE.

Each tool is sent out with a pair of rakes, a pair of hoes, four cultivator teeth and a pair of plows. The wheels are adjustable in height and the arch is 14 inches high, thus enabling the operator to work both sides of the row at once, unless the plants grow over 18 inches high; even then the wheels can be set close together and the tools used between the rows. Leaf guards (detachable) go with each machine, to be used where plants extend into a wide row. This tool is light, very simple, made of the best material, and highly finished, and nothing can exceed the perfection and variety of work it performs. Price only \$6.00.



PLANET JR. DOUBLE WHEEL HOE.

reverse motion of the thumb at once sets it to drilling again; the 15-inch drive wheels, with 2-inch rim, makes it run easily and regular in fresh plowed ground. Send for a circular describing in full this newest of seed drills. Price, \$9.00.

## "PLANET JR." HILL DROPPING DRILL

Not only drops in the hills, but will drill as evenly as any other if desired and can be changed in a moment to drill, sow, or drop all kinds of seeds, from beans to smallest sized seeds. The seed is discharged by force feed, which will not injure it, and yet assures a regular discharge, whether hopper is full or almost empty; the flow can be immediately stopped by the thumb and while in motion. A

## "PLANET JR." HORSE HOE AND CULTIVATOR COMBINED.

Has patent lever expander, handles adjustable sidewise and in height, high steel frame, parallel side bars and hollow steel standards. By means of the Lever Expander it may be quickly changed in width from wide to narrow, or one side remain contracted while the other is expanded. The side hoes today are not only reversible and quickly turned when worn, but are wider, and of a wider sweep, clean better than formerly, and the points are strengthened. A new and valuable feature is a *lever wheel*. It is light, strong, can be changed in an instant to suit any depth. Nothing that has ever been offered has ever been so complete. The variety and quality of work done by this improved favorite is very great. The high frame and steel standards prevent clogging, and the convenient and perfect adjustment make the use of it a pleasure. Price reduced to \$7.25.

## "PLANET JR." TWELVE TOOTH HARROW AND CULTIVATOR.

Especially adapted to shallow cultivation close up to the crop when small. It widens or narrows in an instant; cuts deep or shallow. Used largely by strawberry growers, as the round throated teeth lift the plants, turn them aside without injury, leaving them ready to root in the mellow soil; made so by the numerous small teeth. Price—plain, \$5.00; with wheel, \$6.25; complete with pulverizer, \$7.50.



**New White Beauty Sunflower.**  
A Sunflower with Snow-white Seeds.  
A Novelty, sure.

After years of careful selection we have a mammoth single-headed variety in the White Beauty; and, owing to this feature, it is a marvel of productiveness. It is said to have yielded at the rate of 2,500 lbs. to the acre. Very highly esteemed for Stock and Poultry Food. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c.

**MUSHROOMS.**

Can be easily grown in an ordinary cellar or barn, and it is one of the most profitable crops to grow.

**Mushrooms. How to Grow Them**—The most practical work ever written, and the only one published in this country. Price, \$1.50.

**ENGLISH MUSHROOM SPAWN.**

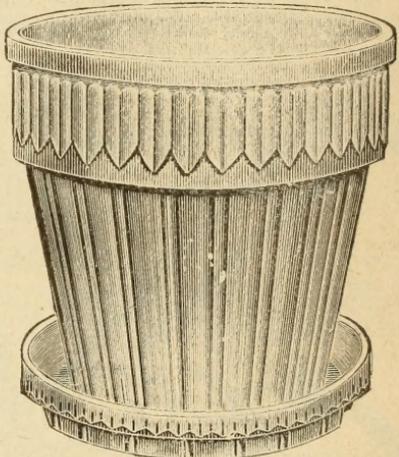
It comes in pressed bricks, weighing about twenty ounces. These are broken up into pieces the size of a walnut, and put into the bed eight inches apart each way. Price, per brick, 25c; 5 lbs., \$1.00, postpaid. By express or freight, 10 lbs., \$1.20; 25 lbs., \$2.50; 100 lbs., \$7.50.

**FLOWER POTS.**

We carry a very complete stock of these, and can supply in large or small quantities. All orders to be shipped should amount to at least \$1 00, when we pack and deliver to our depot free of cost.

POTS.	EACH.	DOZ.
4 inch .....	\$ .04	\$ .40
5 inch .....	.05	.60
6 inch .....	.07	.75
7 inch .....	.09	1.00
8 inch .....	.15	
9 inch .....	.20	
10 inch .....	.25	
12 inch .....	.50	
15 inch .....	1.00	

Saucers one-third the prices for Pots.



*Mr. Chas. E. Mitchell, Steel Co., N. D., writes: "I received the order all O. K. and in good condition. Am much pleased with the drill. It is all and more than I expected, and your seeds were all right and can't be beat, as I know by experience."*

**PRATT'S FOOD FOR STOCK.**

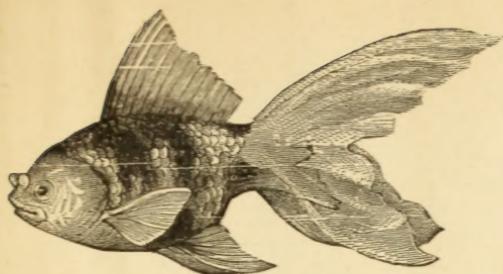
We have sold Pratt's Food for eight years, and there is nothing we sell that we can recommend with greater confidence. A valuable book telling how to care for domestic animals and directions how to feed go with every package of Pratt's Food.

**What It Does for Horses.**—Regulates the bowels, blood and digestive organs, and prevents indigestion, loss of appetite, worms, grubbs, botts, colds, colic, hide bound, epizooty, exhaustion, contagious diseases; makes the coat glossy and shed nicely; produces bone, muscle, staying powers, improves the wind. 7 lb. package, 50c; 12 lb. bag, 75c.



**SOME GOOD BOOKS.**

- THE YOUNG MARKET GARDENER.** By T. Greiner. A guide to beginners. 50c.
- A FORTUNE IN TWO ACRES.** Valuable. 20c.
- ONIONS, THE NEW CULTURE.** By T. Greiner. 50c.
- POTATOES, THE A B C OF.** By T. B. Terry. 35c.
- MY HANDKERCHIEF GARDEN.** By Barnard. 25c.
- SPRAYING CROPS.** 25c.
- SUCCESS IN MARKET GARDENING.** By Rawson. \$1.00.
- LIVINGSTON AND THE TOMATO.** \$1.00.



JAPANESE FANTAIL.

## AQUARIUM SUPPLIES.

We keep constantly on hand a fine stock of Fish and Aquarium Supplies, and by the way, nothing costing so little is so universally admired as a globe of gold fish properly equipped. We make up outfits running from 50 cents upwards. You can start with but very little outlay, and then exchange your globe, etc., for large or more expensive one as you feel able. Aquaria supplies sent by express.

**Gorgeous Tailed Gold Fish.**—These are now considered more desirable and rare, and certainly more graceful in their movements than the Fantailed Fish. The tail of this species is frequently as long as the body. Each, 25c to 50c.

**Japanese Fantails.**—These are great beauties and comparatively rare. The tail spreads out in fan shape, a portion of it lying horizontally instead of perpendicularly, as in most kinds. They are of golden, pearl and mixed shades. Each, 25c.

**Silver Fish**—Each, 5c to 10c.

**Gold Fish.**—Plain or with dark or light markings. Each, 10c to 50c.

**Pearl Fish.**—These are, as their name indicates, of a beautiful pearl white in shade, some being almost transparent. Each, 10c to 50c.

**Prepared Fish Food.**—Per box, 10c; postpaid, 12c.

**Standing Fish Globes.**—Each, 1 gal. \$1.15; 1½ gal. \$1.50; 2 gal. \$2.00.

**Hanging Globes.**—Each, 25c to \$1.50.

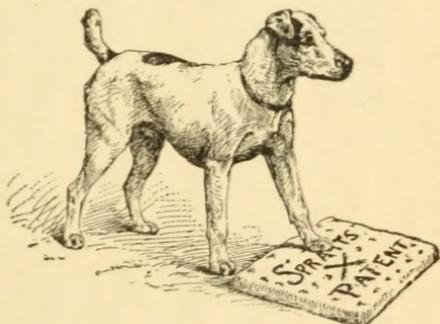
**Ornaments.**—Grotto shaped from 10c to 35c each.

**Small Shells.**—For bottom of aquaria; per box, 15c.

**Pebbles.**—Carefully washed and sized; per box, 10c.

**Shipping Can.**—For fish. One dozen or over, 15c; for one-half dozen, 10c.

## Spratt's Patent Dog Cakes and Medicines.



Spratt's Patent Dog Cakes are a staple and constant diet, no other food being necessary. Dogs fed on them and nothing else for years, have remained in the very best condition. They are not medicinal, but a plain wholesome food. They will keep any length of time in a dry place. Prices, 3 lbs., 25c; 5 lbs., 40c; 10 lbs., 80c; 25 lbs., \$1.75; 100 lbs., \$6.50.

**Pet Dog Cakes.**—Are especially intended for small dogs that are kept pretty closely confined and consequently do not get much exercise. Price, 3 lbs., 35c; 5 lbs., 55c.

**Dog Soap.**—Free from poison; kills lice and fleas; keeps skin healthy. Per cake, 20c; postpaid, 25c.

**Dog Medicines.**—Complete price list sent on application.

Complete directions for feeding the cakes and the general care of dogs, free with every purchase.

## BIRD SEEDS AND FOOD.

Our annual sale of Bird Seeds and Food amounts to many hundreds of pounds during a season. Buying in such large quantities, and frequently, we can assure you of the freshness of these stocks. We use nothing but the very highest grades in our mixtures, and you can *save five cents on every two pounds* when bought of us than if bought in regular store package. *Add 10 cents per pound for bird seeds if you want them sent by mail.*

Mixed Canary Seed, per lb., 8c.

Sicily Canary Seed, plain, per lb., 8c.

Maw, or Poppy Seed, plain, per oz., 5c.; per lb., 40c.

Russian Sunflower, for feeding parrots, per lb., 10c.; 3 lbs for 25c.

German Summer Rape, plain, per lb., 8c.

Imp. Russian Hemp, plain, per lb., 8c.

Paddy or unhulled rice, for feeding parrots, per lb., 15c.

Mixed Parrot Seed, per lb., 15c.

*Special prices on larger quantities.*

We also have a complete stock of other bird foods: **Bird Gravel, Cuttle Bone, Pepper Pods, Bird Nests and Nesting, Bird Cages in variety, Feed Cups, etc., etc.**

# LIVINGSTON'S Annual CATALOGUE of

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