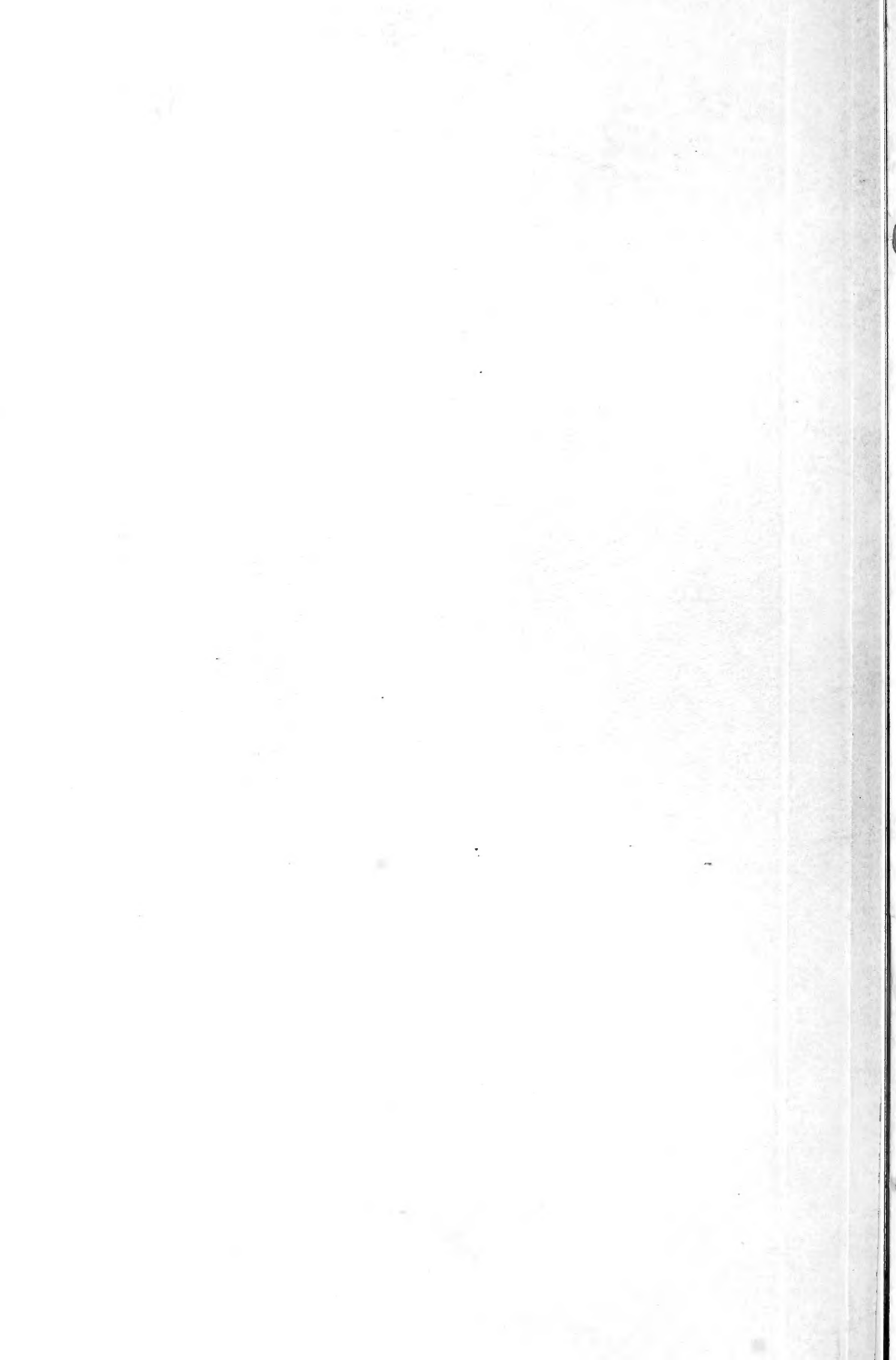


## Historic, archived document

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



62.27

Tenth Annual Catalogue . . .

1897

GARDEN, FIELD AND FLOWER

•• SEEDS ••

DEPT. OF AGRICULTURE  
JUL 1897  
JULIANY  
SEED LABORATORY



For description see page 37.

LIVINGSTON'S SEED STORE.

708 and 710 Locust Street.

DES MOINES, IOWA.

# COLLECTIONS AND DISCOUNTS.

By taking advantage of our very liberal offer in these Collections you are getting full sized packets of the freshest seeds at almost half price.

(For Flower Seed Collections see page 29.)

## VEGETABLE COLLECTION No. 1

4 Full-sized Packets only 15c.

Extra Early Egyptian Beet, Improved Hanson Lettuce, Long Scarlet Short-top Radish, and Livingston's Perfection Tomato.

## VEGETABLE COLLECTION No. 2

7 Full-sized Packets only 25c.

Dewing's Early Blood Turnip Beet, Evergreen Sweet Corn, White Cabbage Lettuce, Scarlet Turnip White Tip Radish, Long Scarlet Radish, Livingston's Perfection Tomato and Purple-top Turnip.

## VEGETABLE COLLECTION No. 3

12 Full-sized Packets only 40c.

Early Blood Turnip Beet, Golden Eye Wax Bean, Evergreen Sweet Corn, Early Summer Cabbage, Green Prolific Cucumber, White Cabbage Lettuce, Extra Early Hackensack Musk Melon, Red Onion, Hollow Crown Parsnip, French Breakfast and Long Scarlet Radish and Livingston's Perfection Tomato.

## VEGETABLE COLLECTION No. 4

18 Full-sized Packets only 60c.

Early Egyptian Beet, Blood Turnip Beet, Golden Wax Bean, Early Summer Cabbage, Late Excelsior Cabbage, Chantenay Carrot, White Plume Celery, Green Prolific and Long Green Cucumber, Evergreen Sweet Corn, White Cabbage Lettuce, Extra Early Hackensack Muskmelon, Yellow and Red Onion, Hollow Crown Parsnip, French Breakfast and Long Scarlet Radish, Livingston's Perfection Tomato.

## VEGETABLE COLLECTION No. 5

25 Large, Full-sized Packets only 75c.

Early Egyptian and Blood Turnip Beet, Wax Bean, Early and Late Cabbage, Chantenay Carrot, White Plume Celery, Green Prolific and Long Green Cucumbers, Curled and Head Lettuce, Extra Early Hackensack and Peerless Watermelons, Red and Yellow Onions, Guernsey Parsnip, Curled Parsley, Scarlet Turnips, Long Scarlet and White Lady Finger Radishes, Sibley Squash, Perfection Tomato, Purple-top Turnip, Mixed German Pansy and Mixed Sweet Peas.

## DISCOUNTS.

For those who would like to make their own selections, we will allow the following discounts on **packets** of flower and vegetable seeds. This does not apply to **ounces**, or larger amounts, or to seeds by measure, or to bulbs of any kind.

For 25 Cents, select six five-cent packages of vegetable seeds.

For 50 Cents, select thirteen five-cent packages of vegetable seeds.

For \$1.00 select seeds in packets amounting to \$1.30.

For \$2.00 select seeds in packets amounting to \$2.75.

10 cent packets count same as two five cent packets.

**Seeds in Bulk**, in large quantities, such as market gardeners, truckers or other large planters use, are supplied at low rates, considering quality. Send for our Special Price List, and mention the probable amount you expect to use.

ARTICLES WANTED.

Cents

Dollars

Bushels Quarts

Pints

Pounds

Ounces

Packets

Take this sheet out and use in ordering, observing Instructions in Catalogue.

# JOSIAH LIVINGSTON, Seedsman, Des Moines, Iowa:

FORWARD TO

Name..... WRITE VERY PLAIN. Post Office.....

County..... State.....

Express Office..... Railroad.....

Express Company..... Date of this order..... 189

**Let us Suggest** You include in your order some of each of the following. We have all manner of confidence in them proving satisfactory. **Blue Bloom Cabbage, Tip-top Muskmelon, Mabob Watermelon, Thanksgiving Pumpkin, Honor Bright Tomato,** or a collection of Vegetables, Flowers or Bulbs.

Extra Order Sheets and Return Envelopes sent **FREE** if you ask. Order freely: a good garden is half your living, and don't forget the flowers—try a collection. Do you grow vegetables to sell, or for home use?

**No Goods sent C. O. D.**

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

Bushels    Quarts    Pints    Pounds    Ounces    Packets

ARTICLES WANTED.

Dollars    Cents

Rec'd .....
Ship'd .....
By .....
Amount Enclosed, .....
Money Order, \$ .....
Express Order .....
Draft .....
Stamps .....
Cash .....

# LIVINGSTON'S CATALOGUE

OF ALL THAT IS BEST IN

## GARDEN, FIELD AND FLOWER SEEDS, BULBS, GARDEN 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.

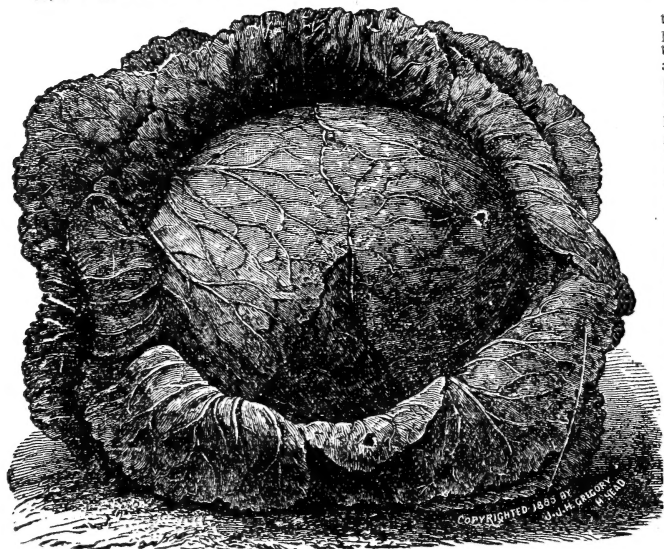
**Guaranteeing Seeds**—The failure of seeds to grow and prove true to type is so often due to causes with which every one is familiar, and over which the seedsman has no control, that we have thought best to say here, plainly, we do not guarantee seeds, except to replace the amount sold, or its equivalent, when 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 your's.

**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.

**W**HILE not every variety in this list is strictly a new sort, yet all new sorts and some which we deem of special merit, are included. We shall have occasion to call attention to this list from time to time through the Catalogue, and shall designate it the "Novelty List."

## LIVINGSTON'S BLUE BLOOM CABBAGE.



LIVINGSTON'S BLUE BLOOM CABBAGE.

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

### Keeps All Winter

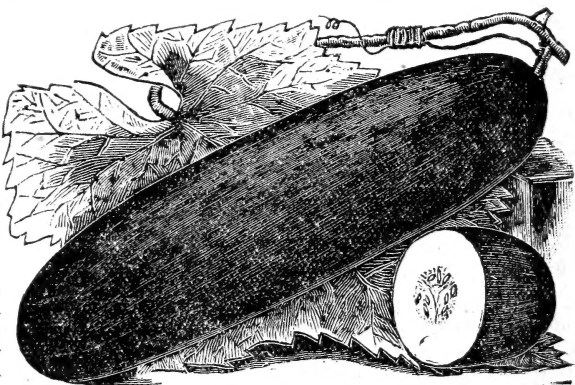
in prime condition. We grow our stock of it from heads (not stumps), each one of which would sell for a good price on the market. This produces vigorous seed, which in turn produces fine, healthy plants of strong growth throughout the season, resulting in heads of large size, solid and of fine grain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

### Few Outside Leaves,

these having the beautiful "blue bloom" on them, suggesting 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; ½ oz. 20c; oz. 30c; ¼ lb. \$1.00; lb. \$3.50.

## 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.**





# Livingston's New Bon Ton Lettuce.

Our illustration of this grand new Lettuce was made from a photograph, showing the relative sizes of the Bon Ton, as compared with the famous old Hanson Lettuce, both having been sown at the same time and received the same care. The Bon Ton is a very rapid grower, exceedingly crisp, remaining so even after the seed stock has started up. We have pulled leaves fit for table use from the side of seed stocks. It is, however, almost a seedless variety, as my grower said of this season's crop, that "not one-third of it went to seed at all." 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. Price per packet, 15c; tw



packets, 25c; 1/2 oz. 40c; oz. 75c.

*Mr. Henry Field says: "I do not know of any Lettuce that will make as large a head in so short a time it is a shy seeder."*

*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."*



## 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, perfuming a room with a pleasant odor for days. Very prolific and easily grown. Pkt. 10c; 3 pkts. 25c.

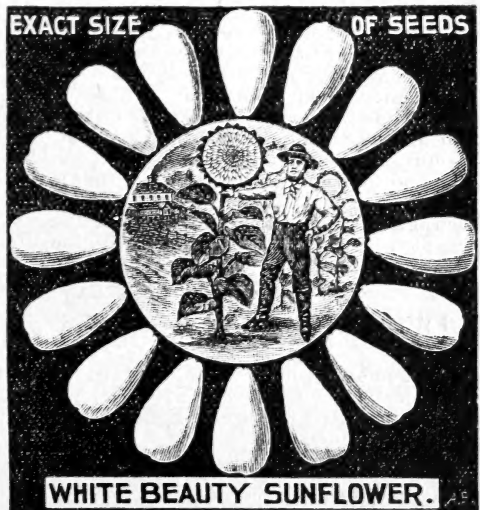
## New White Beauty Sunflower.

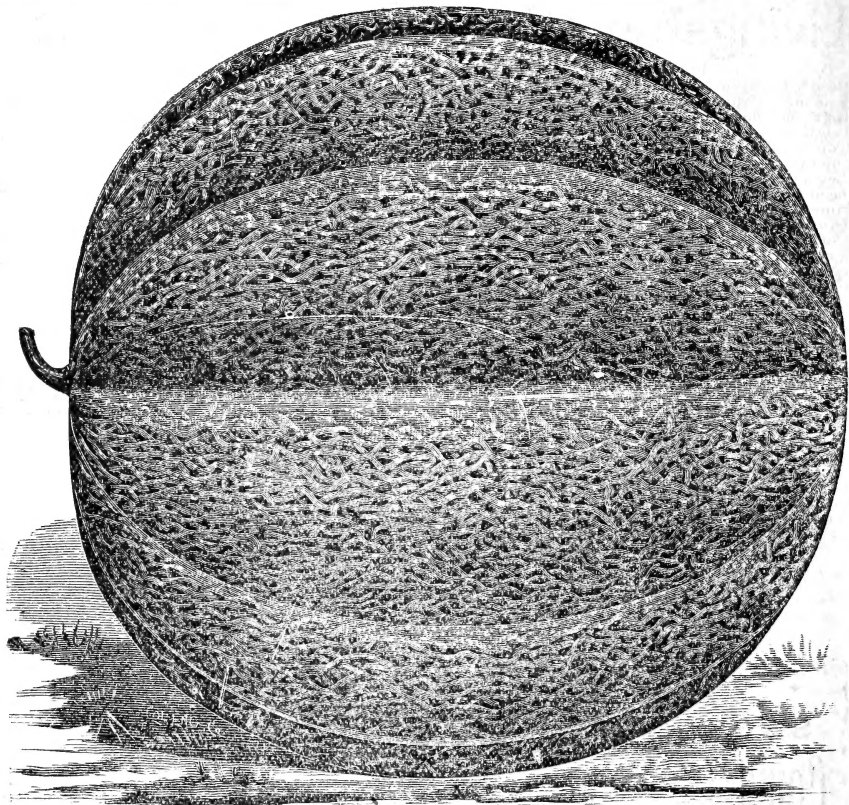
A Sunflower with Snow-white Seeds—  
A Novelty, sure.

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; 1/4 lb. 25c; 1 lb. 65c.

THIS VARIETY FURNISHES  
LONG SNOW WHITE EARS AND KERNELS,  
THE LATTER BEING VERY DEEP AND  
EXCEEDINGLY SWEET AND TENDER.

A little earlier than the Evergreen. It is a fine sort for Family Kitchen Gardens. Pkt. 5c; 1/2 pt. 10c; pt. 20c; qt. 35c.





## MUSK MELON.

### 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 Musk Melon. 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 nicely netted. The above cut being a very good illustration of it at the present time. 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. 10c; oz. 15c; 2 oz. 25c;  $\frac{1}{4}$  lb. 35c; lb. \$1.00.

## WATERMELON.

### LIVINGSTON'S "NABOB," the Watermelon for the Shipper.

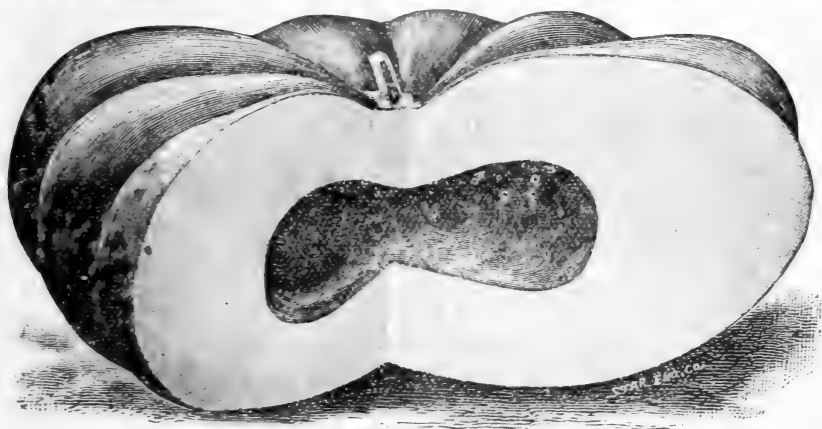
The new Nabob is of finer grain than any other shipping variety, and yet has the necessary hard rind. The thin, hard rind is beautifully mottled, a very attractive feature. Flesh bright red, crisp and not stringy, as with most hard rind sorts.

### A SPLENDID KEEPER.

Color of seeds dark buff. Gardeners and Shippers should have some "Nabobs" in their melon crop for 1897, sure. Pkt. 10c; oz. 15c; 2 oz. 25c;  $\frac{1}{4}$  lb. 35; lb. \$1.25.

✦ ✦ PUMPKIN ✦ ✦

# LIVINGSTON'S NEW THANKSGIVING.



LIVINGSTON'S NEW THANKSGIVING PUMPKIN.

Our illustration correctly shows the peculiar shape and very small seed cavity of this new and entirely distinct variety. The specimen from which the photograph was taken weighed fifty-five pounds, and the seed cavity was so small that there was room for only  $1\frac{1}{4}$  ounces of seed, the flesh at some points being six inches thick by actual measure. The average size as they run is about thirty to thirty-five pounds, with flesh three to four inches thick. As compared with the common pumpkin they always weigh twice as heavy for the same size fruit. The flesh is orange in color, of fine grain, sweet, and has that peculiar flavor so essential to the making of a perfect pumpkin pie. It yields as many pumpkins to the acre as any, but being about double in weight the yield in pounds is consequently double. It has been grown for a number of years by the same grower, so that the variety has become fixed. Its name, "Thanksgiving," was suggested by the universal custom of having pumpkin pies at the Thanksgiving dinner. As every one knows, the dinner is not quite complete without the pumpkin pie, and we feel sure the pie will not be right unless made from the Thanksgiving Pumpkin. They will have the genuine old-fashioned flavor to perfection. We especially recommend a trial of this variety, and feel certain it will not disappoint you. Packet 10c; oz. 15c; 2 oz. 25c;  $\frac{1}{4}$  lb. 40c.

## TESTIMONIALS ON THANKSGIVING PUMPKIN.

*Mrs. Rosa Farmer, Winnebago County, Iowa, writes, Nov. 20, 1896: "I do not think I gave your Thanksgiving Pumpkin a fair trial, it being planted three miles 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. W. A. Eudaly, Des Moines, says the Thanksgiving Pumpkin is the heaviest he ever saw.*

*Mr. J. W. Rhodes, Muscatine County, Iowa, writes, Oct. 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, Oct. 27, 1896: "In regard to the Thanksgiving Pumpkin will say I have about thirty very nice ones, of which I will send you two. I raised those from four hills in the 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, Oct. 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."*

*Mr. O. W. Hayes, Keokuk County, Iowa, writes, Nov. 2, 1896: "We like those Thanksgiving Pumpkins very much. The weather was very hot when planted. They came up and grew slow for awhile. Then the bugs bothered them. I had most given up getting any fruit. We had forty pumpkins off of six vines. Quality good. We like them splendid."*

## A Grand New Extra Early Dwarf Pea. . . .

### NOTT'S EXCELSIOR.

A day or so later than American Wonder, but pods are one-third larger; 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;  $\frac{1}{2}$  pt. 15c; pt. 25c; qt. 45c; pk. \$2.00.

## 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 of 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;  $\frac{1}{2}$  pt. 15c; pt. 25; qt. 45c; peck \$1.50; bu. \$5.50.

### NEW FORCING RADISH.

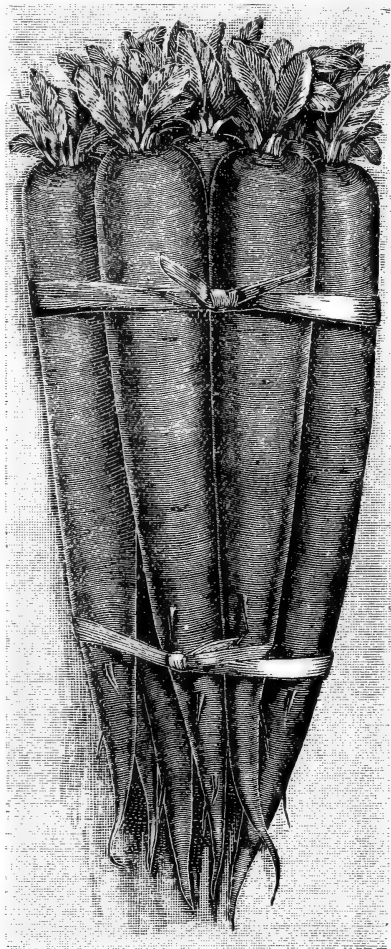
## Cincinnati Market.

### 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 in this section as a first early crop sown in the open ground. Tops are small, allowing of very close planting. The

### Handsomest Long Red 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. 10c; oz. 15c; 2 oz. 20c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

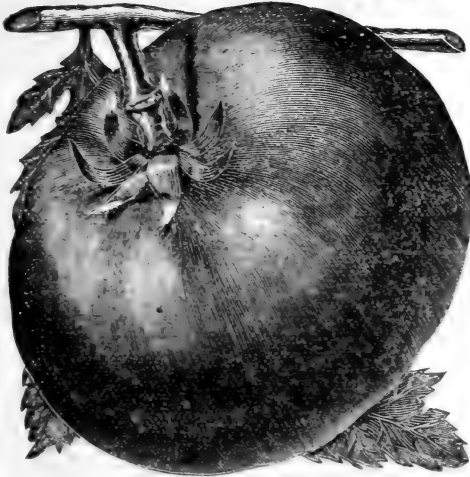


## VINE PEACH.

Excellent for Sweet Pickles, with a few pieces of Lemon added.

This vine is similar to the Muskmelon. You plant and care for them in the same way. Fruit oval, bright yellow, and russeted, like a russet apple. **Easily cultivated, very prolific.** Pkt. 5c; oz. 15c.

✦ TOMATO. ✦



HONOR BRIGHT.

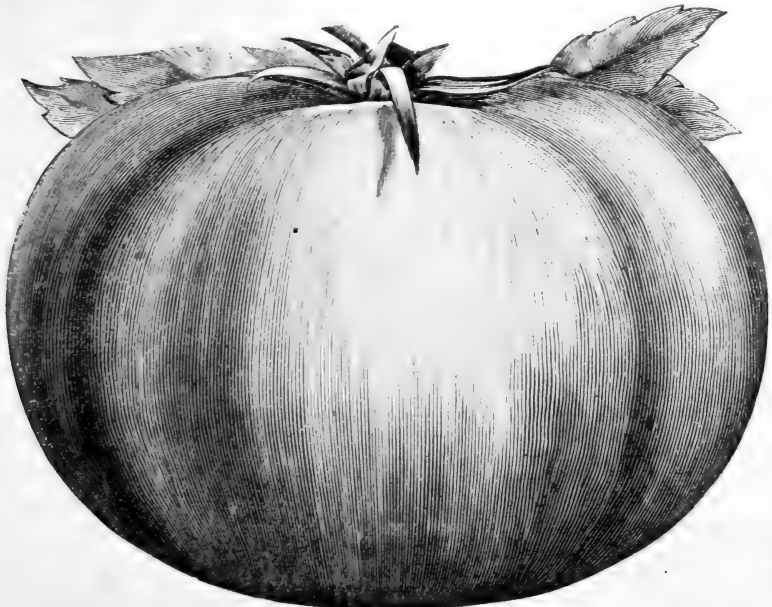
LIVINGSTON'S  
Very Latest Tomato,  
**HONOR BRIGHT**

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 so 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. The flesh is tender and melting. It can be offered only in packets this season. Price per packet 50 seeds, 15c; 2 packets for 25c; 10 packets for \$1.00.

## Livingston's New Hawkeye.

HIGHEST POINT OF PERFECTION. FLESH COLOR.

Comes quite early; bears till Fall. Perfectly smooth. Look at the cut, made from a photograph. 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 of old style 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;  $\frac{1}{2}$  oz. 20c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1b. \$3.50.

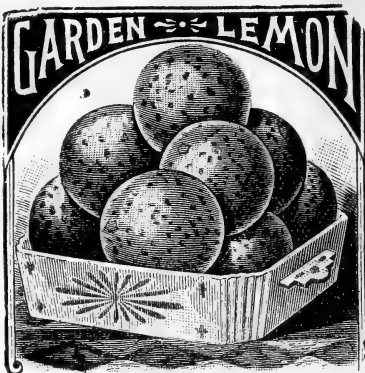


LIVINGSTON'S NEW HAWKEYE.

# GARDEN LEMON.

More acid than Vine Peach, hence not necessary to have sliced lemon with it when making sweet pickles. The unripe fruit is striped with dark green. When ripe it is very smooth and almost round. (See cut.) Cultivate same as Muskmelons, in hills about three feet apart. Quite a curiosity. Try it. Pkt. 5c;  $\frac{1}{4}$  oz. 10c.

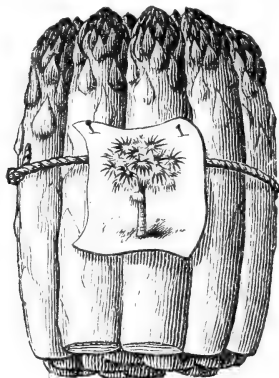
*Mr. P. Cary, Iowa, writes Mrh. 16, 1896: "Enclosed find cash for a few cabbage seeds I want as soon as I can get them. Am not ready yet to send my whole order. I want to ask about Early Muskmelons; of course I have the Livingston's Tip; Top, which is the best melon in the world, but a little late. Which kind would you recommend for first early, etc.?"*



## General List of Vegetable Seeds.

### ASPARAGUS.

One ounce will sow 60 feet of drill and produce about 400 plants.



PALMETTO.

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

**Palmetto**—Uniformly large and early. Pkt., 5c; oz., 8c;  $\frac{1}{4}$  lb., 15c; lb., 50c; 2-year-old roots, per 100, 75c; per 1,000, \$6.00.

**Conover's Colossal**—Very productive. Pkt., 5c; oz., 8c;  $\frac{1}{4}$  lb., 15c; lb., 40c; 2-year-old roots, per 100, 80c; per 1,000, \$5.00.

**Barr's Mammoth White**—Has stalks of large size and are almost white. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; lb., 60c; 2-year-old roots, per 100, \$1.00; per 1,000, \$7.50.

Prices on asparagus roots do not include express charges.

### BORECOLE OR KALE.

One ounce to 2,000 plants.

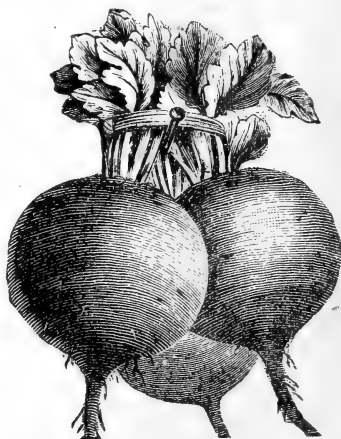
**Siberian or Dwarf German**—Very hardy. Sow in September and cover over with mulch as severe weather sets in. It is ready very early in spring. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 30c.

*Mr. J. W. Kelso, Mo., writes Feb. 3, 1896: "Please send me a seed catalogue. The seed I got from you was all good. The best I ever bought."*

### BEETS.

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

**Early Egyptian**—An early, dark-red variety of good quality; of good shape through all stages of growth. Pkt., 5c; oz., 8c;  $\frac{1}{4}$  lb., 15c; lb., 50c.



EARLY ECLIPSE BEET.

**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., 8c;  $\frac{1}{4}$  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;  $\frac{1}{4}$  lb., 20c.

**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., 8c;  $\frac{1}{4}$  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., 8c;  $\frac{1}{4}$  lb., 15c; lb., 50c.

**Early Bassano**—Especially desirable for greens, as it produces a heavy top. Flesh pink and white striped. Pkt., 5c; oz., 8c;  $\frac{1}{4}$  lb., 15c.



CROSBY'S IMPROVED EGYPTIAN BEET.

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

**Early Blood Turnip**—Very similar to above. 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. ¼ lb., 15c; lb., 40c; 5 lbs. by express or freight, charges not prepaid, \$1.40.

### MANGEL WURZEL.

**Improved Mammoth Prize Long Red**—Also called Norblton 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. 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. 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. Lb., 35c; 5 lbs., not prepaid, \$1.00.

### BEANS.

#### DWARF OR BUSH.

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

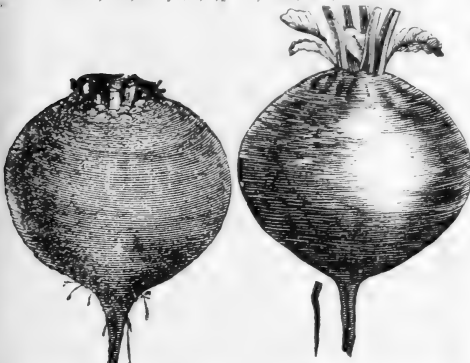
Quart and pint prices on Beans include postage; if to go by express at buyer's expense, deduct 15 cts. per quart, or 8 cts. per pint, from the prices below.

**Golden Wax**—This well known variety has pods of good average length and slightly curved; yellow, stringless. A good yielder. One of the standard sorts. Pkt., 5c; pt., 20c; qt., 40c; pk., 90c; bu., \$3.50.

**Scarlet Flageolet Wax**—A very showy variety, having large yellow pods, coming quite early. Exceedingly succulent and tender. Pkt., 5c; pt., 20c; qt., 40c; pk., 90c.

**German Black Wax**—Very early. Will stand planting in cold ground. Pods round, very fleshy, waxy, yellow, stringless. Pkt., 5c; pt., 20c; qt., 40c; pk., 90c; bu., \$3.50.

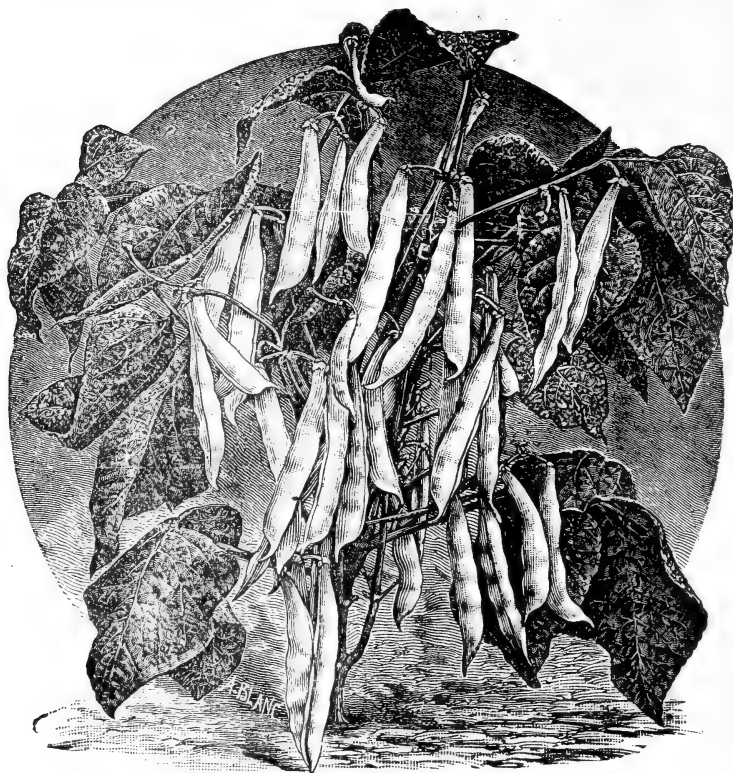
**White Seeded Wax**—A very fair sort, uniformly of good quality, although the pods are not always of even shade, some being almost green. Pkt., 5c; pt., 20c; qt., 40c.



DEWING'S IMPROVED. EDMAND'S EARLY.

**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., 8c; ¼ lb., 15c; lb., 50c.

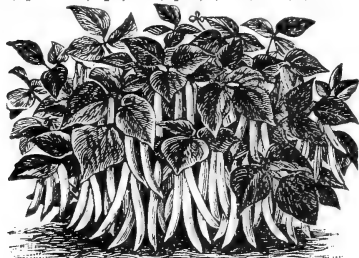
**Edmand's Improved Early Turnip**—A splendid second early sort, having a small top; very smooth. Tender and sweet. Roots a dark red on outside, somewhat lighter on the inside. A good keeper. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.



IMPROVED GOLDEN WAX (Rust Proof).

**BEANS—Continued.**

**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., 10c; pt., 25c; qt., 45c; pk., \$1.00; bu., \$3.90.



**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., 40c; 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., 40c; pk., 90c.

**Golden Eye Wax**—One of the earliest, hardiest 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., 40c; pk., 90c.

**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., 30c; qt., 50c; pk., \$2.00.

**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.

**Extra Early Refugee**—A green podded sort, very hardy and very productive. A sure cropper. 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., 40c; 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.

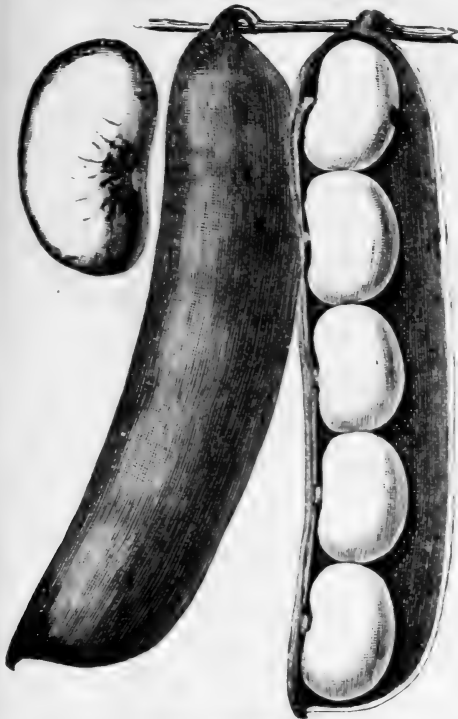
**Dwarf Horticultural or Speckled Cranberry**—The peculiarity of this sort is that the pods remain tender and fit for use even after the beans have attained almost full size. They can then be used as a shell or succotash bean, and even after they become dry are a good soup bean. A splendid all round sort. Pod is green. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.00.

**California or Mexican Tree Bean, White Navy, White Marrowfat and White Kidney**—These are all good soup beans, but are not good as green



beans, as the pods are tough. The White Marrow and Kidney are good shell sorts. Pkt., 5c; pt., 20c; qt., 50c; pk., 75c; bu., \$2.75.

### LIMA POLE BEANS.



#### EARLY JERSEY LIMA.

**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., 30c; qt., 50c.

**Large White**—Pods broad and rough. Seeds large, broad and white. Pkt., 5c; ½ pt., 15c; pt., 30c; 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., 30c; qt., 50c.

**King of the Garden**—The green shell beans of this kind are very large and the pods sometimes contain 5 and 6 beans each. Pods grow in clusters. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c.

### 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 to the 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., 10c; ½ pt., 20c; pt., 30c; qt., 50c; pk., \$1.50.

**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; ½ pt., 20c; pt., 35c; qt., 60c; pk., \$2.00.

**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; ½ pt., 15c; pt., 25c; qt., 45c; pk., \$1.75.

### 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 everyone 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.

*Mrs. F. L. Stoddard, Carroll Co., Iowa, writes Feb. 27, 1890: "The bulbe from you last fall gave good satisfaction."*

## Livingston's Reliable Cabbage Seed

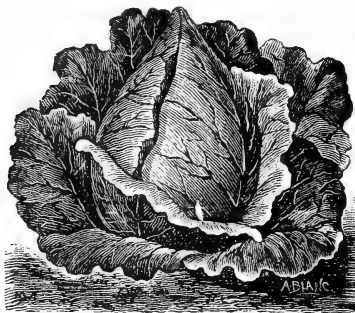
It is very important to have cabbage seeds right, as varieties of the poorest quality will germinate and produce as fine plants as any: so that it is impossible to tell from the appearance of the crop what it is going to turn out until it is too late to grow anything else, and you are out for seed, your time and the use of the land. We have a man who has from thirty to forty 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.

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 other 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., 15c; ¼ lb., 50c; lb., \$2.00.

**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 to tackle, and so pass it by for the more loosely growing sorts. The heads are very pointed and crisp. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.



SELECT EARLY 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., 20c; ¼ lb., 75c; lb., \$2.50.

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



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., 20c; ¼ lb., 75c; lb., \$2.50.

**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; ¼ lb., 50c; lb., \$1.75.

**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; ¼ lb., 50c; lb., \$1.75.



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 18 inches apart in the row. By sowing seed late it is an excellent winter variety. Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 75c; lb., \$2.50.

**Short Stem Drumhead**—Heads large, solid, round, flattened on top, very uniform, of fine quality. A sort that is recommended as a sure header in the South. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.75.

**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; ¼ lb., 50c.

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

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

**Fottler's Brunswick**—Forms a large solid head, having but few outside leaves. Good fall or winter. Should be planted late. Pkt., 5c; oz., 15c; ¼ lb., 50c.

**Hard Head Luxemburg**—A variety which has come into favor about Chicago. It seems to form a very hard head, which does not burst, but will keep till spring. We think it worthy a trial at any rate. Pkt., 5c; oz., 25c.

**Surehead**—A very reliable cabbage, large, round, flattened heads of Flat Dutch type. It is almost all head and always sure to head. A good keeper and shipper; has become very popular. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**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; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

**Blood Red Dutch**—Pkt., 5c; oz., 20c; ¼ lb., 60c.

## LIVINGSTON'S PREMIUM FLAT DUTCH.

Has a large, solid, broad and flat head, with very few outside leaves, is

CRISP AND TENDER.

And in fact the very ideal of a

FALL AND WINTER CABBAGE.

Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

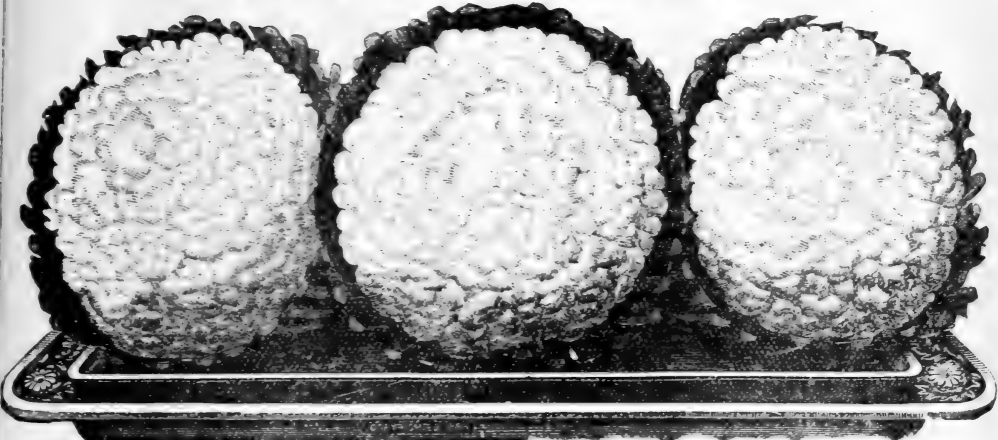
FOR

# Big Bargains

IN SEEDS

SECOND PAGE COVER.

# CAULIFLOWER.



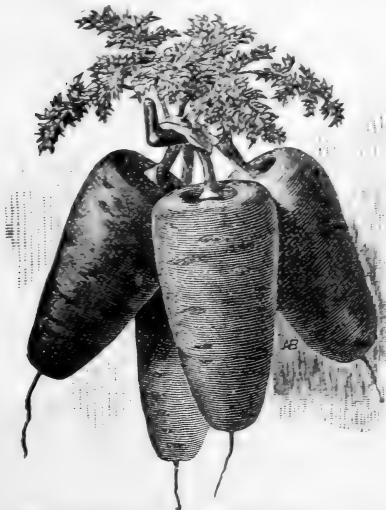
*One ounce gives 1,000 to 2,000 plants.*

**Henderson's Early Snowball Cauliflower**—This is certainly the best type of cauliflower in the market. It is unequaled by any variety for earliness. If planted March 1, large heads will be produced in June, and scarcely a single head will fail to form. Plants may be set eighteen to twenty inches apart. It does equally well for late planting. Our stock can not be excelled, being direct from the originator, in sealed packets. Pkt., 25c; ¼ oz., \$1.10; oz., \$4.00.

**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; ¼ oz., 75c; oz., \$2.50.

## CARROT.

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



**CHANTENAY HALF LONG SCARLET.**

**Early Short Scarlet Horn**—Is stump-rooted, second in size; fine for forcing; rich color and very

pleasant flavor. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

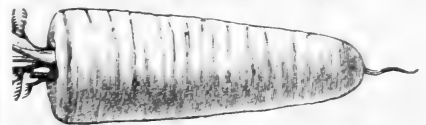
**Chantenay Half Long Scarlet**—A stump-rooted variety, tapering slightly, but uniformly smooth, of a deep orange red color, medium sized top with small neck; medium early and can be pulled by one hand. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**Large White Belgian**—Very productive; grown almost entirely for stock. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c; 5 lbs., not prepaid, \$1.75.

**Improved Long Orange**—Standard late kind, deep orange color; yields well. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.



**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; ¼ lb., 30c; lb., \$1.00.



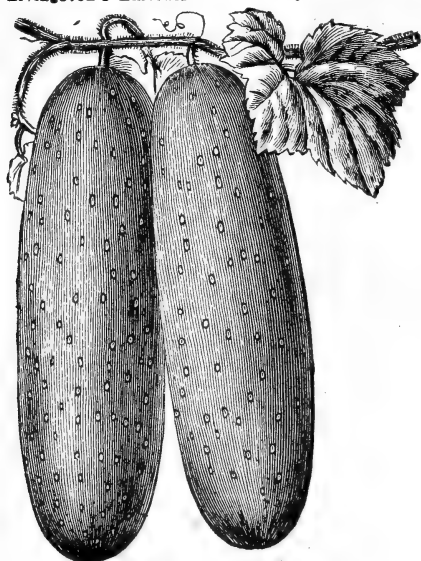
**DANVERS.**

**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; ¼ lb., 30c; lb., 80c.

**Write for special prices on five pounds or more of Carrot seed,**

## CUCUMBER.

One ounce for fifty hills. 1 to 2 pounds for an acre.  
Livingston's Emerald—See Novelty List.



### WHITE SPINE.

**Extra Early Russian, Early Frame and Early Green Cluster**—Are all early small varieties. Quite popular for the home gardens. Pkt., 5c; oz., 10c; ¼ lb., 20c.

**Green Prolific**—One of the best pickling sorts, being very uniform in shape and size, and very productive. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c; 5 lbs. (not prepaid) for \$2.00.

**Livingston's Medium Green**—Worthy a place among the very best of pickle sorts. Are 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, and it brought to the front. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs. (not prepaid) for \$2.25.

**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., 10c; ¼ lb., 15c; lb., 50c; 5 lbs. (not prepaid), \$2.00.

**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; ¼ lb., 20c; lb., 60c.

**Hill's Forcing White Spine**—This excellent variety 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. It grows more compact about the hill than most other kinds, and being early, it makes an excellent variety to grow for market. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Westfield, 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., 10c; ¼ lb., 15c; lb., 50c; 5 lbs. (not prepaid) for \$2.00.

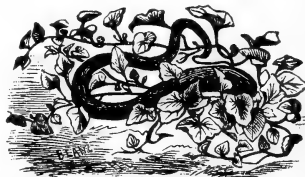
**Cool and Crisp**—Skin very dark green; flesh crisp and tender; good for pickling or slicing; quite early. Pkt., 5c; oz., 15c; ¼ lb., 25c.

**Livingston's Evergreen**—It is generally admitted to be the finest pickle sort, possessing, as it does, all the necessary requirements for produc-

ing 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's a splendid slicing variety also. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c.

**Improved Long Green**—A standard all-around variety. It makes an excellent fruit for slicing, quality crisp and delicious. The smaller fruits are used for pickling, and the larger ones can be allowed to ripen for preserving. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 50c; 5 lbs. (not prepaid) for \$1.75.

**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.



### 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; the quality is fair. They are grown more for curiosity and exhibition than table use. Pkt., 10c.

**Japanese Climbing Cucumber**—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; 4 oz., 35c.

## CELERY.

One ounce of seed will produce 500 to 1,000 plants.



### 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; ¼ oz., 15c; oz., 25c; ¼ 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., 20c; ¼ lb., 60c; lb., \$2.00.

**Boston Market**—Distinct in being of branching habit. Is white, of good flavor, very solid, not injured by frost; a good keeper. Pkt., 5c; ¼ oz., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00. We can also supply the following well known sorts at the uniform price of pkt., 5c; oz., 20c; ¼ lb., 60c: **White Solid, Early Arlington, Golden Self-Blanching, Giant Paschal, Crawford's and Henderson's Half Dwarf and New Rose.**

### 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.

**Storing Celery**—We were at a loss to know what to do with our celery in the fall, until the idea struck us, why not use the cold frame? By using the soil inside of the frame to bank up on the outside, you have about the required depth and save work of excavating the depth of the frame. Set celery in, standing up straight; with roots on and all the soil that will stick to them. Cover lightly with boards or cloth at first; and increase covering as cold increases.

**Stewed Celery**—Save the unbleached stalks of celery that you trim off when preparing it for the table. Cut these into short pieces, put on stove in water sufficient to cover, bring to a boil, pour off the water to remove strong taste. Add more boiling water; stew until soft. Taken with milk and flour, add butter, salt and pepper to taste, and you have an excellent dish. Mrs. Livingston says so and that makes it so.

### 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., 20c; ¼ lb., 20c; lb., 50c.

**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.

## SWEET CORN.

One quart plants 200 to 300 hills. 8 to 10 quarts of 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.

and very sweet. When ripe and dry they are red in color. Pkt., 5c; ¼ pt., 10c; pt., 20c; qt., 30c; pk., 60c; bu., \$2.35.

**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 in bearing sooner. It is very hardy, produces a fair sized ear, has a husk like sweet corn and sells well. Pkt., 5c; ¼ pt., 10c; pt., 20c; qt., 35c; pk., 75c; bu., \$2.75.

**Extra Early Cory**—Very early. The first sweet corn to come into bearing. It is very hardy, produces broad grains and when ripe and dry are inclined to be red; also the cob is red. Pkt., 5c; ¼ pt., 10c; pt., 20c; qt., 35c; pk., 60c; bu., \$2.35.

**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; ¼ pt., 10c; pt., 20c; qt., 35c; pk., 75c; bu., \$2.50.

**Early Minnesota**—This sort immediately follows the Cory corn in time of ripening and is a little larger. Has a white cob and grain. It is the one we always advise for the first crop in the kitchen garden. Pkt., 5c; ¼ pt., 10c; pt., 15c; qt., 25c; pk., 60c; bu., \$2.25.

**Perry's Hybrid**—Almost as early as Minnesota, but has a much larger ear. Kernels are large and very sweet. When ripe and dry they are red in color. Pkt., 5c; ¼ pt., 10c; pt., 20c; qt., 30c; pk., 60c; bu., \$2.35.

## LIVINGSTON'S EVERGREEN.



**Livingston's Evergreen**—An old variety that has been in our family for upwards of 40 years. My father having originally procured it of a colored man, and finding it of such excellent quality, has always selected and saved good seed stock of it. It is to-day 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 unless it is the market man who has to give so much, in a dozen, for the market price. 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 "succors out" and will become too thick if not gone over and succors pulled off. This fact, however, makes it one of the very best of varieties for fodder purposes. I recently sold 5 bushels of it to a large farmer to be sown for fodder, and he has grown it for a number of years. It is a good variety for all purposes and especially for family gardens, as it remains good for a long time. Pkt., 5c; ¼ pt., 10c; pt., 20c; qt., 35c; pk., 75c; bu., \$2.50.

**CORN—Continued.**

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

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

**Livingston's Gold Coin**—An entirely distinct variety of our own introduction. It has a pale yellow grain which becomes, when ripe, very much wrinkled, thereby indicating its sweetness. (The more a corn wrinkles in drying, the sweeter it is.) The ear is very large, with grains frequently ¾ inch in depth. A productive sort, as quite frequently 2 ears are borne on one stalk. It is quite late. Pkt., 5c; ½ pt., 10c; qt., 15c; gal., 25c; pk., 60c; bu., \$2.25.

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

**Egyptian**—A large pure white variety having fine quality. Comes into bearing quite late. Pkt., 5c; ½ pt., 10c; qt., 15c; gal., 25c; pk., 60c.

**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; ½ pt., 10c; qt., 15c; gal., 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; qt., 15c; gal., 25c; pk., 60c; bu., \$2.25.

**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., 5c; bu., \$1.50.

**EGG PLANT.**

One ounce of seed makes 1,000 plants.



**IMPROVED LARGE PURPLE.**

**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 to 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., 10c; ½ oz., 20c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00.

**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; 3 pkts., 25c.

**New York Purple**—The old standard sort. Pkt., 5c; oz., 40c.

**ENDIVE. (WINTER LETTUCE.)**

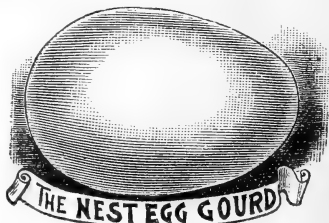
One ounce of seed sows 150 feet of drill.

**Green Curled**—It is the hardiest variety, with beautifully curled green leaves, which blanch white; very crisp and tender. Pkt., 5c; oz., 15c; ¼ 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; ¼ lb., 50c.

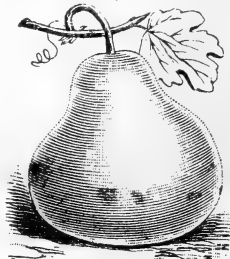
**GOURDS.**

**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 Gourd**—(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 Gourd**—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.



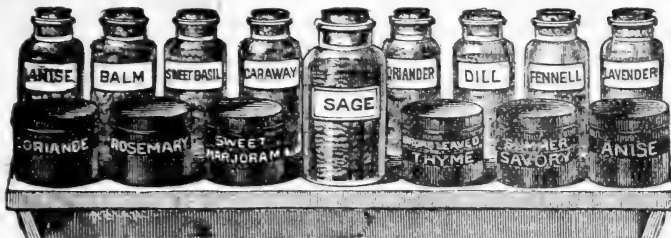
**Sugar Trough, or Sap Bucket**—This variety grows to a very large size, holding from 4 to 10 gallons each, having hard, thick shells, which are very strong, but light and durable, lasting for many years. They are used for a great variety of purposes, such as buckets, baskets, soap and salt dishes, nest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

**Ornamental Sorts**—For price of these see Flower Seed list.

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

**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. 20c.
SAGE	Pkt. 5c; oz. 25c; lb. \$2.00.
SAVORY SUMMER	Pkt. 5c; oz. 10c.
THYME	Pkt. 5c; oz. 40c.
WORMWOOD	Pkt. 10c.

**GARLIC.**



**CARLIC BULBS.**

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; ¼ lb., 15c; ½ lb., 40c; by express (not prepaid) 5 lbs. for \$1.00.



**KOHL RABI.**

**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 out to 3 inches in the row.

One ounce of seed for 1,500 plants.

**Early White Vienna**—Flesh white and tender. Best for forcing for early market. Pkt., 5c; ½ oz., 15c; oz., 20c; ¼ lb., 60c; lb., \$2.25.

**Early Purple Vienna**—An excellent sort, a little later than the white, and of purple color. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

**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 1,500 plants.

**Large American Flag**—Pkt., 5c; oz., 15c; ¼ lb., 50c.

**Large Musselburg**—Pkt., 5c; oz., 15c; ¼ lb., 50c.

**KALE. (SEE BORECOLE.)**

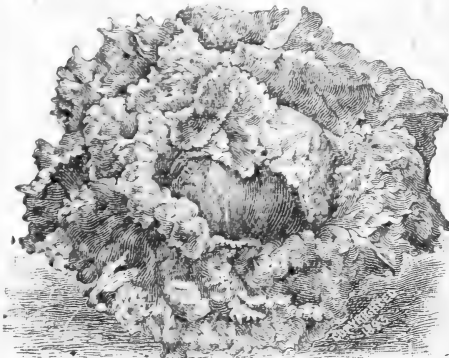
**LETTUCE.**

One ounce of seed to 2,000 plants.

**Livingston's Bon Ton**—See Novelty List.

**Early Curled Simpson**—Forms a mass of curly, oblong leaves, light green in color; good for first early crop. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., \$1.00.

**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; ¼ lb., 30c; ½ lb., \$1.00.



**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 indentations 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; ¼ lb., 50c.

**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 out-door cultivation it is rarely equaled. Pkt., 5c; oz., 10c; ¼ lb., 30c; ½ lb., \$1.00.

(Other varieties of Lettuce next page.)

## LETTUCE—Continued.

**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., 15c; ¼ lb., 40c; lb., \$1.25.

**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., 15c; ¼ lb., 50c.



**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., 15c; ¼ lb., 40c.

We can also supply the following well known sorts at the uniform price of, pkt., 5c; oz., 10c; ¼ lb., 30c: **Hubbard's Market, Tennis Ball, White's Cabbage and Defiance Summer.**

## MUSTARD.

Mustard being very hardy, seed can be sown as soon as the soil is free from frost. Sow in shallow drills, and cut when a few inches in height. It grows rapidly, and several sowings may be made. The young mustard leaves are used for spring salad.

**Southern Giant Curled**—This mustard is very highly esteemed in the South, where the seed is sown in fall, plants used very early in spring as a salad. Seed is brown and produces plants which grow about two feet high and form enormous bunches. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**White English**—The leaves are light green, mild and tender when young, seed light yellow. Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., not prepaid, \$1.25.

**Brown or Black**—Pkt., 5c; oz., 10c; ¼ lb., 15c; lb., 40c; 5 lbs., not prepaid, \$1.25.

## MUSKMELON.

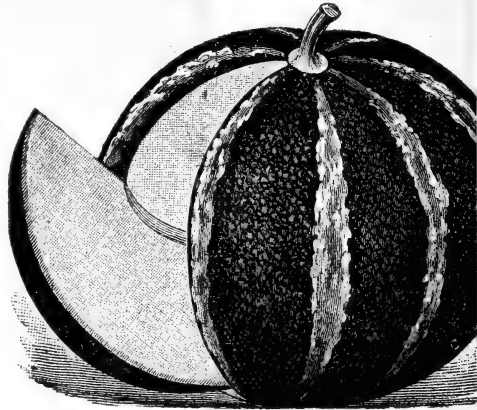
Use Slug Shot for the Bugs; 5 lb. package, not prepaid, 35c; 10 lb. package, not prepaid, 60c.

One ounce of seed for 30 hills; 2 to 4 lbs. for an acre.

**Skillman's Fine Netted**—Small, early, with light green flesh, thick and sweet, and high flavored. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.

**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., 10c; ¼ lb., 20c; lb., 65c.

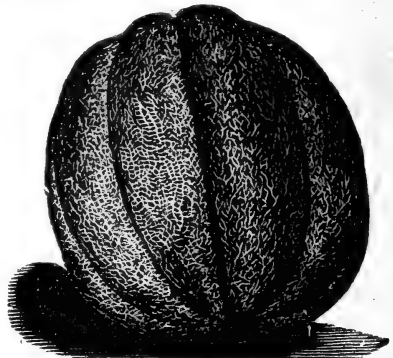
**Emerald Gem**—One of the sweetest melons in the list. Comes into bearing about same time as Netted Gem, but has a rich yellow flesh. As indicated by its name, it has a dark green rind, only slightly netted. This is the only extra early variety having salmon flesh. The flesh is very thick, juicy and sweet. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.



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., 10c; ¼ lb., 25c; lb., 75c.

**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 netted and ribbed. It sells at sight, but when once used its exquisite quality makes firm friends of all. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c.



CHAMPION MARKET.

**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., 10c; ¼ lb., 20c; lb., 65c; 5 lbs. (not prepaid) for \$2.00.

**Baltimore Nutmeg**—Uniformly good in quality 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., 10c; ¼ lb., 25c; lb., 75c.



**Livingston's New Market**

—This sort supplies a long felt want, from the fact that it does not crack on the blossom side. It has green flesh, same as Extra Early Hackensack, and will no doubt take its place and 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; ¼ lb., 25c; lb., 75c; 5 lbs. (not prepaid), \$2.00.

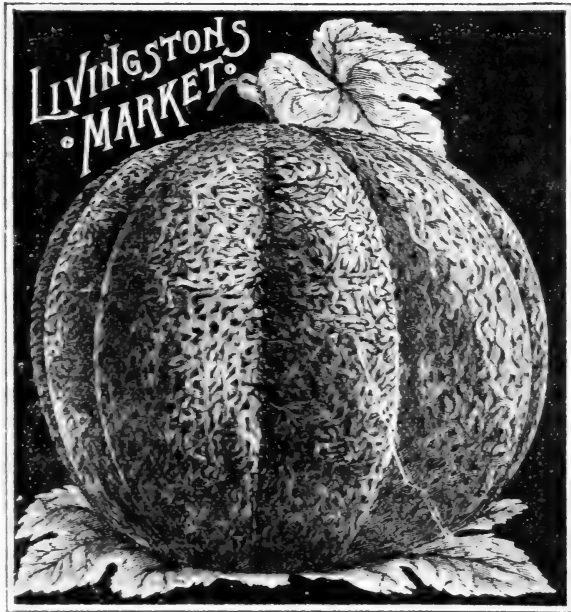
**Extra Early Hackensack**

—One of the best general crop, green fleshed nutmeg now offered. Round, well netted, large size, flesh green and thick, delicious flavor, beautiful in appearance. Our stock of this is excellent. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 5 lbs. (not prepaid), \$2.00.

**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 or 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., 10c; ¼ lb., 25c; lb., 75c; 5 lbs. (not prepaid), \$2.00.

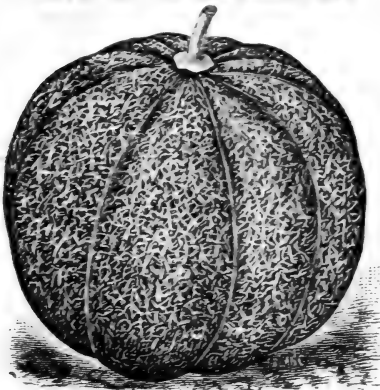


**WATERMELON.**

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

*One cune of seed for thirty hills, one to two pounds for an acre.*

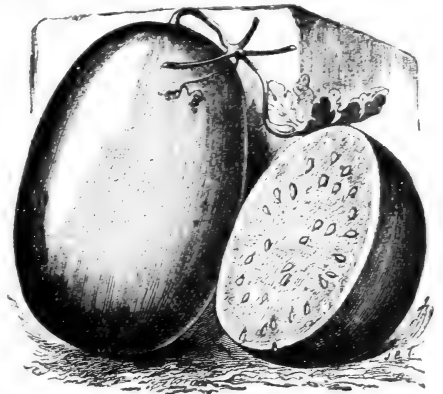
**Fordhook Early**—The largest of the early varieties, often weighing upwards of 30 pounds; flesh deliciously sweet, and of a bright red color. The tough rind makes it valuable for shipping. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.



**PERFECTION MUSKMELON.**

**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., 10c; ¼ lb., 25c; lb., 75c.

**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 over-grown banana. Pkt., 5c; oz., 15c; ¼ lb., 50c.



**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., 10c; ¼ lb., 25c; lb., 60c; 5 lbs. (not prepaid) for \$2.00.

(Other varieties of Watermelons next page.)

In addition to the above varieties we can also supply the following at the uniform price of, pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 65c:  
**Early Green Nutmeg, Improved Christiana, Surprise, Bay View, Cassaba and Jenny Lind.**

*Mr. J. E. Plummer, Colo., writes, Jan. 14, 1896: "Please send me your Catalogue of Seeds. Have used your seeds for years, especially the Tomato."*

**WATERMELON—Continued.**

**Phinney's Extra Early**—The first to ripen, good red; a first-class early market melon. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

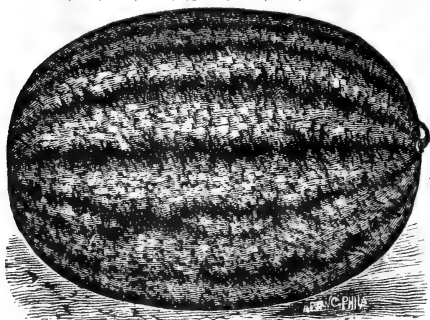
**Dark Icing (Round Peerless)**—Is very solid, rind very thin and tough; highly prized as a shipper; seed white. A popular melon for main-crop early market. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs. (not prepaid), \$2.00.

**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., 10c; ¼ lb., 20c; lb., 60c; 5 lbs. (not prepaid), \$2.00.

**Mountain Sweet**—Oblong, quite early, solid, large; rind thin, flesh deep scarlet; an old favorite for home gardens. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

**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; 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., 10c; ¼ lb., 20c; lb., 60c.



**THE DIXIE.**

**The Dixie**—Among the many melons of recent introduction none have so rapidly advanced in popularity as a melon for general crop as the Dixie. It 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., 10c; ¼ lb., 20c; 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., 10c; ¼ lb., 20c; lb., 60c.

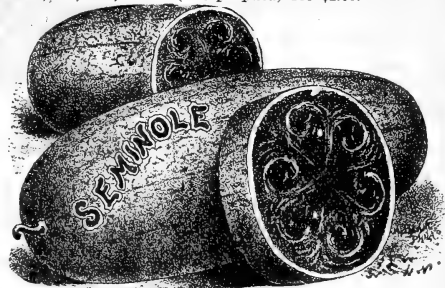
**Cole's Early**—For the home market this is a desirable early variety. It has a green rind striped with lighter shades. Rather oval in shape, of good size. Flesh red, crisp and sweet. The quality is well sustained to the rind. A sure cropper and early enough to be grown anywhere in the United States. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Sweet Heart**—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; lb., 75c.

**KOLB'S GEM.**

**The Great Shipper**—The rind, though quite thin, is very tough, standing handling and shipment long distances without breakage. The flesh is bright red and of excellent flavor; 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 can not be surpassed. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c; 5 lbs. (not prepaid) for \$2.00.

**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., 10c; ¼ lb., 20c; lb., 60c; 5 lbs. (not prepaid) for \$2.00.



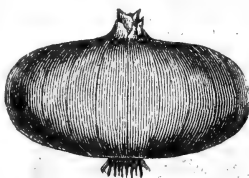
**SEMINOLE WATERMELON.**

**Seminole Watermelon**—A Florida melon, possessing four excellent qualities—extra early, enormously productive, large, and of most delicious flavor. It is of two distinct colors, gray and light green. Melons of both colors are exactly the same in size, shape, color of seed, flavor, etc., pronounced by competent judges to be exactly the same melon in every respect. Melons of both colors are found on the same vine. Try this variety for use on the farm, as it will not stand marketing unless done in small quantity. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

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

**ONIONS.**

**AMERICAN VARIETIES.**



**EXTRA EARLY RED**

5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; 5 lbs., by express, for \$3.75.

**Yellow Danvers, Globe**—Extensively grown as main crop in the eastern states; of beautiful golden color, very productive; a first class keeper; bulb medium large, quite early, thick, bottom nearly flat, top oval, with small neck. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c; 5 lbs., not prepaid, \$3.50.



**LARGE RED CLOBE**

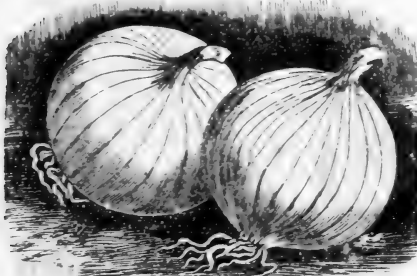
**Southport Large Red Globe**—Matures same time as Red Wethersfield. Is very round, beautiful, glossy, dark red in color, an excellent cropper, and a good seller or keeper. Our customers are taking up with this variety very rapidly, as they find out how good it is. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00; 5 lbs. (not prepaid) for \$3.75.

**Yellow Dutch, or Strasburg**—A flat, yellow onion, a good keeper, later and larger than Danvers. Splendid sort from which to grow onion sets. Price per oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., 40c; 5 lbs., no prepaid, \$2.00.



**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. It is mild, a good keeper, and the best selling onion grown. We are sure our stock will please you. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 30c; 1 lb., \$1.00; 5 lbs. (not prepaid) for \$3.75.



**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., 25c; ¼ lb., 75c; ½ lb., \$2.25.

**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. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$2.00.

**FOREIGN VARIETIES.**

**White Barletta**—(A beautiful pickling sort)—The New Barletta is not only the smallest, but also the earliest onion grown. Color beautifully waxy white. They make a beautiful pickle onion. Pkt., 5c; oz., 20c; ¼ lb., 60c; ½ lb., \$2.00.

**Giant Rocca**—A very large, round, brownish yellow onion of mild flavor. Can be grown in immense quantities if sown early in frame and transplanted. Pkt., 5c; oz., 15c; ¼ lb., 40c; ½ lb., \$1.50.

**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 soon 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., 20c; ¼ lb., 60c; ½ lb., \$2.00.



**MAMMOTH SILVER KING.**

**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



**PRIZE TAKER**

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; ¼ lb., 50c; ½ lb., \$1.75.



**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.

These are hardy.  
Potato Onion Sets—Pt., 20c; qt., 35c.  
Write for prices on onion sets in larger quantity.

**OKRA, OR GUMBO.**

One ounce sows thirty feet of drill.



**OKRA**

**Tall**—Five or six feet; very productive. Pkt., 5c; oz., 10c; ¼ lb., 20c.

**Dwarf**—Early and abundant bearer. Pkt., 5c; oz., 10c; ¼ lb., 20c.

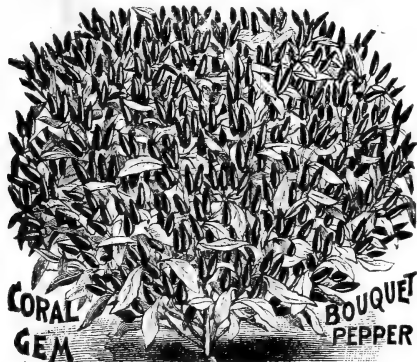
**White Velvet**—Round, smooth pods, unlike other sorts, which have ridged pods. This variety has the largest sized pods of any and are not prickly. Produces in great abundance. Pkt., 5c; oz., 10c; ¼ lb., 25c; ½ lb., 75c.

*Mr. E. F. Fildes, Neb., writes, March 17, 1890: "I notice you do not brag on your goods as — does; however, must say I admire your plain statement of facts rather than the other."*

## 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. I have known gardeners, who grew this variety for market, to sell them by the bush; in this way avoiding the necessity of picking the pods. Pkt., 10c; ½ oz., 25c.

**Long Red**—Beautiful and productive, four inches long and a half inch or more in diameter; flesh thick and hot. Pkt., 5c; ½ oz., 15c; oz., 25c.

**Cayenne**—Small and very hot. The Cayenne Pepper of commerce. Pkt., 5c; ½ oz., 20c; oz., 35c.



**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; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

**Large Sweet Mountain**—Very large and excellent for mangoes. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

**Mammoth Golden Queen**—An improved variety of a very large yellow sort, of fine shape, mild and unexcelled for mangoes. Pkt., 5c; ½ oz., 20c; 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 mild and pleasant to taste. The plant is of sturdy, bushy habit, if planted on soil a little poor, which is best for this sort. Pkt., 5c; ½ oz., 20c; oz., 35c.

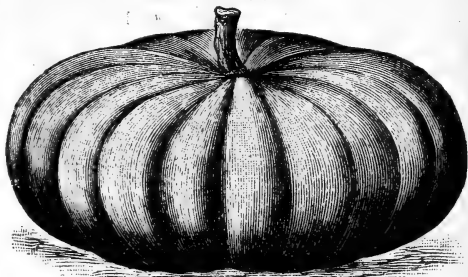
## PUMPKIN.

Pumpkins are generally raised in 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 packets, 25c.

**Large Common Yellow Field**—Grown principally for feeding stock. Pkt., 5c; oz., 8c; ¼ lb., 15c; ½ lb., 40c; 5 lbs. (not postpaid), \$1.00.



## LARGE SWEET CHEESE

**Large Sweet Cheese**—Excellent for pies. Productive, flesh yellow and sweet, keeps well into the winter. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 50c; 5 lbs. (not postpaid) for \$1.75.

**Genuine Mammoth, or True Potiron**—This is the



large pumpkin, on which there is often offered prizes for the largest one grown. It has been known to grow to two hundred pounds and upwards. 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., 10c; ¼ lb., 25c; lb., 75c.

## 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, of excellent flavor. Pkt., 5c; oz., 8c; ¼ lb., 15c; lb., 50c.

**Guernsey**—Thought to be an improvement by some, as they grow shorter than Hollow Crown. Pkt., 5c; oz., 8c; ¼ lb., 15c; lb., 50c.

## PARSLEY.

One ounce to 150 feet of drill.

**Double Curled**—A fine dwarf variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 75c.

**Champion Moss Curled**—Very beautifully crimped and curled. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 90c.

**Fern Leaved**—A very beautiful variety; very desirable for table decoration. Pkt., 5c; oz., 15c; ¼ 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.

**Extra Early Alaska**—This variety is several days earlier than most early sorts, of good size and productive. The vines grow about  $\frac{1}{4}$  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., 40c; pk., \$1.25; bu., \$4.00.

**Not's Excelsior**—A grand new extra early pea. See Novelty List for description and prices.

**American Wonder**—This variety planted in June has matured in thirty-three 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., 40c; pk., \$1.40; bu., \$5.00.

**McLean's Little Gem**—A dwarf green wrinkled variety, twelve to fourteen inches high, no stinks required—very prolific, of superior flavor; matures in about fifty days. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.50.

**Extra Early Premium Gem**—A very fine dwarf pea of the Little Gem type, on which it is an improvement, larger pods and more productive. The best and most profitable early wrinkled

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 eight feet of drill, 2 to 3 bushels to the acre.



## EXTRA EARLY ALASKA.

pea for market gardeners, and for family gardens there is none better. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.25; bu., \$4.50.

**First and Best**—Extremely Early, productive, and ripen all the same time. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.00; bu., \$3.75.

**Tom Thumb Dwarf**—Of remarkably low growth; seeds white, pods contain five or six peas. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.40.

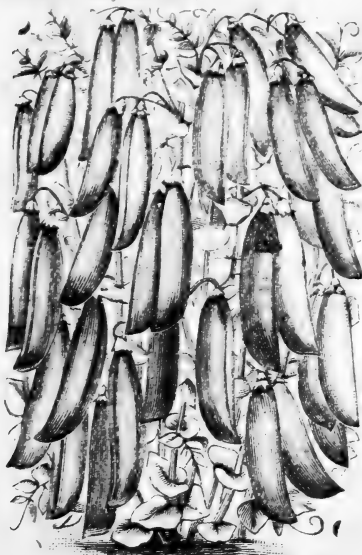
**Livingston's First in Market**—A variety coming only a few days later than the Extra Early Alaska, but having a larger pod. It is used in large quantity by market gardeners for an early market sort, as it is more hardy than the wrinkled kinds, although not quite so sweet, yet it can be planted in colder 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 eighteen inches or two 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., 40c; pk., \$1.15; bu., \$4.00.

## MEDIUM EARLY SORTS.

**Heroine**—One of the finest new peas of recent introduction; having immense pods. For full description and prices see Novelty List.

**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; excellent flavor. Pkt., 5c; pt., 20c; qt., 40c; pk., \$1.15; bu., \$4.00.

(Other varieties of Peas next page.)



LIVINGSTON'S FIRST IN MARKET.

## PEAS—Continued.

**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., 25c; qt., 45c; pk., \$1.25.

**Melting Sugar**—You eat the pods. Ahead of all the edible podded sorts in high quality. Pods large, tender and stringless. You use them same as string beans. Very productive, of branching habit. The best variety of this class. Pkt., 10c; ½ pt., 15c; pt., 25c; qt., 45c; pk., \$1.50.

**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., 25c; qt., 45c; pk., \$1.50; bu., \$5.70.

**Abundance**—Plants half dwarf, 15 to 18 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., 25c; qt., 45c; pk., \$1.15; bu., \$4.00.

**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., 25c; qt., 45c; pk., \$1.25; bu., \$4.50.

**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., 40c; pk., \$1.10; bu., \$4.00.

## LATE SORTS.

**Tall Sugar**—Similar to above, but taller and more productive; very sweet. Pkt., 5c; pt., 25c; qt., 45c; pk., \$1.25.

**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., 40c; pk., \$1.00; bu., \$3.75.

**Champion of England**—Universally admitted one of the best peas grown; delicious flavor, profuse bearer, four feet. Pkt., 5c; pt., 20c; qt., 35c; pk., \$1.00; bu., \$3.75.

**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., 75c; bu., \$2.75.

**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., 75c; bu., \$2.50.

## FIELD PEAS.

They are usually sown broadcast alone or with oats, and either cut and fed green or left to ripen and then threshed and ground with oats.

We carry stocks of three kinds: The Green or Blue, White and the Golden Vine. Pkt. 5c; pt. 15c; qt. 30c; pk. 50c.

Two and a half bushels are sufficient for an acre. Special prices on field peas will be given at any time.

## RHUBARB.

(PIE PLANT—WINE PLANT.)

A deep, rich soil is best for rhubarb. Sow early in drills, eighteen inches apart and one inch deep; the spring following transplanting, allowing each plant at least two feet square; each fall mulch with manure.

One ounce for about eight hundred plants.

**Victoria**—Pkt, 5c; oz., 25c; ¼ lb., 60c.

**Linneaus**—Pkt., 5c; oz., 25c; ¼ lb., 60c.

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

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

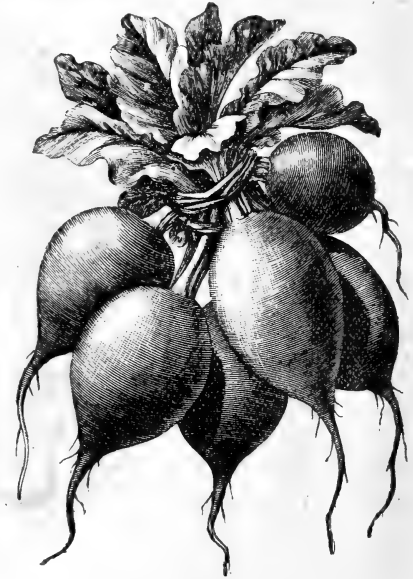
*Mr. Thos. J. Hilton, Dawes Co., Neb., writes, Feb. 13, 1896: "As I want a small order of garden seeds, I will send to you, as I know your seeds are good, and anyone can rely upon them. I remain your old friend and customer," etc.*

## 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.

Cincinnati Market—See Novelty List.

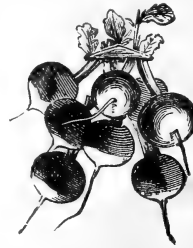


EARLY SCARLET GLOBE.

**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. 10c; ¼ 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. 8c; ¼ 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. 8c; ¼ lb. 15c; lb. 50c.

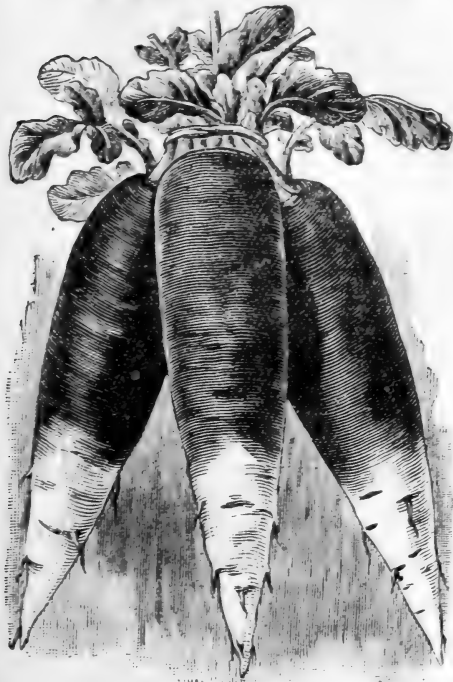
**Lady Finger—(Long White Vienna)**—The finest early summer variety grown—pure pearl white, almost transparent. Stands longest of any and is crisp and sweet. Our gardeners tell us they can pull choice specimens of Lady Finger Radish for a month or more. Every family garden must have it. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c.

**Long Scarlet Short Top**—An admirable sort for forcing; also the leading, our-door, 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. 8c; ¼lb. 15c; lb. 50c.



**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. 8c; ¼lb. 15c; lb. 50c.



**CHARTIER RADISH.**

**Chartier (Shepherd's)**—A decidedly distinct, exceedingly handsome and attractive variety. The color at the top is crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very

large size before it become 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. 8c; ¼lb. 15c; lb. 50c.

**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; ¼lb. 25c; lb. 75c.

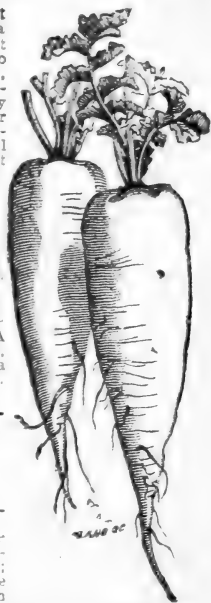
**French Breakfast**—A variety of quick growth, very mild and tender, and one of the best for forcing. Oval form, scarlet tipped with white. Pkt. 5c; oz. 8c; ¼lb. 15c; lb. 50c.

**Livingston's Pearl Forcing**—This new variety of Forcing Radish is a cross between White Strasburg and Wood's Early Frame, combining the staying properties of the former with the earliness, half long shape and small tops of the latter. In color it is of a most beautiful pearl shade, seemingly almost transparent, and of a waxy appearance. It is a little later than Wood's Early Frame, but will remain in bearing of solid roots fully two weeks longer before showing signs of running to seed. For general purposes we think this will surely become popular at once. We would like our customers to try this radish thoroughly. Pkt. 5c; oz. 15c; ¼lb. 50c; lb. \$1.50.

**Long Brightest Scarlet**

**White Tipped**—Of a bright scarlet color at the top and changing to pure white at the bottom, this variety attracts attention. It is very early, being ready for market in about twenty-five days; but like all quick-growing sorts, it must be used at once. Successive sowing will 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; ¼lb. 25c; lb. 75c.

**White Turnip**—Turnip shape, and is of a pure white color and large. A fine early summer sort; that won't get soft for a long time. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c.



## SURE SEEDS.

**White Strasburg**—The roots are handsome, oblong, tapering shape; both skin and flesh are pure white. The flesh 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 very quickly. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c.

**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. 10c; ¼lb. 20c; lb. 60c.

### WINTER VARIETIES.

Sown in summer and can be put away in fall, like turnips, for winter. Store in sand in cellar.

**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; ¼lb. 25c; lb. 75c.

**California Mammoth White**—Is eight to twelve inches long and from two to three inches in diameter; white, solid and good flavor. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

(Other varieties of Radish next page.)

## RADISH—Continued.

**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. 10c;  $\frac{1}{4}$ lb. 20c; lb. 60c.

**Long Black Spanish**—Grows six or eight inches long, and about one and one-half inches through at the top; skin black, flesh white and firm texture. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 20c; lb. 60c.

**Round Black Spanish**—Similar to the above except in shape, which is in this one round, and by some considered more desirable on this account. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 20c; lb. 60c.

**SALSIFY. (Vegetable Oyster)**

One ounce of seed for 80 feet of drill.

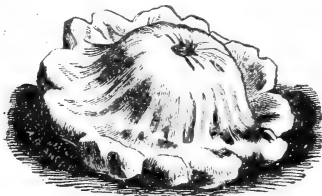
**Long White**—A standard variety. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 30c; lb. \$1.00.

**Mammoth Sandwich Island**—A very large and superior variety. Mild and delicately flavored. Pkt. 5c; oz. 15c;  $\frac{1}{4}$ lb. 35c; lb. \$1.25.

**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.

**BUSH SCALLOP.**

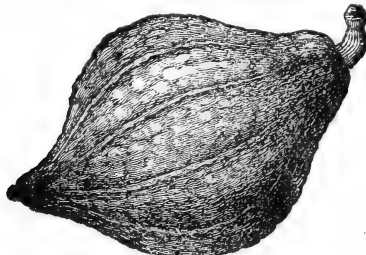
**White Bush Scallop. ("Patty Pan," "Cymbing")**—The earliest of all summer squashes; very productive, pure white. Pkt. 5c; oz. 8c;  $\frac{1}{4}$ lb. 15c; lb. 50c.

**Mammoth White Bush Scallop**—Earlier than the above, and the squashes average at least double the size. It is a continuous bearer. A pearly white, making it very salable. A splendid variety for the southern shipper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 25c; lb. 75c.

**Early Golden Scallop Bush**—Very similar to White Bush Scallop, except in color, being yellow. Pkt. 5c; oz. 8c;  $\frac{1}{4}$ lb. 15c; lb. 50c.

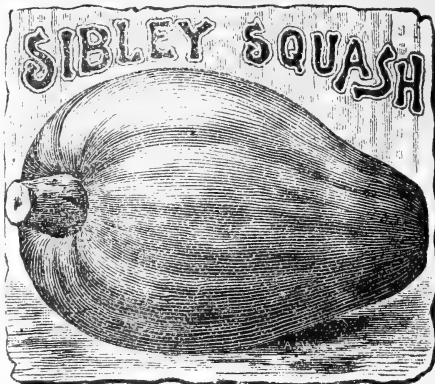
**Yellow Summer Crookneck**—Very early and productive, small crookneck, thickly covered with warts. Pkt. 5c; oz. 8c;  $\frac{1}{4}$ lb. 15c; lb. 50c.

**Giant Summer Crookneck**—This magnificent strain grows to a very large size, and yet is earlier than the common variety. A profitable sort for marketing, because it grows to large size very quickly. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 25c; lb. 75c.

**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. 10c;  $\frac{1}{4}$ lb. 20c; lb. 60c.

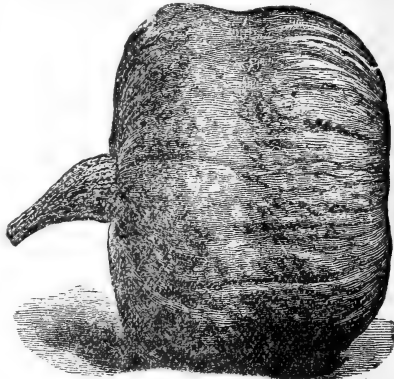


**Sibley, or Pike's Peak**—This sort is growing rapidly in favor. The flesh is solid, thick, orange in color, dry, fine grained and of delicious flavor. Very prolific, ripens fruit evenly, keeps till spring. The shell is pale green in color, very flinty, making a good shipper. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 20c; lb. 60c.

**"Gipsy Belle"**—Is not large, can be split in two places, and when baked is just about right for two persons for a meal. When baked it can be almost entirely eaten. The meat is quite thick and of a very mild, sweet flavor. It is very productive. Pkt., 5c; oz., 15c.

**Livingston's Cushaw**—(Crookneck)—A rich and very popular sort where grown. Color green and white striped. The old fashioned Cushaw squash 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.

**Mammoth Chili**—The largest of all squashes, often attaining a weight of two hundred pounds. The outer color is a rich orange yellow, skin smooth, flesh very thick, of a bright yellow; productive, of fair quality. It is better adapted to feeding stock than table use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 25c; lb. 75c.

**ESSEX HYBRID.**

**Essex Hybrid**—An excellent variety, having the color and shape of the Turban, with the dryness and hard shell of the Hubbard. It is one of the finest grained of all the squashes. Very early, yet a good keeper, flesh a very rich orange color, thick and solid. Pkt. 5c; oz. 10c;  $\frac{1}{4}$ lb. 20c; lb. 60c.

**Fordhook**—Just fair size, not large. Yellow outside, straw yellow within. Flesh dry and sweet. If placed in a cool dry room, keeps in perfect condition throughout the winter and spring. Matures early, a sure cropper and im-



menesely productive. Skin thin, meat thick, seed cavity small. May be used at any stage of growth. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; lb. 75c. We can also supply the following varieties:

## LIVINGSTON'S PIE.

—Just the right size for family use. Looks like a small pumpkin, with a squash stem. Very uniform in size, color and shape. Skin netted and orange color, very attractive. Flesh thick. Small seed cavity. Almost solid. Sweet, fine grained. A good pie maker. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; lb. \$1.00.

We can also supply the following varieties: **Early Prolific Marrow**, **Boston Marrow**, **American Turban**, **Marblehead** and **Faxon**, at the uniform price of—Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c.

## SPINACH.

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

**Savoy Leaved** ("Norfolk," "Bloomsdale")—The earliest variety. Plants of upright growth.

## LIVINGSTON'S

# TOMATOES

So popular have these become that not an American seed catalogue is complete without them, and the sales of varieties of our introduction now aggregate several tons annually. We carry seed grown from our original stock only, buying from us.

Look for our **RED SEAL** on every package.

## 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., etc. Handsome cloth binding, gilt title, profusely illustrated, on finest paper, 176 pages. Price, postpaid, \$1.00, or sent free as a premium with an order for \$8.00 worth of seeds at prices given in this catalogue.

**Livingston's "Honor Bright"**—The very latest of the new varieties originating with us. Refer to Novelty List for full description, prices and picture of it.

**Livingston's New Hawkeye**—See Novelty List.

**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 so all when earliness is the main object desired. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  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 through at the same time; a delicate flavor. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75.

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. 15c; lb. 45c.

**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. 15c; lb. 45c.

**Round Leaved**—The favorite for winter use. Very hardy. It stands our severest winters with but little injury. Oz. 5c;  $\frac{1}{4}$  lb. 15c; lb. 40c.

**Viroflay, or Thick Leaved**—Very large, thick leaves, and quite superior to the ordinary round leaf. Oz., 5c;  $\frac{1}{4}$  lb., 15c; lb., 40c.

**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. 15c; lb. 45c.

**Five pounds any kind Spinach or assorted, by express, for \$1.00.**

Messrs. Charles Satia & Son, Iowa, writes, Sept. 16, 1890: "Your seeds have all been true to name and I have been more than pleased with them; also with your promptness in filling orders."



A. W. LIVINGSTON, Originator of the famous Livingston Tomatoes.

**Livingston's Potato Leaf**—Fruit is smooth and uniform in size. It has flesh-colored skin, same as Beauty or Acme. It comes into bearing quite early for so large a variety, and the heavy foliage protects the fruit from early frosts in the fall. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c.

**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;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75.

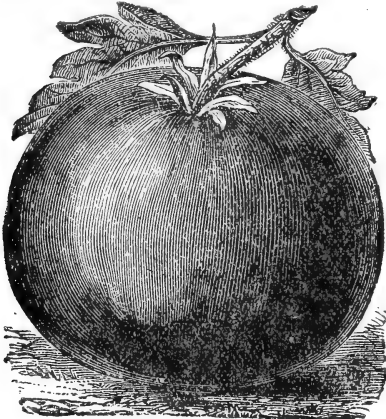
**Livingston's Stone**—Ripens for main crop; is the largest variety, having the bright scarlet color; very smooth, ripening evenly to the stem; exceedingly solid and firm-fleshed (as its name indicates); is an excellent shipper; quality the very best; fine for canning; a good keeper; without hard core; its appearance attractive; very productive. Pkt., 5c;  $\frac{1}{2}$  oz., 15c; oz., 25c;  $\frac{1}{4}$  lb., 75c; lb., \$2.75.

(Other varieties of Tomatoes next page.)

## TOMATO—Continued.



**Livingston's Beauty**—The great table and market sort. The color is quite distinct from any other sort, 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 late in the season. Many other good sorts decrease in size at least one-half before the season is over. 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 can not 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; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.



## LIVINGSTON'S FAVORITE.

**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. The Favorite is a leading variety with canners on account of its being such a heavy cropper, and having such a beautiful crimson-scarlet flesh, so much desired by those who pack first class goods. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

**Livingston's Buckeye State**—A variety very similar to the New Hawkeye Tomato. A fine, smooth, solid variety and one of the largest grown. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.

**Livingston's Paragon**—Has become a decided favorite with market gardeners and canners. It is a large sized variety, larger than several of the standard kinds cultivated. The meat is solid and well flavored. A late variety, color deep red. Pkt., 5c; ¼ oz., 15c; oz., 25c; ¼ lb., 75c.

**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 sort it will suit the most exacting. It is solid and smooth, of uniform growth, size and ripening. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

**Livingston's Gold Ball**—A round, yellow variety. Flesh thick, of extra good quality, medium in size; smooth as an apple; grows in clusters; produces enormous crops. No matter if prejudiced against a yellow sort, this will please you. Pkt., 10c; ½ oz., 15c; oz., 30c.

**Livingston's Golden Queen**—A real good yellow sort of first class quality. It is solid, very smooth, large in size, ripens up early, and is a very handsome sort; in fact, by far the most beautiful yellow variety ever sent out. None better for slicing; the handsome golden slices make a beautiful contrast in a dish with red tomatoes. Pkt., 5c; ¼ oz., 15c; oz., 25c.



## DWARF CHAMPION.

**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 green house and first crop in field. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c; lb., \$2.75.

**The New Peach Tomato**—Very much resembling a peach in color, form, size, and even to the furze or bloom on the skin. Is really a novelty, and when grown for exhibition purposes always attracts attention. It has a very delicate flavor, is productive, lasting until frost; is excellent for preserving. Pkt., 5c; oz., 25c.



**Ground Cherry, Strawberry or Husk Tomato**—This distinct husk-enveloped Tomato is unequalled for preserving and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unequalled. They have a strawberry flavor and produce fruit in great abundance. In sections devoid of fruit or liable to fall, they are esteemed very

highly. They 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., 10c; three pkts., 25c.

We can also supply the following varieties of Tomatoes: **Trophy, Matchless, Mikado, Turner Hybrid**, at the uniform price of Pkt. 5c; 1/2 oz. 15c; 1 oz. 25c. **Red Cherry, Yellow Plum, Yellow Pear**, at Pkt. 5c; 1/2 oz. 15c.

Special Prices on large quantities Tomato Seed

## TURNIP.

(One ounce is sufficient to sow an acre.)

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

**Extra Early Purple Top Munich**—Very early, with a bright, purplish red top and fine root; good only for early use. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.

**Extra Flat Dutch or White Top Strap-leaved**—A standard variety; good size; pure white, small top, with but few leaves; it is very sweet. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.



Extra Early Milan

**White Egg**—A quick growing, egg shaped, perfectly smooth, pure white variety, growing half out of the ground, with small top; particularly adapted for market purposes in summer. The flesh is very sweet, firm and mild. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.

**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., 10c; 1/4 lb., 20c; lb., 60c.

**Large White Globe**—Is one of the most productive kinds; in good, rich soil, roots will frequently grow to twelve pounds in weight. It is of perfect globe shape, skin white and smooth. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.

**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; 1/4 lb., 20c; lb., 60c.



Purple Top Strap-Leaved

has globe-shaped bulbs, with red or purple top; fine quality. Very handsome and attractive for market. Pkt., 5c; oz., 10c; 1/4 lb., 15c; lb., 50c.

**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., 10c; 1/4 lb., 20c.

### 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**—Very hardy and productive; flesh yellow, solid, sweet and fine flavored; the best variety for stock or table use. Pkt., 5c; oz., 10c; 1/4 lb., 20c; lb., 60c.

Special Price on 5 lbs. or more of Turnips.

## TOBACCO.

Sow seed after all danger of frost is past, same as for late cabbage. Best way is to burn a brush heap, then dig up and thoroughly pulverize the soil, mixing ashes and soil. Sow seed, covering very lightly, and when plants are about 8 inches high transplant to rows about four feet apart each way.

**Connecticut Seed Leaf**—Finest variety for wrappers. Pkt., 5c; 1/2 oz., 15c; oz., 25c.

**Havana**—The genuine article. Pkt., 5c; 1/2 oz., 15c; oz., 25c.

## FLOWER SEED COLLECTIONS COLLECTION A—50 CENTS.

Thirteen Large Packets for 50 Cents.

Especially recommended for

EARLY AND SHOWY BEDS.

1. Sweet Alyssum. 2. Asperula. 3. Candytuft. 4. Gilia. 5. Larkspur. 6. Mignonette. 7. Double Poppy. 8. Balsam. 9. Dianthus. 10. Phlox. 11. Pansy. 12. Portulacca. 13. Pansy.

## COLLECTION B—25 CENTS.

Seven Large Packets only 25 Cents.

For Late Flowers is Unsurpassed.

1. Aster. 2. Adonis. 3. Cosmos. 4. Dahlia. 5. Salvia. 6. Zinnia. 7. Verbena. One packet each, 7 kinds, for only 25 cents.

## Flower Seed Discounts.

If our collections do not meet with your approval, please look through the following list and make up your own collections, and we will allow discounts as follows:

For 25 Cents,

We will send 35 cents worth of Flower Seeds; in packets only, no ounces.

For 50 Cents,

We will send 70 cents worth of Flower Seeds; in packets, no ounces.

For \$1.00,

We will send \$1.40 worth of Flower Seeds; in packet quantities only.

These discounts do not apply on Flower Seeds ordered by the ounce; neither on the collections A and B, or on bulbs



Livingston's

# Flower Seeds.

OUR LIST comprises largely the flowers most easily grown, and that give the greatest satisfaction with least trouble. We import most of them from Germany, as they give the very best satisfaction in this country, and we have been able to get them very true to name and *sure to grow*. Try a collection, it will repay you. Flowers about a home increases the value very much at a slight cost.

For Flower Seed Collections and Discounts see page 29.

## 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.

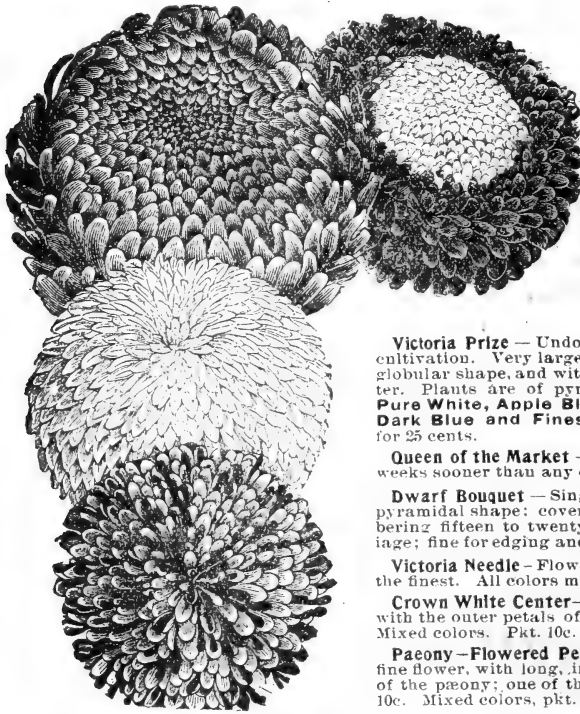
**Paony** — **Flowered Perfection** — Large and remarkably fine flower, with long, incurved petals, resembling those of the peony; one of the finest Asters. **Pure white,** pkt. 10c. **Mixed colors,** pkt. 5c.

## 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.



**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; 18 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.

Odoratum Sweet—Pkt. 5c.

**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 green-house, all winter. Grows 1 1/2 feet high, and plants should stand 2 feet apart. Color light blue. Hardy annual.

**Ageratum Mexicanum**—Blue. Pkt. .... 5c

**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.



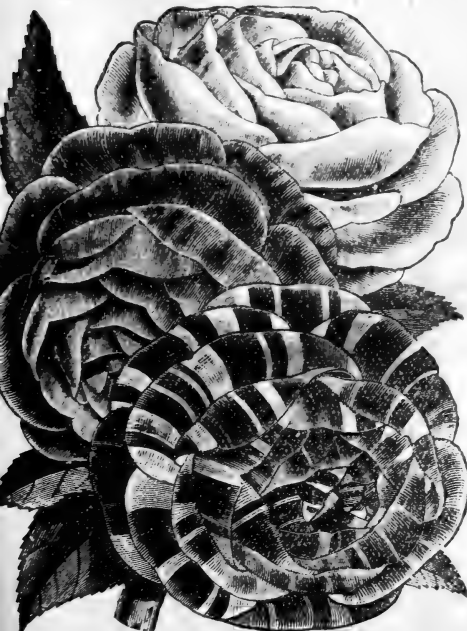
**BACHELOR'S BUTTON.**

(CENTAUREA.)

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

Cyanus—Pkt., 5c.

**Gymnocarpa**—White Leaved or Dusty Miller variety. Valuable for ribbon bedding; of silvery whiteness; half hardy perennial; 1 1/2 feet. Pkt., 10c.



**DOUBLE CAMELLIA 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. It is one of the most beautiful and popular of our annuals; an old favorite, and very much improved during recent years. Tender annual.

**Double Camellia 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., 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 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 can not be too rich. Should be three feet apart. Tender annual, two feet high. Fine mixed colors. Pkt., 10c.

**CASTOR OIL BEANS**—(RISCINUS).

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 feet high.

Common—Oz., 10c; pkt., 5c.

**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 can not fail to please anyone.

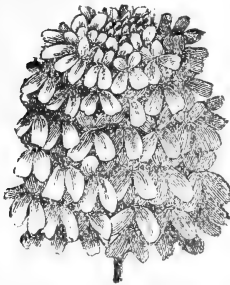
**Extra Choice Mixed**—Pkt., 25c.

**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., 15c.

**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. .... 5



**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. .... 5

Mixed Colors—Oz., 20c; pkt. .... 5

Tom Thumb—Only four to six inches; blooms freely from June until frost; fine for edgings. Pkt. .... 5

**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. .... 25

**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. .... 10

**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 drained 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. .... 5

**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. .... 5

Prince of Orange—Florets are striped with a very intense orange; a profuse bloomer. Pkt. .... 5

**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, mid-rib 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. .... 10

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

**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. .... 10

Pure White—Pkt. .... 15

**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. .... 5

**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; six inches long.

Alpestris—Blue. Pkt. . . . . 5

**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. Sow in open ground. Hardy annual.

Mixed—Pkt. . . . . 5

**GOURDS.**

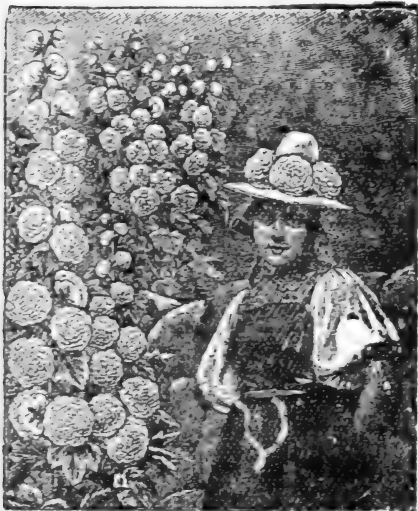
Small, Ornamental Sorts.

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 feet.

Mixed—Many beautiful varieties. Pkt. . . . . 5

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. . . . . 10c

Extra Choice Mixed—Pkt. . . . . 10c

**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 Christallum)—Pkt. . . . . 5

**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**

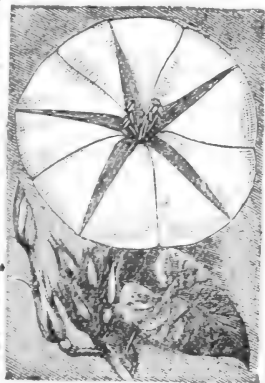
The best known and most popular annual climber we possess. The seeds germinate so readily that they can be grown in the garden any place where the plants are needed. Supply support early, either cord, wire or brush. The flowers open very early in the morning, and close as soon as the sun becomes warm.

Mixed—Morning Glory—Climber; mixed. Oz., 10c; pkt., 5c.

Dwarf Morning Glory—Beautiful, showy plants, rich colored flowers. Hardy annual. Mixed. Pkt., 5c.

**MOON FLOWER**

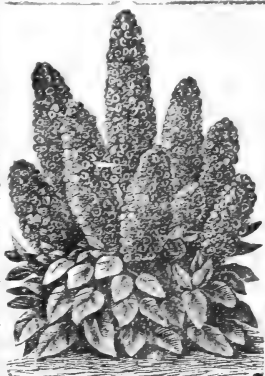
Beautiful climbers and exceedingly attractive when mixed with other climbers. Flowers of graceful form, very large and pure white. They are good for the greenhouse, and especially good for verandas, trellis, stumps, arbors, etc. Start plants in the house in March, 10 feet. Tender annual.



Grandiflora (White Seeded)—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. Sown in autumn will bloom early in spring. Hardy annual; perennial if protected. One foot high.

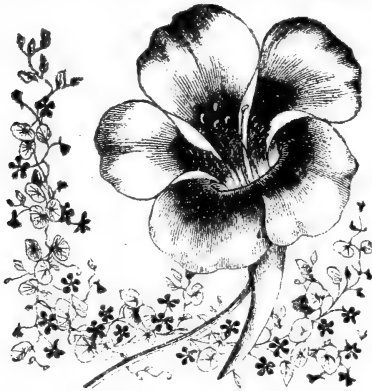


**MIGNONETTE MACHET.**

**MIGNONETTE—Continued.**

- Roseda Odorato**—(Sweet Mignonette)—Large flowering. Per oz., 20c; pkt., 5c.  
**Golden Queen**—Is a mass of golden yellow when in flower. Pkt., 5c.  
**Machet**—A variety of very dwarf, vigorous growth with massive spikes of deliciously scented red flowers; the best of all sorts for pots. 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, and blooms more freely than the dwarf varieties.

**TOM THUMB, OR DWARF SORTS.**

- 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. .... 5c

**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. .... 5c  
 Seven 5-cent packets of Nasturtiums for 25c.

**MARIGOLD.**

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

- Mixed Colors**—Two feet. Pkt. .... 5c

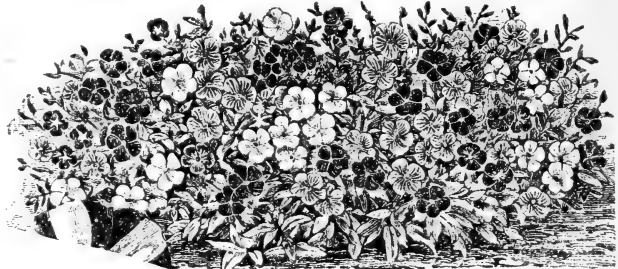
**NICOTIANA—(TOBACCO PLANT).**

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. .... 5c

**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. .... 5c  
**Brilliant Scarlet**—Pkt. .... 5c  
**New Double White**—Pkt. .... 10c  
**Choice Mixed**—Oz., 50c; ½ oz., 30c; pkt. .... 5c



**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).**

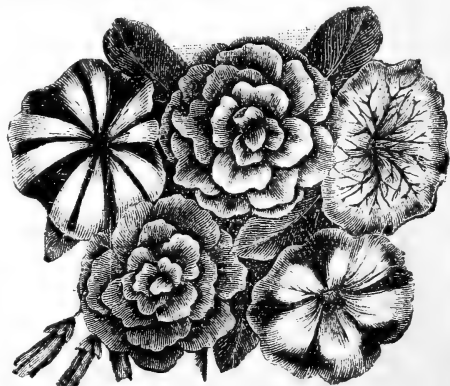
The center of each petal runs out into a point one-quarter to one-third of an inch beyond the edge, which gives the flowers a regular star-like form. This variety is of compact habit and bears large umbels of flowers. The beautiful velvety florets, running through shades of scarlet, pink, violet, salmon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

**PETUNIA.**

Petunias are unsurpassed, if indeed equalled, 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.

- Inimitable Blotched and Striped Single**—Pkt. .... 5c  
**Finest Mixed Single**—First quality. Pkt. .... 5c



PETUNIA.



## LIVINGSTON'S PANSIES.



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. To have good flowers the plants should be vigorous and make a rapid growth. Young plants give 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.

Fawn Colored—Pkt.....	5
King of the Blacks—The darkest Pansy known. Pkt.....	5
Silver Margined—Extra fine. Pkt.....	5
Snow Queen (Snow Flake)—Satin white, light yellow center. Pkt.....	5
Blue—All shades. Pkt.....	5
Yellow Gem—Pure yellow; very fine. Pkt.....	5
Dark Purple—Rich purple; very fine. Pkt.....	5
Mahogany Colored—A very fine variety. Pkt.....	5
Striped and Mottled—A lovely class, of various shades and stripes. Pkt.....	10
Red Flowered Victoria—A new color among Pansies, deep claret red. They come very true from seed. Pkt.....	10
Havana Brown—Rich glossy brown. Pkt.....	5
Lord Beaconsfield—Deep purple violet, shading upwards to nearly white. Pkt.....	5
Bronze Colored—Very good. Pkt.....	5
Good Quality, Mixed—Oz., \$1.50; pkt.....	5
Large, Flowering—Very fine mixed, embracing all the separate colors of German Pansies. oz., \$3.00; pkt.....	10
Livingston's Superb Mixture—This truly "su- perb" 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..... 25

## NEW GIANT PANSIES.

Giant Trimardeau—Altogether distinct and beautiful; the flowers are larger than any hitherto produced. An endless variety of beautiful shades. Mixed. Pkt.....	15
Giant Yellow (Trimardeau)—The flowers are of gigantic size; a bright golden yellow, spotted with black in center. Pkt.....	20
Giant White (Trimardeau)—A very beautiful new Pansy, with purple eye. Pkt.....	25
Giant Odier (Five-blotched)—A beautiful strain of various colored, large, handsome, perfect formed flowers; dark spot on each petal; pkt.....	25
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.....	25
Any seven 5-cent packets of Pansy Seeds for 25c.	

**PORTULACA (ROSE MOSS.)**

Makes a dazzling display of beauty, many hued, highly colored. Are in bloom from about the first of July till frost. Plant in 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.

**DOUBLE PORTULACA.**

**Finest Single Mixed**—Many beautiful sorts; pkt. 5  
**Double Rose Flowered**—Perfectly double, of many brilliant colors, as well as striped. Mixed colors. Pkt. .... 10

**POPPIES.**

Showy and ornamental plants with large flowers of brilliant colors. Very attractive in large beds, clumps and mixed borders. They are of very easy culture, and succeed in any garden soil; the seed should be sown where it is to remain, as they do not stand transplanting. Two feet. Hardy annual.

**Double**—Splendid double flowers; mixed colors. Pkt. .... 5c  
**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. .... 5c

**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 six inches apart. If not kept too warm, are useful for house plants. Double varieties mixed produce flowers as large as the Carnation or Picotee. Hardy annual.

**China or India Pink (Double)**—Superb mixed. Pkt. .... 5c  
**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

**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 kept moist. Transplant as soon as the second leaves appear, and shift plants as they grow.

**White**—Single, large flowering, fringed. Pkt. 25c  
**Sright Red**—Large, flowering, fringed. Pkt. 25c  
**Bingle Mixed Colors**—First quality. Pkt. .... 25c

**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 autumn. 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. .... 5c

**SALVIA.**

**Splendens** (Scarlet Sage)—Most gorgeous plants, with spikes of intensely scarlet flowers. The flower spikes measure from ten to twelve inches in length, and there are as many as two hundred 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.**

Sweet Peas have crept into the popular heart in a remarkable manner of late years. Society has taken them up, and they are receiving as much attention at the hands of florists as any other flower. It is now at the high tide of popular favor, and deservedly so, as there is none more beautiful and fragrant. It is one of the few flowers that needs no company; so beautiful is it that any other flower detracts from its grace and simplicity.

**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.

### NEW SWEET PEA.

## "AURORA."

**NOVELTY FOR 1897**—See last page of cover for picture of this grand new sort.

It is impossible to overpraise the striking beauty of this gigantic-flowered new Sweet Pea. The flowers are of fine substance, full expanded form, and are truly gigantic in size. The flowers are borne three and four on a stem, which is extra long and strong. The vines are vigorous in growth and bloom most profusely. The color effect is gorgeous; both standard and wings are flaked and striped on a white ground with bright orange-salmon. For bunching alone, or to brighten a bouquet of assorted colors, nothing could be more effective. Grown among hundreds of varieties, it will prove striking, attracting the attention at once, both on account of its enormous size and wonderful brilliancy of the flowers. The above is what the introducer has to say for this variety. Price per pkt., 15c; 2 pkts., 25c; 10 pkts. for \$1.00.



**Daybreak**—A fine new Sweet Pea introduced only last season. It is quite distinct, as would very naturally be the case, coming, as it does, from the Sweet Pea specialist, Rev. Hutchins, one who has grown more varieties under comparison than any other one, possibly, in America. Mr. Hutchins has had the "Daybreak" in his collection for upwards of 5 years and will vouch for it as a good germinator, a thrifty grower, and a fine bloomer. It is very distinct and pretty. 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 net-work, 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., 10c; 3 for 25c.

**Borreation**—A fine Pea, having deep maroon flowers. Pkt., 5c.

**Queen of England**—Pure white. Pkt., 5c.

**Miss Blanch Ferry**—One of the very best Sweet Peas ever introduced. It is 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., 5c; oz., 8c; ¼ lb., 15c; ½ lb., 50c.

**Carmine Invincible**—Shining crimson scarlet. Pkt., 5c; oz., 10c.

**Isa Eckford**—Creamy white and rosy pink. Pkt., 5c.

**Emily Henderson**—"Pure white, lustrous as satin." Flowers of remarkable substance, borne on long, stiff stems, and are very large. Plant robust, branching, producing an abundance of bloom. Very early, and remains a long time in bearing. Very fragrant. The best white in cultivation. Pkt., 5c; oz., 10c; ¼ lb., 20c; ½ lb., 60c.

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

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

**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 can not be improved upon. The blossoms of this strain are fully double the size of the common kinds. Pkt., 5c; oz., 15c; ¼ lb., 30c; ½ lb., \$1.00.

**Eckford's Fine Mixed**—This 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., 5c; oz., 8c; ¼ lb., 15c; ½ lb., 50c.

**"Cheap" Mixed**—We do not recommend this mixture, but in order to meet competition we have it made up of certain common varieties that seed more freely and offer it at 35c per pound, post paid. To those who have not taken special interest in the newer sorts this may give satisfaction. Price per oz., 5c; 3 ozs. for 10c; ½ lb., 35c; 3 lbs. for \$1.00, post paid. By express, at purchaser's expense, ½ lb., 25c; 5 lbs. for \$1.00.



### NEW DWARF "CUPID."

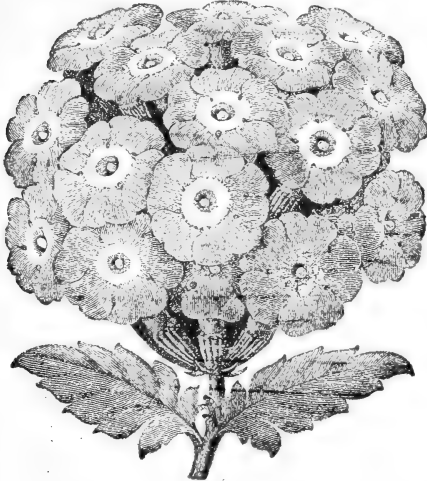
**New Dwarf Cupid**—The first and only dwarf Sweet Pea yet introduced. It grows only about 5 inches in height and has a profusion of beautiful white blossoms, which have the fragrant size, length of stem and substance of the common kinds. The buds, which run two and three to each stem, all open at about 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. Very desirable for the border of beds or along side of walks. For bouquet or for the Violette, Rose or Carnation. Last season the Cupid could only be offered in packets of small size for 15c, but this season we have secured sufficient quantity so as to be able to offer liberal packets at 10c each, 3 for 25c.

**Butterfly Pale gray**, with distinct porcelain edge. Pkt., 5c; oz., 10c.

**Painted Lady**—Rose and white. The beautiful old pink variety so popular with all who have grown Sweet Peas. Pkt., 5c; oz., 8c; ¼ lb., 15c.

**VERBENA.**

No plant is more generally cultivated or more eagerly sought after than the Verbena, and no plant excels it for masses in beds on the lawn. 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 of this magnificent flower. Our seed will not fail to produce the best results. Mixed, pkt., 10c.

- Scarlet Defiance**—True deep scarlet. Pkt. .... 10c
- Pure White**—Quite true. Pkt. .... 10c
- Striped Varieties**—A great variety. Pkt. .... 10c
- Verbena Hybrida**—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.

- Pkt. .... 5c
- Alba**—Double pure white, dwarf and compact.
- 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.

- Three 10 cent packets for 25c.
- Seven 5 cent packets for 25c.
- ABRONIA**—Trailing habit. Mixed colors. .... 5
- ASPERULA**—Adapted for bouquets; bright blue. *Azurea Seatosa*. .... 5
- ADONIS**—Scarlet flowers; handsome. Mixed. .... 5
- ADLUMIA** (Mountain Fringe) — Attractive climbing plant. .... 10
- AGROSTEMMA**—Pretty for edgings. *Rosea*. .... 5
- ANAGALIS**—Adapted for borders or rockeries. Mixed. .... 5
- AMMOBIUM**—A good everlasting. *Alatum*. .... 5
- AMARANTHUS**—Handsome foliage. All kinds mixed. .... 5

- ALONSLA**—For mixed beds. *Linifolia*. .... 10
- ACCROCLINUM**—A beautiful everlasting. Mixed. .... 5
- BALSAM APPLE**—Very curious vine and fruit
- CALLIRHOE**—Rich velvet purple blossoms, white eye. Mixed. .... 5
- CENTRANTHUS**—Beautiful for masses or borders. Mixed. .... 5
- COLUMBINE** [*Aquilegia*]—Beautiful in form and color. Mixed. .... 5
- CATCHFLY**—Free flowering; red, rose, pink-like blossoms. Mixed. .... 5
- CANARY BIRD FLOWER**—A beautiful climber, yellow blossom. .... 10
- COLLINSIA**—Pretty, free blooming, hardy annual. Mixed. .... 5
- CALLIOPSIS**—All shades, from yellow to reddish brown. Mixed. .... 5
- COSMOS**—Fine autumn bloomer. Mixed. .... 10
- Pearl**—Pure white; valuable for florists. .... 10
- DAHLIA**—Large late flower. **Double mixed**. .... 10
- DIGITALIS** [*Foxglove*]—Handsome ornamental plants. Mixed. .... 5
- EUPHORBIA**—An ornamental leaved plant. *Variegata*. .... 5
- EVENING PRIMROSE**—Fine flowering plants, open in evening. *Lamarkiana*. .... 5
- EUTOKA**—Excellent for cutting. *Viscida*. .... 5
- GYSOPHILA**—Small white flowers for bouquets. *Elegans*. .... 5
- GOETIA**—Free and constant bloomer. Mixed
- GILIA**—Finely cut foliage. *Celestial blue* blossoms. Mixed. .... 5
- GOMPHRENA**—Everlasting; retains shape and color. Mixed. .... 5
- GAILLARDIA**—Very large showy flowers. Constant bloomers. Mixed. .... 5
- HIBISCUS**—Flowers cream colored, purple center. *Africanus*. .... 5
- HELICHRYSUM**—A very fine everlasting flower. Mixed. .... 5
- HYACINTH BEAN**—A splendid climber; purple and lilac flowers. Mixed. .... 5
- LINUM**—A good bedding plant; saucer-shaped scarlet flowers. *Rubrum*. .... 5
- LUPINUS** [*Lupinus*]—Long, graceful spikes of bloom; rich colors. Mixed. .... 5
- LEPTOSIPHON**—Good for marginal beds and borders. Mixed. .... 5
- LARKSPUR**—Beautiful spikes of double-flowers in many colors. Mixed. .... 5
- LANTANA**—A bush covered with blossoms, followed by berries. Mixed. .... 5
- MIMULUS** (*Monkey Flower*)—Beautiful spotted blossoms. *Fine mixed*. .... 1
- MAURANDIA**—A delicate climber, with small flowers. Mixed. .... 0
- MOURNING BRIDE** [*Scabiosa*]—Handsome flower; very sweet. .... 5
- NEMOPHILA** [*Love Grove*]—For border or pot culture; flowers exquisite. Mixed. .... 5
- NOLANA**—Trailing plant; for baskets, rock-work and beds. Mixed. .... 5
- ORNAMENTAL GRASSES** [*Mixed*]. Small pkt. 5c; large pkt. 10c.
- RHODANTHE**—Fine for winter bouquets. Mixed. .... 5
- SUNFLOWER, Dwarf Double**—A good plant for screen. .... 5
- SUNFLOWER, Mammoth Russian**—Largest; most productive. .... 5
- SALPIGLOSIS** [*Velvet Flower*]—Rich colored, funnel-shaped flowers. Mixed. .... 5
- SCHIZANTHUS**—Bright colors; useful for bouquets. Mixed. .... 5
- SMILAX**—One of the most graceful climbers in cultivation. Mixed. .... 10
- SEDUM** [*Stone crop*]—For rockery or hanging baskets. Mixed. .... 5
- VINCA**—Glossy green foliage; beautiful flowers. Mixed. .... 10
- VIOLET**—For border or rockwork; requires shade. *Blue*. .... 10
- 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.

Last season our two "Hard Times" Collections of Bulbs met with such hearty approval—not a word of complaint having reached us during the season—we have felt like trying again. Please don't ask us to change them; we have done the best we can. Hurry up and send us your order; we may recall these generous offers with the return of good times, so much looked for.

### Livingston's Bulb Collections

#### 25 CENT COLLECTION.

3 Beautiful Gladiolus, 2 Pearl Tuberose, 2 Cinnamon Vine, 2 Oxalis and 1 Mila Biflora.

10 Bulbs for only 25 Cents.

#### 35 CENT COLLECTION.

5 Choice Gladiolus, 3 Pearl Tuberoses, 1 large leaved Caladium; 3 Madeira Vines, waxy-leaved; 2 Oxalis and 1 Mila Biflora.

15 Bulbs for only 35 Cents.

#### 50 CENT COLLECTION.

6 Gladiolus, all different; 3 Tuberoses, pure white, fragrant; 4 Oxalis, for hanging basket, 1 Caladium, large leaved; 2 Cinnamon Vines, 2 Madeira Vine and 2 Mila Biflora.

20 Bulbs for only 50 Cents.

#### BULB DISCOUNTS.

Should any one not be pleased with my idea as to collections, I will be pleased to have you make up your own collections, and you may select

\$.30 worth of Bulbs, at list price, for.....\$.20  
.60 worth of Bulbs, at list price, for......50  
1.25 worth of Bulbs, at list price, for..... 1.00

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 15c; 2 for 25c.

**Atamasco**—Fine for bedding. White, suffused with rose. Each 5c; doz. 30c.

**Johnsonii**—Flowers large crimson, striped with white; very fine; small bulbs. Each 2c. Large size, each 5c.

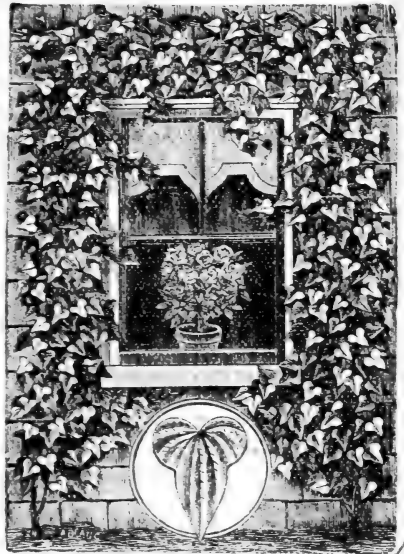
#### AMPELOPSIS—(IVY).

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

**Virginia Creeper, American Ivy**—A perfectly hardy variety under all conditions. An exceedingly rapid grower. Each 20c; 3 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



CINNAMON VINE.

white flowers, it is one of the most desirable climbers in cultivation. Strong roots. Each 8c; 2 for 15c; 4 for 25c.

#### CLEMATIS VINES

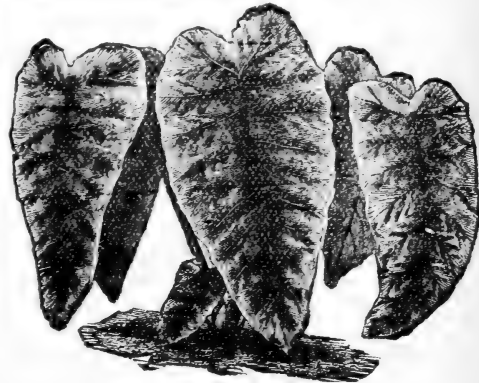
The Clematis must have a sunny location and good culture. Dig the ground deep, make it rich, and water whenever needed.

**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, free bloomer, having flowers of large size and creamy white. Large plants. Each 60c 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.

**LARGE FLOWERING FRENCH CANNAS.**

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



**LARGE FLOWERING FRENCH CANNA.**

**Madam Crozy**—This grand new sort has flowers double the size of Gladiolus spikes; are of deepest vermilion red, with a distinct gold border.

They are almost constantly in bloom, and excel all others in size of individual flowers. The large rounded petals are each a thing of beauty. Each 15c; two for 25c; doz. \$1.50.

**Star of 91**—Height three feet; foliage green; flowers glowing, orange-scarlet; petals broad, faintly banded with golden yellow; very free flowering. Each 15c; doz. \$1.75.

**Florence Vaugar**—A striking, yellow, spotted Canna. It is lemon-yellow, spotted with bright red; free bloomer; has large spikes of flowers; foliage light green. Each 20c; doz. \$1.75.

**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. Each 25c; doz. \$2.50.

One each of above choice Cannas, no two alike, for only 60 cts.

**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 three 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.

**Golden Bedder**—Pure yellow. Each 20c.

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

**Soliman**—Yellow striped with purple. Each 25c.

**Joha Sladden**—Nearly black. Each 25c.

One each of above Dahlias for \$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 six to eight inches apart, large ones four inches deep, small ones two 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 markings can be had where fine colors and distinct markings are desired. At the 100 price we do not prepay charges.



**GLADIOLUS PLANT, BULB AND FLOWER.**

	Each.	Doz.	100.
Red, of various shades.....	3	25	\$1.50
White and Light.....	5	40	3.00
Yellow Shades.....	6	50	3.75
Striped and Variegated.....	5	50	3.50
Pink, various shades.....	5	40	3.00

	Each.	Doz.	100.
Salmon .....	9	55	4.00
Extra Fine Mixed.....	4	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 .....	6	50	4.00

We will not disappoint you on Bulbs. Try us.

## 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. So hardy they can be left out over winter. Fine bulbs, each 25c; doz. \$3.

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

**Rubrum**—Rose white, spotted with crimson. Each 20c; doz. \$2.50.

**Tigrinum** (Single Tiger Lily)—Hardy; orange-red spotted with black. Each 15c; doz. \$1.50.

**Wallace**—Clear buff, spotted with black. Each 25c.

**Mila Biflora**—Desirable on account of the large waxy white flowers which are borne two or three on a stalk, about twelve inches in height. They are of such leathery texture the flowers keep for a week after cutting. Each 10c; 3 for 25c.

## 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. Bulbs are large and vigorous.

**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.

## 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.

## VEGETABLE PLANTS

The plants which we send out are from our best stocks, and we think fully equal to any seed stocks we have as regards quality. They are grown by one of our most successful gardeners and will be stocky and vigorous. Should you fall with your plants, or find you will be short, let us have your order. We send plants only by express at purchaser's expense, and do not care to accept orders for less than \$1.00 worth at a time when they have to be shipped.

**Cabbage, Early**—Ready about April 10th. Early Wakefield, Early Summer, etc. Transplanted plants. Price per 100, 50c; per 1,000, \$3.70.

**Cabbage, Late**—Ready about June 1st. Premium Flat Dutch, Drumhead, etc. Per 100, 90c; per 1,000, \$2.00.

**C-ulliflower**—Ready about May 1st. Early Snowball, Early Erfurt. Transplanted plants. Price per 100, \$1.00; per 1,000, \$7.00.

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

**Egg Plant**—Ready about May 1st. New York Improved. Transplanted plants. Price per 100, \$1.00.

**Pepper**—Ready about May 1st. Ruby King, Bull Nose, Sweet Mountain, Cayenne. Transplanted plants. Price per 100, 75c.

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

**Sweet Potato**—Ready about May 1st. Yellow Jersey, Yellow Nansmond. Per 100, 25c; 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. 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. We have left it to him to suggest the very best varieties to grow, out of a great many, so you will run no risk at all in ordering any of these, in any quantity. This is what he has to say about it: "As to best varieties of strawberries to name, this is very hard to do, as soil, locality and cultivation, as well as season, makes so much difference with the different varieties. Then again it requires a different berry to ship, to one that will do well for home market. The Warfield is my stand-by for any use; fertilized with Bedwood or Lovett. Bubach and Haverland are large and prolific and ought to bring the highest price in the home market, but they won't ship—too soft. Robinson is a good fertilizer, prolific and a good shipper. Parker Earl is the most productive I know of, but must have rich soil, plenty of moisture and high cultivation to be able to mature the big crop it sets. From three years' experience with the Bisel I believe it to be in some respects ahead of Warfield. From the reports in our horticultural papers, it is a success wherever tried. I have no fears in recommending it.

"As to Raspberries, there is no doubt in my mind but the Kansas for early, the Oeder for medium and the Nemaha for late, is the best selection I can get for my soil, which is prairie. On timber soil the Gregg does well for late. The Palmer is a day or two earlier than Kansas, but berry is smaller and I don't think it is quite so productive. The Kansas is a stronger grower than Palmer."

The following description of varieties are as given by our nurseryman, and we believe correct in every particular.

**Prices**—Our prices are as low as first-class plants can be sold, in quantities mentioned. Good plants put up in first-class shape can not be sold at shoddy prices without loss to somebody. Cheap plants, as a rule, mean poor plants. We sell 50

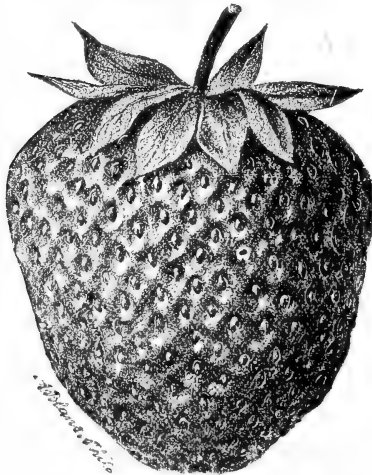
**SMALL FRUIT PLANTS—Continued.**  
plants at the 100 rates; 500 at the 1,000 rate. No plants will be sent C. O. D.

**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 of 50. Packed in crates with good clean moss. No charge for packing.

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

**STRAWBERRIES.**



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 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 \$1.00 prepaid; 1,000, \$3.00, 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. 25c; 100, \$1.00, prepaid; 1,000, \$3.50, 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, \$1.00, prepaid; 1,000, \$3.50, 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 shipping quality; when fairly ripe it is too soft for a good shipper. For a home market, it would be a profitable berry to grow. Doz. 25c; 100, \$1.00, prepaid; 1,000, \$4.00, 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. Yet in many places, of late, it has not done as well as formerly. It has not done so well for me of late as it used to do. It is too soft for a market berry. Doz. 25c; 100, \$1.00, prepaid; 1,000, \$4.00, not prepaid.

**PARKER EARL (S).**

Under favorable circumstances, this is certainly the most productive berry I have yet tested. But it sets such an enormous crop of berries that it must have rich soil, high cultivation, and plenty of water from blossoming time until the fruit is ripe, or it can not mature its crop. The fruit is fair size, bright red, handsome, cone shaped with slight neck, good quality, moderately firm, a fairly good shipper; blossoms perfect with lots of pollen. It makes but few plants, but they are very large. We plant it about twelve inches between plants in the row, and at that distance apart, makes a good fruiting row. Doz. 30c; 100, \$1.25, prepaid; 1,000, \$6.00, 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 and hardy, a good grower and plant maker. We think it well worthy of a fair trial; by every one. Doz. 25c; 100, \$1.00, prepaid; 1,000, \$4.00, not prepaid.

**BISEL (P).**

A comparatively new variety. A seedling of the Old Wilson, propagated right in the heart of the greatest strawberry country in the West. The plant is a vigorous grower, healthy and hardy, makes plenty of plants, has long roots which enable 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. This berry took the premium two years in succession over all others at the Marion County, Illinois, Horticultural Exhibit. This is saying a great deal for any strawberry in a county where strawberries are the principal crop—much the same as corn is here. I have watched the reports on it for the last two years from every place that it has been tried, that I could hear from, and 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. 30c; 100, \$1.00, prepaid; 1,000, \$4.00, not prepaid.

**CONDENSED LIST.**

**Other Varieties Strawberries.**

	By mail.	By mail.	By express.
	12.	100.	1,000.
(P) Crescent . . . . .	\$0.25	\$1.00	\$3.00
(S) Capt. Jack . . . . .	.25	1.00	3.00
(S) Wolverton . . . . .	.25	1.00	4.00
(S) Vanders . . . . .	.30	1.00	4.00
(S) Gardner . . . . .	.30	1.00	4.00
(P) Greenville . . . . .	.30	1.00	4.00
(S) Lady Thompson . . . . .	.30	1.00	4.00
(S) Brandywine . . . . .	.40	1.25	4.50
(P) Timbrel . . . . .	.40	1.00	4.00
(S) Splendid . . . . .	.30	1.00	4.50
(S) Belle . . . . .	.30	1.00	4.00

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.**

*Mr. C. F. Warren, Marshall County, Iowa, writes, January 28, 1890: "I send order for Tomato seeds to start in hot bed. Our canning factory selects the Acme and Favorite as the kinds best for their purpose, and RECOMMEND obtaining the seed from YOU, as it is pure, fresh, and will grow."*



## RASPBERRIES.



## KANSAS.

This originated at Lawrence, Kansas. It has proven hardy everywhere it has been tried, so far as I can learn, and is highly praised by all who have fruited it. 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 Taylor. The berry ripens a good shipper, and of good quality. It is firm, a much harder than Gregg; is a freer and stronger grower and much more productive. I believe it will prove to be one of the best yet introduced. Per doz. 50c, postpaid; by express, not prepaid, per 100, \$1.50; per 1,000, \$15.00.

## OLDER.

This 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 hardiest 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 Taylor and lasts the longest of any. It is decidedly the richest and best berry which I ever tested; it stands without 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, \$1.50; per 1,000, \$11.00.

## NEMAHA.

Originated in Nebraska a number of years ago, but has never been boomed as many 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; came 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.

## GREGG.

Along the Missouri bluffs this late black cap variety is considered one of the best market berries they have. I am well satisfied it 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.

## 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 make about all the fruit. It produces a heavy crop of good sized berries that you can get into 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, \$8.00.

## OTHER CHOICE VARIETIES OF RASPBERRIES.

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

## BLACKBERRIES.

Snyder Blackberry—We have tested about all the blackberries that have been offered to the public for the last 15 years, and have settled down on the Snyder only. For the western market we would say, if you can't grow Snyder Blackberry you will have to do without blackberries. Per doz. 50c, postpaid; by express, not prepaid, per 100, \$1.50.

## Livingston's Farm Seeds.

Our farm seeds are not excelled in any section, as we know of no better state in America more adapted to farming and where fewer obnoxious weeds have as yet gained a footing. The prices given are for the present only and the lowest. If anything seems better here in price, please drop us a word at any time, stating quantity you expect to use, and special price will be given by return mail.

Prices quoted "by express" can be sent by freight, if desired. In either case the charges are to be paid by the purchaser when the goods are received.

## 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 three feet apart, three to five pounds of seed to the acre. For fodder, sow  $\frac{1}{2}$  bushel to 1 bushel, either broadcast or in drills.

**White Kaffir Corn**—It grows from four to five feet high, making a sturdy upright growth. It has a stinky stem, 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, 10 lbs. 20c; by express, 10 lbs. 40c; 100 lbs. \$1.50.

**Red Kaffir Corn**—This grows taller than the White; the stalks are slenderer, but more juicy and very leafy. The heads are long, slender, compact and grow erect; they measure from one to two feet. The seed is red, smaller than that of the White, and rather hard and brittle. This variety is one of the best drought resistors 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, 10 lbs. 20c; by express, 10 lbs. 40c; 100 lbs. \$1.50.

## 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. It 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 five pounds to the acre, broadcast. Pkt. 5c; 1b. 25c, postpaid. By express or freight, 1b. 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 three to four pecks to the acre.

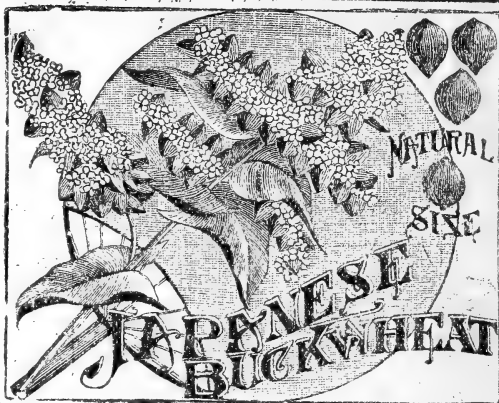
**Japanese**—This sort has proven much earlier and more productive than any other variety. Some have told us it yields fifty-five bushels to the acre where three or four pecks are sown. The grains are very large and of rich brown color. Postpaid, lb. 25c. By express, pk. 40c; bu. \$1.25.

**Silver Hull**—A very good and popular variety; the grain is of a light gray color, is rounder than the common variety, has a much thinner husk, matures earlier, and yields a half more to the acre. Postpaid, lb. 20c. By express, pk. 40c; bu. \$1.25.

**Common**—At market price.

## Mangel Wurzel, or Cow Beets.

They should be sown in drills two or three feet apart, and thinned out to twelve or fifteen inches in the rows. The long varieties are best suited to deep soil, and the globe varieties succeed better than the long sorts on sandy soil. They are excellent food for cows, to increase flow of milk, and keep stock in healthy condition during season when only dry food is used.



## BROOM CORN.

**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. By express, pk. 40c; bu. \$1.50.

**Dwarf Broom Corn**—Grows from three to four feet high, having straight, smooth brush. Is principally used in making whisks and brushes. Postpaid, lb. 25c; by express, pk. \$1.00; bu. \$3.50.

**Extra Early Japan**—Will mature in 75 days. The earliest of all varieties. Can be planted after wheat or oats and make a crop. Postpaid, lb. 25c; by express, pk. \$1.00; bu. \$3.50.

## SUGAR CANE.

The best thing for fodder ever tried. Sow late in season, about same time as Miller; 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; by express, 10 lbs. 40c; 50 lbs. \$1.25; 100 lbs. \$2.00.

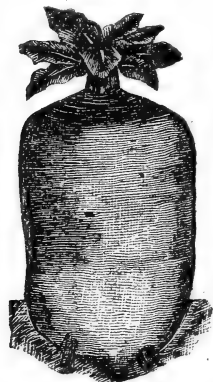
## FLAX SEED.

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

## 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 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.

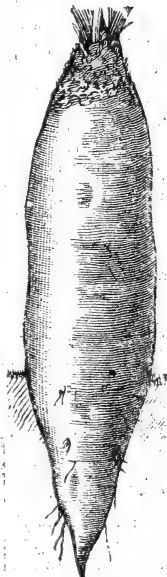
Write for special prices on Farm Seed, and state quantity.



**GOLDEN TANKARD.**

## Lane's Imperial Sugar

An Improved French variety. Is harder, more productive, and containing a greater percent of sugar than the ordinary variety. Used principally for feeding stock. Oz. 5c; 1/4 lb. 15c; lb. 50c.



**Giant Long Red.**

## YELLOW GLOBE.

It is thought by many to be better for feeding cows, as it is said to impart rich color to the milk. Oz. 5c; 1/4 lb. 15c; lb. 50c.

## GOLDEN TANKARD.

New and distinct variety; contains more sugar and less water than any kind in cultivation; deep yellow and very productive. Oz. 5c; 1/4 lb. 15c; lb. 50c.

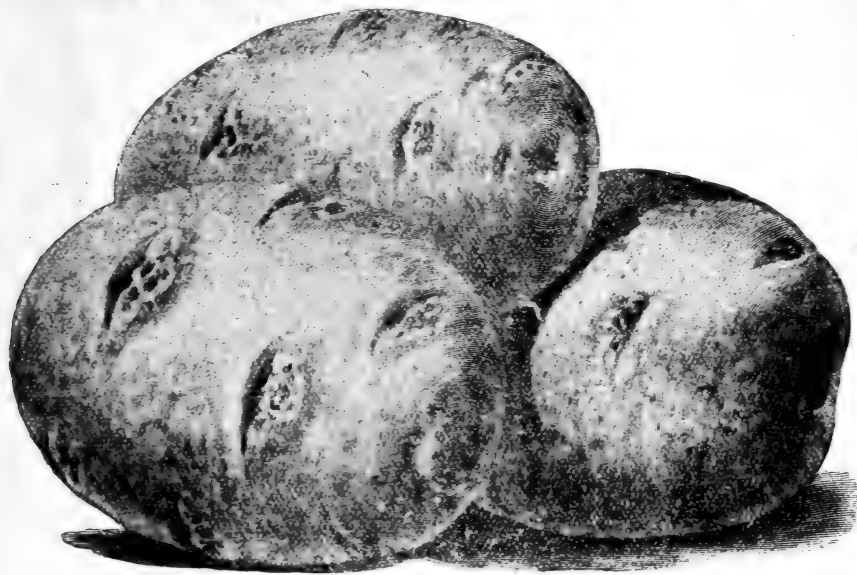
## GIANT LONG RED.

Sometimes called "Imp'd Mammoth," "Prize," "Colossal," etc.

Roots of a mammoth size, smooth and regular, one of the finest in cultivation. Our stock of this is equal to any. Oz. 5c; 1/4 lb. 15c; lb. 50c.

Five pounds of Mangel Wurzel or Sugar Beet for \$1.25.

## LIVINGSTON'S SEED POTATOES.

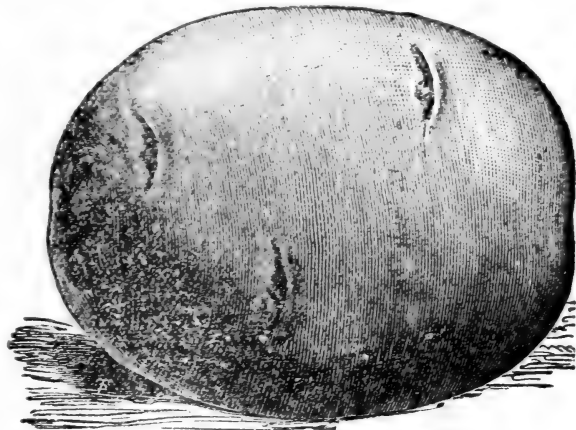


EXTRA EARLY OHIO.

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 send one pound, 30 cents; three pounds of any one kind, 75 cents.

**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. \$1.50; bbl. \$2.75.

**Extra Early Ohio**—Undoubtedly the earliest potato grown. Hundreds claim to be earlier and hundreds have failed to come up to the scratch when tested. You can always dig an Early Ohio just a few days sooner than any other variety, and these few days often mean a good many dollars to the market gardener who is lucky enough to have a good patch of genuine Early Ohio. They are good and dry for eating as 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. Poor stock can be procured almost any place. We have, as usual, procured our seed stock from the North. Pk. 30c; bu. \$1.00; bbl. \$2.75.



LIVINGSTON'S BANNER.

**Early Ohio** (Home grown seed)—Good stock, but not so smooth as the northern grown seed. Pk. 25c; bu. 75c; bbl. \$2.00.

**Early Beauty of Hebron**—One of the best early varieties; productive. Similar in shape and color to the Early Rose. Pk. 30c; bu. \$1.00.

**Carmen No. 1**—Has few and shallow eyes; oblong flat in shape. Flesh and skin white; good yielder and cooker. Few small ones. A fine looking sort, hence a good seller. Pk. 30c; bu. \$1.00.

[Other varieties of Potatoes next page.]

**POTATOES—Continued.**

**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. 30c; bu. \$1.00; bbl. \$2.50.

**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; has a good flavor. Very productive. Pk. 30c; bu. 75c.

**CHOICE SEED 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.

**Beds for Sweet Potatoes** are easily and cheaply made by piling and tramping fresh manure from the horse stable to the depth of about 18 inches. Set the frame, which is to support the sash, on top of this and bank up around it with more manure. Spread three inches of good soil on top of the bed inside and let stand until the excessive heat has passed off. This usually requires several days. Then lay tubers over the surface so as not to touch each other, at the rate of about 1/2 bushel to sash 3x5 feet. Cover with about two inches of sand or very loose soil. This covering should be loose, so that in pulling the plants you get all the little fibrous roots; otherwise, many of these will be lost, should the soil be too hard.

We deliver Sweet Potatoes to railroad in good shape, after which they are at purchaser's risk.

**Yellow Jersey**—Pk. 60c; bu. \$1.00; bbl. \$2.50.  
**Yellow Nansemond**—Pk. 60c; bu. \$1.00; bbl. \$2.50.

**GRASS SEEDS.**

**Kentucky Blue Grass**

—Is grown more than any other variety for lawns, and is one of the very best grasses for mixed pasturage. It is very nutritious and will stand any amount of tramping by stock and still "hold its own." 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. 35c. By express, pk. 60c; bu. \$2.00.

**Red Top**—A grass especially adapted to low wet soils. Also good mixed with Blue Grass and used for lawn purposes. Postpaid, lb. 25c. By express, pk. 50c; bu. \$1.75.



Kentucky Blue Grass

**Orchard Grass**—Can be used in mixed pasturage, as it comes very early, and 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 exceeded. Some seasons, however, it will run not quite so good, owing to the difference in the seasons. By express or freight. Best Seed, pk. 40c; bu. \$1.25.

**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; by express, 10 lbs. \$2.00.

**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. By express or freight, pk. 25c; bu. 75c.

**Common**—A shorter variety than the above, and preferred by some on account of smaller straw, but it does not crop so heavy. Lb. 15c. By express or freight, pk. 25c; bu. 75c.

**Hungarian**—Early; two or three feet in height; abundant foliage and slender head; withstands drouth and yields well on light soils. Sow one bushel to the acre. Lb. 15c. By express or freight, pk. 20c; bu. \$1.00.

**CLOVER SEED.**

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

**NEW CRIMSON CLOVER.**

This is a comparatively new clover in the West, but it comes so highly recommended from the East, where it has been grown for years, that we believe it to be worthy a liberal and thorough trial. It 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 at late as October or November. It is extremely 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 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. This is quite an important item to those who occupy small farms. It makes the very best clover hay; but should be cut before seed is formed, or when in full bloom. It is about two weeks earlier than the Red Clover. It is said to do well on almost any soil, but prefers a rather light, sandy loam. Lb. 25c, postpaid; by express, pk. \$1.25; bu. \$4.50.

**Medium or Common Red**—This is the Clover Seed of commerce. Nothing brings up land like plowing under clover. This is a fine clover growing section, and we are prepared to fill orders with choice, re-cleaned seed at the lowest price we have ever sold it. Sow ten lbs. to the acre. Postpaid, lb. 25c. By express, pk. \$1.25; bu. \$4.50.

**Mammoth**—Valuable when sown with other grasses for mixed hay, as it ripens about the time that Timothy, Orchard and other grasses, thereby making the hay a much better quality. Being a very rank grower, it is not good for hay when sown alone, but it is coming into very general use for plowing under as a fertilizer. Postpaid, lb. 25c; by express, pk. \$1.40; bu. \$5.00.

**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 ten lbs. to an acre. Postpaid, lb. 35c; by express, pk. \$3.75.

Prices cheerfully given at any time on Farm Seeds. Please write.

**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. In size it is intermediate between the Red and White Clovers, being productive, sweet and permanent; has fibrous roots like White Clover, but won't cause horse to slobber like White Clover does. 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. By express or freight, pk. \$1.00; bu. \$5.00.

**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 drought-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 drought, 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. They 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. We carry a very good grade of seed. It don't pay to buy cheap seed. Lb. 25c, postpaid; by express, pk. \$1.40; bu. \$5.00.

**SEED OATS.****LIVINGSTON'S BIG GERMAN.**

A fine large heavy berry, plump and vigorous. Stools out immense, so that two bushels used in seeding is equivalent to three of common kinds. The large heads of the Big German are borne on a heavy straw which stands up extremely well, even on rich land. It is an immense yielder, and our seed weighs 40 pounds to the bushel, stroke measure. Postpaid, lb. 20c; not prepaid, pk. 30c; bu. 55c; 5 bu. \$3.75; 10 bu. \$7.00.

**LINCOLN.**

A very productive variety, which stands up under a most every circumstance. It stools cut immensely. From one grain as high as twenty-

five to thirty 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. Our stock of this is from Minnesota. Postpaid, lb. 25c; not prepaid, pk. 35c; bu. 75c; 10 bu. \$6.50.

*Mr. J. D. Wilson, Henry county, Ill., writes, Sept. 6, 1896: "The Lincoln Oats are fine, green and heavy. I kept out 65 bushels pure for seed."*

**GIANT FRENCH HYBRID.**

They are medium early, and should be planted as soon as the ground can be put in shape, in order to get the best results. It has a long grain; a stiff straw, four to five feet tall; do not lodge easily; stool out freely and are good yielders. Planted in different sections of the country and the results reported are universally good. Postpaid, lb. 20c; not prepaid, pk. 35c; bu. 75c.

**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; by express or freight, pk. 40c; bu. \$1.00.

**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.

**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 in perfection. Per oz. pkt. 5c; pt. 25c, postpaid.

**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 sort to grow for market. Postpaid, per oz. pkt. 5c; pt. 20c; qt. 35c; not prepaid, 10 lbs. 50c; 25 lbs. \$1.00.

**King Phillip**—Of very large size, reddish yellow in color, an immense yielder. Pkt. 5c; oz. 10c. One packet each of above 4 Pop Corns for 15c.



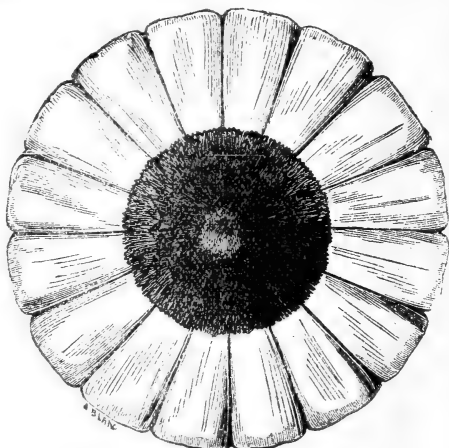
## Livingston's Selected Seed Corn.

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 varieties 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 only the fair way to do it. Prices include bags and free delivery to railway or express companies here, and purchaser pays charges when corn is received.

Seed Corn at 50 cents per bushel, coats 7 cents per acre to seed; at \$1.00 per bushel, 14 cents; at \$1.50, 17 1-2 cents; at \$1.75, 23 cents 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.

**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 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 and good for sore eyes. 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 talking pretty strong about Legal Tender Corn. Price postpaid, qt. 25c; by freight, pk. 40c, bu. \$1.25; bag (2 bu.) \$2.00.

**Champion White Pearl**—True merit has won laurels for this corn, 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, with small cob. The stalk is short and thick, with ears growing low upon it. Prepaid, qt. 25c; not prepaid, pk. 35c; bu. \$1.25; two bu. \$2.00.



CHAMPION WHITE PEARL 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; bu. \$1.15; 2 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. 30c; bu. \$1.00; 2 bu. \$1.75.

Prices cheerfully given at any time on Farm Seeds. Please write—state quantity.

**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. Prepaid, qt. 25c; not prepaid, pk. 40c; bu. \$1.00.

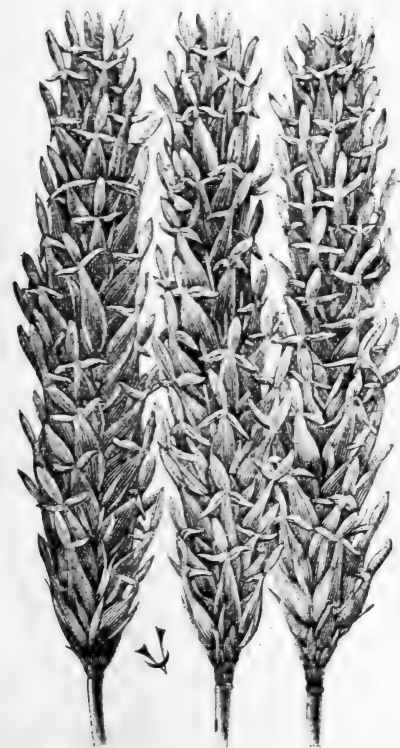
**Iowa Silver Mine**—Very much resembling the old Champion White Pearl, certainly no better. We can supply it from original stock. Postpaid, pkt. 10c; pt. 15c; qt. 25c; not prepaid, pk. 40c; bu. \$1.25; bag (2 bu.) \$2.25.

**Yellow Learning**—A pure glossy yellow, earing row on a strong, heavy stalk; ears have from 20 to 23 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 Learning corn, of which we have a good stock to offer. Prepaid, qt. 25c; not prepaid, pk. 40c; bu. \$1.15; 2 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.

## CHOICE SEED BARLEY.



**White Hulless and Beardless (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 Hulless Barley this objection is overcome. It is not only beardless but hullless, having a beautiful white grain, weighing 60 to 65

pounds to the measured bushel. The heads are about three inches long and are borne on top of a strong straw, capable of sustaining the weight of head perfectly. It is what is known as a six-rowed barley, very productive, and in feeding properties far exceeds the common kind, as there is no waste in this one. Postpaid, per large packet 10c; 1/2 lb. 20c; 1 lb. 35c; 3 lbs. 75c; pk. 60c; bu. \$1.50; 5 bu. for \$7.00; 10 bu. for \$12.50, bags included.

**Mansury**—A fine six-rowed barley, produced in long heads. It beats the list in productiveness. We have sold more of this variety up to the present season than any other one sort. Our stock came from Minnesota, and should be preferred to southern grown seed. Postpaid, per lb. 25c; 3 lbs. 60c. Not prepaid, pk. 30c; bu. 75c; 5 bu. for \$3.00; 10 bu. for \$5.00, bags included.

### HIGHLAND CHIEF.

A two-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; the size of the grain is immense. Postpaid, large pkt. 5c; 1 lb. 25c. Not prepaid, pk. 40c; bu. \$1.00; 2 bu. \$1.75; 5 bu. \$3.75, bags included.

## 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—Barrels, holding 235 pounds, net 4 1/2 cts. per lb.; 100 lbs. \$1.50; 50 lbs. \$2.50; 10 lbs. 60c; 5 lbs. 35c. By mail, postpaid, lb. 30c; 3 1/2 lbs. \$1.00.

Dusters for Slug Shot or other Powders—One-half gallon size, 20c.

*Mr. Sylvester Custer, Union County, Iowa, writes, April 17th, 1896: "The garden seeds received of you last spring gave good satisfaction. The Slug Shot for cabbage worms worked to a charm. We expect to raise more cabbages now than ever, since we have found a preventive for worms."*

### 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. 80c; 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. 10c; 1/4 lb. 25c; 1 lb. 75c; five pounds, not prepaid, \$2.50.

**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. 35c; not prepaid, lb. 15c; 8 lbs. \$1.00.

**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 out, 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, 25c; by mail, postpaid, 35c.

**FERTILIZERS.**

Express or freight to be paid by purchaser.



**Bowker's Food for Flowers.**

Perfectly odorless and clean. Full directions and the care of house 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.**

Analysis—Ammonia 3 to 4 per cent; bone phosphate 40 to 50 per cent; phosphoric acid 18 to 22 per cent. Good for all purposes, especially adapted for lawns and florists' use. Price per lb. 10c; 5 lbs. 50c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.50; bag (200 lbs.) \$4.00.

**POULTRY SUPPLIES.**

**PRATT'S POULTRY FOOD**



TRADE MARK REGISTERED

Hens lay regularly when fed on Pratt's Poultry Food. It costs less than one cent per day to feed fifteen or twenty 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, 26 oz. pkg. 25c; 5 lb. pkg. 60c; 12 lb. bag \$1.25.

**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 can not 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; 50 lbs. 75c; 100 lbs. \$1.00.

**CRUSHED OYSTER SHELLS.**

Prepared by improved machinery, and is 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. It contains all the component parts of the eggs. 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. We have two grades, fine and coarse; each same price. 10 lbs. 35c; 25 lbs. 50c; 100 lbs. \$1.50.

**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. 40c; 25 lbs. 75c; 100 lbs. \$2.25.

**Fine Bone Meal**—Ground fine for feeding small chickens. Price, 10 lbs. 40c; 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. We 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 per box, 15 oz., 25c; by mail, 40c.

**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. 1/2 gal. can 50c; 1 gal. can 75c.

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

**LITTLE GIANT BROADCAST SEED SOWER.**

We feel safe in saying that this is the best hand Broadcast Seed Sower in the market for the money. 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 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

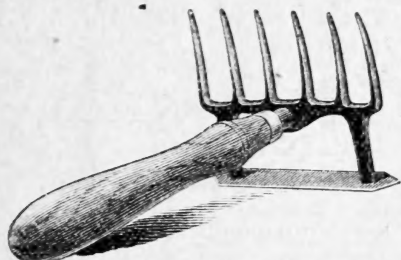




# LANG'S HAND WEEDER



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 39 cents; postpaid, 49 cents.



## EXCELSIOR WEEDING HOOK.

Indispensable to the cultivator of flower or vegetable garden. Price 15c each; postpaid, 20c.

## GARDEN TROWELS.

Very useful in loosening the soil or in transplanting of plants. Six inches in length, 20 cents; postpaid; 7 inches in length, 25c, postpaid.



New Handy Digger—This trowel is one solid piece of steel, shank and blade, and will not pull out of the handle. Small, each 25c; large, 50c.

## 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 the right shape to fit 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—Each \$1.00; postpaid, \$1.10.

Medium Size—Each 75c; postpaid, 85c.

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 more 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 the past two years and the satisfaction given has been universal. Directions for operating goes with each trap. Price \$1.00; can not be sent by mail.

## 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 fiber 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. The following are prices for boxes: 1,000 or over, per 1,000.....\$2.75  
5,000 or over, per 1,000.....2.50

Tacks—For putting the quart boxes together. Oz. 5c; lb. 40c.

Magnetic Hammers—Which will take up the small tacks very rapidly without the aid of the fingers, 20c each.

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) \$8.50.

## GRAPE BASKETS.

We buy car lots, and make price 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. They hold 8 pounds of grapes. 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. \$3.50 per 100; \$30.00 per 1,000.

## DIAMOND MARKET BASKET.

These are made of nice, straight grained elm splints, so cut as to be very smooth. We have them sent without handles on, so as to save freight when shipping. The handles are nested as well as the baskets, so they don't occupy much space. They hold about 20 pounds of grapes. Dozen, 40c; 100, \$3.00.

## 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.

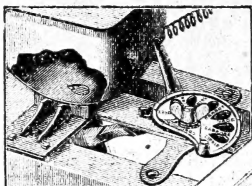
No.	Inches long.	Inches wide.	Per 1,000.
1	3 1/2	5/8	\$ .25
2	3 1/2	1 1/8	.30
3	3 1/2	1 1/4	.35
4	4	5/8	.35
5	4	1 1/8	.50
6	5	1 1/4	.75
7	5	1 1/2	.80
8	5	1 3/4	.85
9	5	1 7/8	.90
10	5	2	.95

## THE NEW MODEL SEED DRILL.

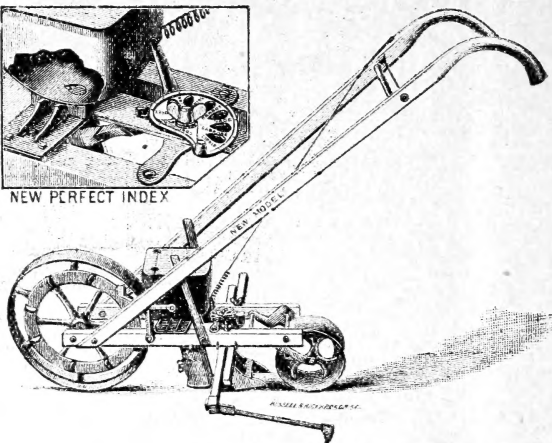
This drill contains all the good points of every old drill in the market. The slide or hole through the slide, where all the seeds have to pass, is adjustable, and the slide can be changed to a fraction by the operator, thus admitting exactly the quantity of seed required. The hole is diamond shape, 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.

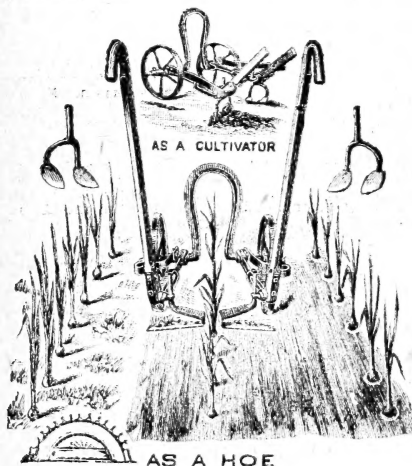
**Cut-off**—The flow of seed can be instantly stopped by swinging cut-off, conveniently operated by a cord and ring on handle. This cut-off prevents all loss of seed at end of rows, and its swinging or gravity form will be found far more preferable to one that slides under, as it can not injure the falling seeds. Factory price, \$9.00. Our price only \$6.50.



NEW PERFECT INDEX



NEW MODEL DRILL.



AS A HOE.  
MCGEE CULTIVATOR.

### McGee Garden Cultivator.

For hand cultivation no tool has ever been produced that equals 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.

#### Gardener's, 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 15. We will also send American Gardening free for three months.

## THE FAMILY MONEY MAKER

WORTH \$100 A YEAR AND MORE to all who own Land, a Garden, Orchard, or Conservatory; covers in plain language, by practical men, the care and cultivation of Fruits, Flowers, Plants, Trees, Shrubs, Bulbs, etc., and tells how to make Home Grounds attractive.

## AMERICAN GARDENING

AMERICA'S BRIGHTEST AND MOST RELIABLE FAMILY GARDENING PAPER.

Established fifty years. The only Standard weekly publication of its class and the Best. Its Question Box, with free answer to every query, is alone worth the subscription price several times over. Illustrated, Weekly. One Dollar a year. With Valuable Premium.

"I have been a reader of AMERICAN GARDENING for some time, I enjoy it and profit by it very much."—JOSIAH LIVINGSTON.

**FREE** TO INTRODUCE IT TO NEW READERS, we will give a subscription to AMERICAN GARDENING for three months (12 numbers) as a premium to every purchaser from us of GOODS, to the amount of \$1.00 or over.

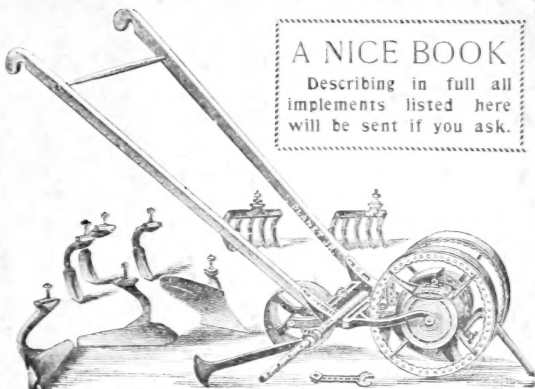
Subscriptions to be discontinued at expiration of that time unless you notify the publishers to the contrary. This offer is for New Names only. Address,

LIVINGSTON'S SEED STORE, Des Moines, Iowa.

# "PLANET JR." GARDEN TOOLS.

## "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.



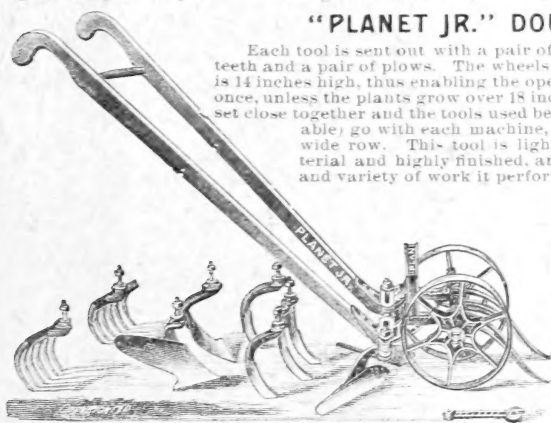
A NICE BOOK  
Describing in full all  
implements listed here  
will be sent if you ask.

## "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." 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 the 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 The 15-inch drive wheels, with 2-inch

reverse motion of the thumb at once sets it to drilling again. rim, makes it run easily and regular, in fresh plowed ground. this newest of seed drills. Price \$9.00.

## "PLANET JR." HORSE HOE AND CULTIVATOR COMBINED.

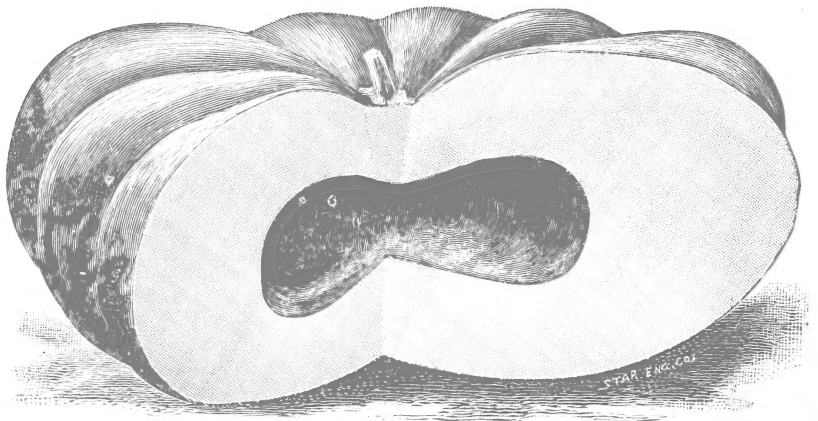
Has patent lever expander, handles adjustable sidewise and in height, high steel frame, parallel side bars and hollow steel standards. By means of the Lever Expander it may be quickly changed in width from wide to narrow, or one side remain contracted while the other is expanded. The side hoes to-day 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, \$7.25.

## "FIRE FLY" WHEEL GARDEN PLOW.

Makes the care of a vegetable garden a pleasure. Is invaluable during all the gardening season. Price \$2.00.



**LIVINGSTON'S THANKSGIVING PUMPKIN.**

For description see page 5.