

17th ANNUAL

CATALOGUE

IOWA SEED COMPANY



1887



ADDRESS : IOWA SEED COMPANY, DES MOINES, IOWA.

ORCUTT MILLER LITH CO. CHICAGO.

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❖ INTRODUCTION. ❖

OFFICE OF IOWA SEED COMPANY, DES MOINES, IOWA, January 1, 1887.

As another year dawns upon us, we come to our many customers and friends with this our annual greeting, wishing all a happy and prosperous year.

In looking over the results of our past year's labor, we find much that is pleasant to look back to. Our new firm took hold of the business so late in the season last spring, that we did not look forward to as large a trade as usual. But owing to our careful attention to the business, the results went far beyond our expectations, and not only was our trade larger comparatively, than that of the previous year, but notwithstanding the unfavorable season and unparalleled drouth, we received more recommendations, and fewer complaints than ever before. This proves conclusively that our seeds are growing in favor with the public, and that our efforts in behalf of our customers are appreciated.

The following letter just received from one of our customers of last spring, is a sample of many which we are receiving:

ALDEN, IOWA, January 1, 1887.

IOWA SEED COMPANY:—The remarkable satisfaction given by your seeds in our own home garden, and in the gardens of our friends with a few of whom we shared them, has prompted us to write you this early in the season, asking if we cannot in some way make arrangements, by which we can introduce your goods more widely the coming summer.

Yours for honest seeds,

FURRY BROS.

We realize fully that the confidence of our patrons must form the real basis of business prosperity. For sixteen years we have been building up our seed business here in Des Moines, and it has grown constantly from year to year. The original founder of the business is still with us.

On the morning of September 27th, the large three-story and basement building on Fourth street, which we have occupied for several years past as a seed store, (the largest one in the State) was destroyed by fire. All of our stock of garden, grass and field seeds, and most of the other goods were devoured by the flames. Before the fire had been fully subdued, we had rented other rooms and now we are permanently located in a large, commodious new building, arranged with all the conveniences for our trade, on the main business street of the city.

Fortunately the fire occurred at a time when comparatively but a very small portion of the new crop of seeds had been received from our growers. These are daily arriving now, and as our growers report fine crops of most varieties this year, we will soon have in a full stock in all lines of our business, and all will be new, (crop of 1886) and of the highest quality. In fact we are certain that the stock we offer you is one of the choicest and best selected that has ever been offered by any seed house. It is our design to offer nothing unworthy of a place in every garden, and our customers can be sure of being pleased and satisfied with anything purchased of us.

We have during the past summer and fall spent considerable time with the growers in personally inspecting the growing crops of the various kinds of seed which we have grown for us in widely separated portions of the country, and in selecting the purest and best for our use. We are pleased to say that in spite of the dry season our crops have matured splendidly, and while there is a shortage of some varieties, the quality is above the average.

The Importance of Good Seed—Cannot be overestimated, and we are certain that after a trial all our customers will agree that our seeds are the purest and best to be had. Still when it is considered how many are the contingencies on which the success of any crop depends, our customers will readily see that it would be sheer folly for any one to warrant them to produce a perfect crop, and we want is distinctly understood that *we sell no seeds with warranty either express or implied in any respect, and will not be in any way responsible for the crop.* But, however, we have so much faith in them that we hereby agree to refill any retail order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them.

(Continued on Third Page of Cover.)



NOVELTIES

AND

VARIETIES OF SPECIAL MERIT.

We present the following list of the newer varieties of vegetables to our customers this year, which have been carefully selected from the many which are offered by the seed trade, and we have used great care in selecting only such as we believed would be desirable acquisitions, and prove of great value to our customers.

They are not merely novelties, whose only value is in their rarity, but they possess qualities of decided merit, and are far superior in their respective classes, to the older and better known varieties, and will undoubtedly, when they become more generally known, supplant many of the now standard sorts.

We offer **\$100 in premiums** on the largest and best vegetables. See list and terms on another page.

Cleveland's Improved Red Valentine Bean—Is said to be ten days earlier than any other strain of this well-known variety. In addition to this most important feature, all of the excellent points which go to make this bean so popular for trucking purposes, are preserved in their greatest perfection in the improved stock now offered. It is however, more robust and vigorous, and produces the true, round, curved pods, more abundantly than does any other stock heretofore sold. Unexcelled in quality and in uniformity of ripening, nearly the whole crop can be taken at one picking. Per pkt. 10 cts.; qt. by mail, 55 cts.; pk. \$1.75; bu. \$6.50.

King of the Garden Lima Bean—An improvement on the old Lima Beans. It is a very vigorous grower, requiring but two vines to each pole. They set their pods early, at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Many of the pods measure from five to eight inches, and contain five, six and seven perfectly formed Beans to the pod, of superior edible quality. Per pkt. 10 cts.; qt. by mail 90 cts.; pk. \$4.

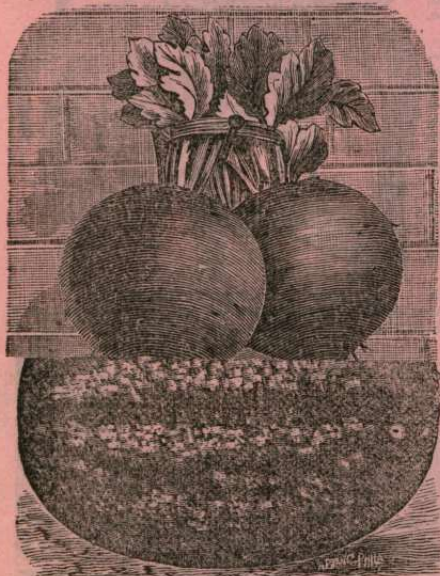
New Kraemer Celery—This new variety was originated by one of the principal celery growers in Des Moines. It is very early, grows rapidly and is consequently extremely crisp and tender. It is a shy seeder, and our stock is small this year, so that we can only offer it by the packet; each 15 cents.



CLEVELAND'S VALENTINE.

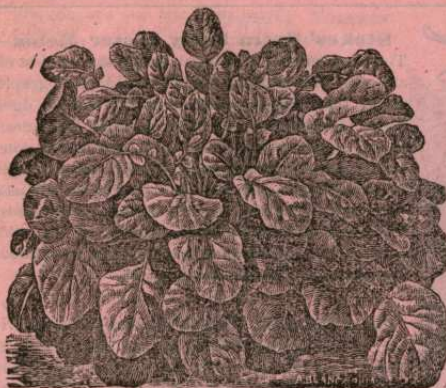
New Extra Early Eclipse Beet—This is without doubt the best variety of the early sorts, and as its excellencies become known, it is rapidly coming into favor. It is very early, maturing with the Egyptian. The bulbs are of a bright scarlet color, very smooth, globular in shape; quality is excellent and much better than the Egyptian. Highly esteemed by market gardeners. Since this variety was first introduced it has shown a decided mixture in color and shape. By constant selection we have weeded this out, until this season our crop was the finest crop of beets we have ever seen. Per pkt. 5 cts.; oz. 10 cts.; ¼ lb. 35 cts.; lb. \$1.25.

Kolb's Prolific Number One Cabbage—This all but 100 acres were in Kolb Gem, which cost the growers from \$2.50. We have undoubted authority for saying from 12 to 15 tons of itself should be abundant maturing earlier. The Kolb Gem melon grows of large size, opens up better, ships more prolific and sells for nearly as much as the Wakefield in its all the markets of the country than it is unsurpassed. They are suited for the North or South, the test of this near by or far away markets. In a word, it is proved to be very 'action, and fill the bill in every respect. Our seed the melon grower should get them at once. Our seed was grown for us this year, by the originator, R. F. Kolb, and you can depend on its quality. Per pkt. 5 cts.; oz. 15 cts.; ¼ lb. 50 cts.; lb. \$1.75.



KOLB GEM WATER MELON.

White Plume Celery—The stalk and portions of its inner leaves and heart are naturally white and becomes fit for use by simply tying it up closely with soft twine. It is solid and crisp, possessing a rich nutty flavor; while its peculiarly beautiful central leaves make it very ornamental as well as toothsome. In careful and extended tests it has also proved to be the earliest to mature of any. We wish to say, however, that this variety does not blanch during the hot weather, but as soon as the weather becomes cooler it shows its self-blanching character. The introduction of this new variety makes it possible for all to grow celery. Per pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. $\$1$; lb. $\$3.50$.



UPLAND CRESS.

Oak Leaved Lettuce—The distinguishing feature of this new variety of Lettuce, is in its oak shaped leaves the broader part set to stem and pointed at the tip, thus giving it a very unique, handsome and attractive appearance. It is of quick growth, **has no bitterness of taste**; is possessed of fine flavor and extreme tenderness, and it is slow in running to seed, in fact will remain in head for a month before its shoots appear. Per pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 80; lb. \$2.50.

New Golden Heart Lettuce—This new Lettuce produces heads of very large size, firm and solid. It grows quickly, is ready for use early, and continues to remain in excellent condition for weeks. It does not wilt under severe heat, and for summer use is superior to nearly all other varieties of cabbage lettuce. Outer color dark green, leaves delicately curled; within the heart is a beautiful, rich, golden yellow; quality excellent. Per pkt. 5 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.

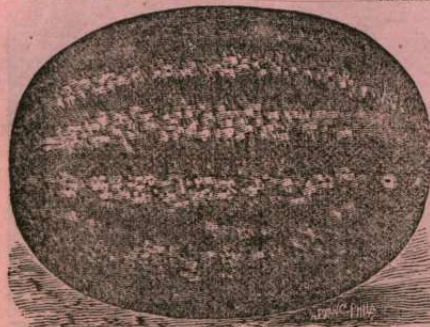
New Silver Ball Lettuce—This Lettuce produces a beautiful head, very firm, solid and compact, with handsomely curled leaves. The head is of an attractive silvery white color, very rich, buttery, and most delicious flavor. It comes early and stands a long while before running to seed. A most excellent variety, both for early spring and summer use. We recommend all our friends to try it. Per pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.



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In about five days

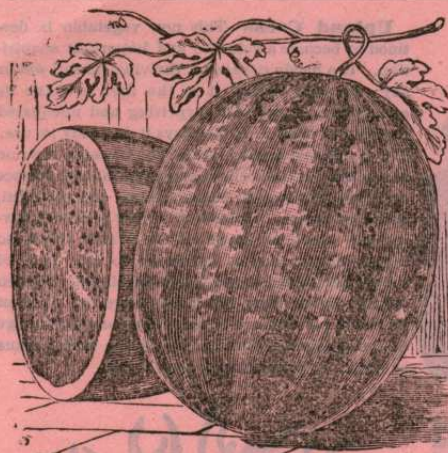


OAK LEAVED LETTUCE.



KOLB GEM WATER MELON.

Kolb Gem Water Melon—To illustrate the great superiority of this melon over others, and show the esteem in which it is held in its native home, we have only to relate that in 1884, in Brooks county, Ga., there were planted 2,500 acres in melons for market of which only 11 acres were of Kolb Gem. The next season out of the same number of acres planted (2,500), all but 100 acres were in Kolb Gem. The seed to plant which cost the growers from \$2.50 to \$4 per pound. We have undoubted authority for this statement, and this of itself should be abundant recommendation. The Kolb Gem melon grows of a more uniformly large size, opens up better, ships and keeps better, is more prolific and sells for nearly double the price in all the markets of the country than any other variety. They are suited for the North or South, East or West, near by or far away markets. In short they are perfection, and fill the bill in every particular, every melon grower should get them at once. Our seed was grown for us this year, by the originator, R. F. Kolb, and you can depend on its quality. Per pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.75.



STOKES' EXTRA EARLY WATER MELON.

banana from which it takes its name. Most people become very fond of them after once testing. Per pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Stokes' Extra Early Water Melon—This new melon is, without doubt, the earliest of all. Our illustration, made from a photograph, shows their shape, which is nearly round, dark green skin, slightly mottled with white. The flesh is deep scarlet, remarkably solid, and in delicious sugary flavor is unsurpassed. Their average weight is about fifteen pounds. The seed is very small, being only about half the size of other melon seeds. They are also much more productive than the larger sorts, and for family use are quite unequaled. Per pkt. 10 cts.; oz. 35 cts.; $\frac{1}{4}$ lb. \$1.

New Banana Musk Melon—An odd variety of Cantaloupe Melon, having been grown in New Jersey for about six years, in which time it has been so much improved that it merits attention. Curious in shape, growing 18 to 24 inches long, and weighs from 8 to 12 pounds; flesh deep salmon color; rind is thin and of light yellow color. The flavor which is rich resembles that of the

Ruby King Pepper—This new Pepper, has given most excellent satisfaction everywhere. The Peppers often attain a very large size. Ordinarily they grow $4\frac{1}{2}$ to 6 inches long by $3\frac{1}{2}$ to 4 inches thick. When ripe they are of a beautiful, bright, ruby-red color, and are always remarkably mild and pleasant to the taste—in this respect unequaled by any other variety. They can even be sliced and eaten with pepper and vinegar (like tomatoes or cucumbers), and make a very pleasant and appetizing salad. The plant is of sturdy, bushy habit, and each plant produces from 6 to 12 large, handsome fruits. Cash prize of \$5, for the largest ones grown this year. Per pkt. 10 cts.; oz. 40 cts.

New Cardinal Tomato—A large, grand Tomato, which has become very popular, and we recommend it as being a very choice sort. To briefly describe it; the fruit is smooth, of a deep cardinal color, with flesh of the same rich hue, without a green core, very thick and solid, ripens evenly, has no green spots or ends, is a good keeper, and hence is a good shipper, matures at the same time as the Trophy, a vigorous grower, and very productive. Cash prize of \$5, on these this year. Per pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$2.20.

THE WORDEN GRAPE.

(See Illustration on Cover.)

We desire to call particular attention to the Worden Grape, a seedling of the Concord. When we say that it is hardier and equally as healthy as its parent, it will be readily understood that it is a perfectly safe variety to plant. Add to this the fact that it is nearly two weeks earlier, larger in bunch and berry, handsomer, and of decidedly better quality, and it certainly makes this the Grape for the million. It is more shouldered and full in the average bunch than is shown by the cut on the first page of cover, and we feel confident no disappointments will result from its planting.

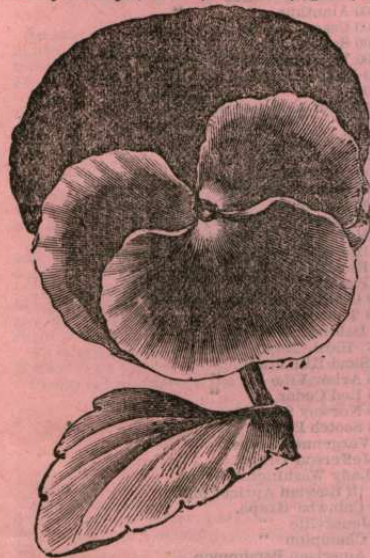
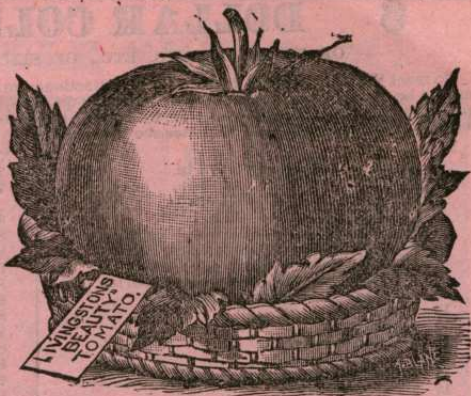
The following from a correspondent of the *New York Tribune*, shows the regard in which it is held by those who have grown it: "While so many new sorts of Grapes are being 'boomed,' there is a seedling of the Concord quietly winning its way to an upper place by its own distinctive and manifest merit. It is the 'Worden, which I was fortunate enough to obtain genuine about eight years ago, and amid a large collection it annually shows itself first best. The growth is so like that of the Concord that it may be easily mistaken for that variety, and no doubt thousands of Concord have been sent out labeled 'Worden.' The true Worden has larger fruit, of finer flavor and more than a week earlier."—W. G. W.

Price for large two year old vines, by express, 25 cents each; \$2 per doz.



Livingston's New Beauty Tomato

—This new variety is one of the best ever introduced. Its beauty, size, shape, perfection, color, flavor, durability and productiveness make it desirable to all classes of Tomato growers. The color is quite distinct from any sort we are acquainted with, being a very glossy crimson with a slight tinge of purple (lighter than the Acme). The color alone will bring it readily into favor in any market. Grows in clusters of four or five large fruits (on a strong vine), retaining its large size very late in the season. This is an essential point in its favor, as many other good sorts decrease in size at least one-half before the season is over. It ripens with the Acme or Perfection, which are as early as any good varieties. Ripens very evenly, is entirely free from ribbed and elongated fruit, being perfect in shape. It is free from rot, and for shipping and early market it cannot be excelled, on account of its solidity, toughness of skin, and especially on account of its color, as it can be picked quite green, and will look well and ripen up nicely, while all strictly red varieties have a yellowish shade until quite ripe. It is a perfect beauty. Per pkt. 10 cts.; oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50.

**GIANT TRIMARDEAU PANSIES.**

about three inches apart in soil consisting of one-third each sand, common garden loam and well rotted manure or leaf mold. Although the above mixture is specially adapted to Pansies still they will thrive in almost any soil, providing it is rich, moist, and not too heavy or wet.

Edelweiss—This is the famous and true "Edelweiss" of the Alps, found growing there in the most inaccessible spots among the rocks, and gathered by tourists, and others, at great risk of life. The flower is considered the proper present for a bride from her fiancé on her wedding morn. The flowers are of downy texture, pure white and star-shaped, and easily cultivated. Per pkt. 20 cts.

THE UNIVERSAL VERDICT OF OUR CUSTOMERS.

"We found your seeds to be first class in every way. You may count on us as regular customers from now on.

"I have been well pleased with seeds.

"All have been well pleased with your seeds here, and they are becoming quite popular.

"I had your seeds last year, which gave immense satisfaction.

"We have had seeds from you before and like them.

WM. H. BEAN, Macon, Illinois."

MRS. GEO. STORY, Chesterfield, Illinois."

"LUMAN C. SMITH, Portland, Michigan."

"C. J. GLEASON, Malone, New York."

R. C. HOOLE, Woltale, Iowa."

\$ DOLLAR COLLECTIONS \$

OF TREES, PLANTS, ETC., OF SIZES SUITABLE FOR MAILING.

To meet the very popular demand for \$1 collections, we have arranged the following. These collections cannot be divided or changed, but will be mailed on receipt of price. Price \$1 for each collection, postage paid by us. These prices are net; no discounts. Our selection of sorts, all labeled varieties suited to your locality. For description of varieties see general list.

No.

- 1 80 Russian Mulberry 2 to 4 in.
- 2 50 " " 4 to 6 in.
- 3 30 " " 6 to 12 in.
- 4 20 " " 12 to 18 in.
- 5 2000 French yellow Silk Worm Eggs.
- 6 2000 White Japanese Silk Worm Eggs.
- 7 10 Apple trees, 1 year old, 5 sorts.
- 8 Crab Apple Trees, 1 year old, 3 sorts.
- 9 4 Pear trees, 1 year old.
- 10 4 Cherry " " "
- 11 4 Plum " " "
- 12 2 LeConte Pear.
- 13 2 Keiffer's Hybrid.
- 14 10 Budded Peach, assorted.
- 15 2 Marianna Plum.
- 16 2 Purple Leaf Filbert.
- 17 5 Russian Apricot.
- 18 10 Apricot.
- 19 25 American Sweet Chestnut.
- 20 10 Spanish Chestnut.
- 21 10 English Walnut.
- 22 15 Black Walnut.
- 23 15 Butternut.
- 24 6 Pecan Nut.
- 26 12 Concord Grape vines.
- 27 5 Martha " " "
- 28 5 Elvira " " "
- 29 4 Worden " " "
- 30 2 Moore's Early Grape Vines.
- 31 4 Delaware " " "
- 32 2 Prentiss " " "
- 33 2 Golden Pockington Grape Vines.
- 34 4 Brighton Grape Vines.
- 35 4 Lady " " "
- 36 8 Choice Grapes, 4 sorts.
- 37 6 Roger's Grapes, assorted.
- 38 30 Turner's Raspberry plants.
- 39 24 Raspberry plants, 4 sorts.
- 40 25 Cuthbert Raspberry plants.
- 41 25 Gregg " " "
- 42 10 Gregg and 10 Cuthbert plants.
- 43 25 Reliance Raspberry plants.
- 44 25 Thwack " " "
- 45 15 Hopkins " " "
- 46 10 Souhegan " " "
- 47 10 Shafer's Colossal Raspberry plants.
- 48 10 Hansel " " "
- 49 6 Marlboro " " "
- 50 10 Golden Prolific " " "
- 51 15 McCracken Blackberry plants.
- 52 12 Stone's Hardy " " "
- 53 15 Snyder " " "
- 54 20 Kittatiny " " "
- 55 4 Early Cluster " " "
- 56 4 Wilson Jr. " " "
- 57 10 Early Harvest " " "
- 58 10 Houghton Gooseberry " " "
- 59 6 Downing " " "
- 60 12 Red Dutch Currants.
- 61 10 White Grape Currants.
- 62 6 White Dutch and 6 Cherry Currants.
- 63 10 La Versailles Currants.
- 64 5 Versailles and 5 White Grape Currants.
- 65 10 Lee's Prolific Black Currants.
- 66 2 Fay's " " "
- 67 10 Mammoth Dewberry.
- 68 10 Dwarf Juneberry.
- 69 4 Orange Quince.
- 70 1 Japanese Persimmon.
- 71 2 Fig trees, assorted.
- 72 25 Red-fruited Barberry.
- 73 25 Purple Leaf " " "
- 74 100 Jas. Vick's Strawberry plants.
- 75 100 Old Iron Clad " " "
- 76 100 Manchester " " "
- 77 75 Piper Seedling " " "

No.

- 78 75 Countess Strawberry plants.
- 79 20 Vick, 10 Piper and 20 Iron Clad Strawberry plants.
- 80 50 Wilson and 50 Crescent plants.
- 81 100 Strawberry, 4 good sorts.
- 82 25 Parry Strawberry plants.
- 83 50 Downing and 50 Bidwell.
- 84 50 Sharpless and 50 Downer.
- 85 150 Hardy Catalpa trees.
- 86 25 Wild Black Cherry trees.
- 87 10 Russian Olive " "
- 88 25 Linden " "
- 89 25 Tulip Poplar " "
- 90 200 Box Elder " "
- 91 200 White Ash " "
- 92 200 Elm " "
- 93 200 Yellow Cottonwood " "
- 94 100 Sycamore " "
- 95 100 Black Locust " "
- 96 25 Kentucky Coffee " "
- 97 100 Alanthus " "
- 98 200 Osage Orange " "
- 99 200 Soft Maple " "
- 100 100 Wis. Weeping Willow Cuttings.
- 101 10 Balm of Gilead trees.
- 102 100 " " cuttings.
- 103 10 Silver Leaf Poplar trees.
- 104 100 " " cuttings.
- 105 100 Carolina " " "
- 106 150 White Willow " "
- 107 150 Cottonwood " "
- 108 100 Diamond Willow " "
- 109 100 Rosemary " "
- 110 7500 Russian Mulberry Seed.
- 111 5 Hardy Roses, 5 sorts.
- 112 5 Hardy Flowering Shrubs, 5 sorts.
- 113 5 Hardy Climbers, 5 sorts.
- 115 4 Peonies.
- 116 10 Gladiola Bulbs.
- 117 10 Tuberoses.
- 119 5 Dahlias, assorted.
- 123 25 Hard Maple trees.
- 124 6 Sand Hill Plum " "
- 125 25 Arbor Vita " "
- 126 25 Red Cedar " "
- 127 25 Norway Spruce.
- 128 25 Scotch Pine.
- 129 2 Vergennes Grape.
- 130 2 Jefferson Grape.
- 131 2 Lady Washington Grape.
- 135 ½ lb Russian Apricot pits.
- 136 10 Catawba Grape.
- 137 6 Janesville " "
- 138 10 Champion " "
- 141 10 American Persimmon.
- 142 15 Choice plants for hanging baskets or vases, different sorts.
- 143 16 Choice Coleus; a variety.
- 144 30 choice transplanted mixed pansies.
- 145 20 splendid verbenas; 10 different varieties.
- 146 15 Geraniums, double, single, etc.
- 147 2 Begonias, (flowering) 2 Fuchsias, 3 Geraniums, 2 Heliotropes, 6 Pansies.
- 148 12 Pansies, 6 Verbenas and 4 Geraniums. A good bedding collection.
- 149 4 Tea Roses, 1 Abutilon and three Salvias; all different sorts.
- 150 12 Roses, good blooming varieties.
- 151 Our selection of 15 different house plants. This selection always gives satisfaction.
- 152 Our selection of fifteen splendid bedding plants, all different.
- 153 Our selection of 15 splendid foliage plants; consists of 8 Coleus, 3 Achyranthes, 2 Alternantheras, 1 Centaurea, 1 Cineraria.

VEGETABLE SEEDS.



From Good Seeds Only can Good Vegetables be Grown.

In this department we have taken great pains to select only such varieties as have proved themselves entirely worthy of culture, as we consider it our duty to exclude all untried novelties, and protect our customers from those pirates in the seed business who are extorting exorbitant prices for new varieties of no especial value, and for old varieties under new names.

Most of our own crops of seeds this year have been excellent, and owing to our great care in selecting the stock seed and in the cultivation, the quality is above the average. Those varieties which we do not grow ourselves we have obtained from the most responsible growers, and we have gone personally and inspected the crop while growing, in many instances.

All of our seeds are entirely new and fresh, have been carefully tested, and a trial of them will prove to all that they cannot be excelled in purity and high quality by any.

As much as practicable we have put the varieties in rotation, in the order of their earliness, and those varieties in **CAPITALS** are such as will be found best for general use. Those of our customers who are not acquainted with the varieties cannot go far wrong in selecting these.

We will prepay the Express or Mail Charges on all Vegetable Seeds at prices named, except Beans, Corn and Peas, in larger quantities than packets, which are sent by express or freight at the expense of the purchaser, unless 25 cents per quart is added to prepay postage.

Discounts—On all seeds, in packets amounting to \$1 or over, 20 per cent. On all orders for Vegetable Seeds (except packets) amounting to \$5 and not exceeding \$10, 10 per cent. On orders amounting to \$10 and not exceeding \$25, 15 per cent. Write for special discounts on larger orders than \$25, sending list of seeds wanted.

All who are willing to have their Vegetable Seeds sent by express or freight at their expense, may deduct fifteen cents for each pound of seeds, except Beans, Corn and Peas, which they order.

Please see our special list of novelties on the pink supplement to this Catalogue.

The figures at the right of the column show the price of seeds per packet, postpaid.

ARTICHOKE.

(German. Artischoke.)

Plant early in Spring, in drills, two inches deep. When strong transplant to permanent beds, in rich soil, in rows three feet apart and two feet in the row. They mature the second year. Must be protected in winter.

French Green Globe—Per oz. 25 cts. 5

Artichoke Roots—See miscellaneous list.

ASPARAGUS.

(Ger. Spargel.)

Soak the seed twenty-four hours in tepid water; sow early in Spring, in rows a foot apart; keep clean by frequent weeding and hoeing. At one or two years old transplant to permanent beds, in rows eighteen inches apart, and a foot apart in the rows. Cover four inches with light, rich soil. One or two years' time can be saved by buying the roots. (See miscellaneous list.)

Conover's Colossal—The best, per lb. 65 cts; ¼ lb. 20 cts; oz. 10 cts. 5

BEANS—Dwarf Bush Varieties.

(Ger. Bohne.)

Dwarf or Bush Beans require no support, and should be planted in drills, an inch and a half deep, and drop the beans three inches apart in the drills.

Beans are tender annuals and cannot be planted till danger of frost is past. Keep clean, but do not hill up or hoe when wet. A sandy loam is most desirable.

Twenty-five cents per quart must be added to pay postage when Beans are ordered by mail. The packets, which are large and well filled, we send prepaid.

CLEVELAND'S IMPROVED VALENTINE

See description with novelties.

Per bu. \$6.50; pk. \$1.75; qt. 30 cts. 10

Early Valentine—One of the very best. Per

bu. \$5; pk. \$1.50; qt. 25 cts. 10

Early China Red Eye—Great bearer. Per

bu. \$5; pk. \$1.50; qt. 25 cts. 10

Early Rachel—Per bu. \$5; pk. \$1.50; qt. 25

cts. 10

Early Yellow Six Weeks—Per bu. \$5;

pk. \$1.50; qt. 25 cts. 10

Early Mohawk—Good string bean, and very

hardy. Per bu. \$5; pk. \$1.50; qt. 25 cts. 10

Early Refugee, or Thousand to One—

Very prolific; pods thick and fleshy. Per bu.

\$5; pk. \$1.50; qt. 25 cts. 10

Large White Kidney or Royal

Dwarf—Per bu. \$5.50; pk. \$1.60; qt. 25 cts. 10

Large White Marrowfat—Per bu. \$5.50;

pk. \$1.60; qt. 25 cts. 10

DWARF HORTICULTURAL—This

has all the good qualities of the old Horticultural

pole bean, and is much easier to cultivate

because of being a dwarf variety. Per bu. \$5.50;

- pk. \$1.60; qt. 25 cts. 40
California Branch, or Prolific Tree—This is a new and quite valuable variety for field culture, grows about 20 inches high, has stiff, upright branches, and bears immensely. Is said to be the most prolific of any beans known, sometimes yielding over 45 bushels to the acre. The beans closely resemble the white Navy. Per bu. \$4.35; pk. \$1.40; qt. 25 cts. 10

The Wax Beans are all stringless and for the family garden are to be preferred to the above green potted varieties.

- White Wax**—Pods waxy yellow, very tender. Per bu. \$7; pk. \$2; qt. 35 cts. 10

- Black Wax**—Pods fleshly, waxy yellow; tender. Per bu. \$7; pk. \$2; qt. 35 cts. 10

- NEW GOLDEN WAX**—In our opinion this is the best variety grown. It is about ten days earlier than the Black Wax. Pods are a beautiful golden yellow. As a snap bean it excels all others in tenderness and richness of flavor, and has the further merit of being one of the best shell beans grown for winter use. Per bu. \$7; pk. \$2; qt. 35 cts. 10

- Jones' Ivory Pod-Wax**—Very productive, and in many respects one of the best Wax Beans yet introduced, and especially valuable for gardeners. A week earlier than Black Wax. Has very handsome long Ivory colored pods. Try it. Per bu. \$7; pk. \$2; qt. 35 cts. 10

BEANS—Pole, or Running Varieties.

(Ger. Stangen-Bohnen.)

These succeed best in clay loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart; from five to six seeds are planted in each hill, about two inches deep. After planting all beans, be sure and firm the ground either with feet or roller.

- KING OF THE GARDEN LIMA**—See description with novelties. Per pk. \$4; qt. 65 cts. 10

- Horticultural Pole**—Productive, fine for Snap Beans or shelled. Per bu. \$9; pk. \$2.40; qt. 40 cts. 10

- Giant Wax**—Pods waxy yellow. Per pk. \$3; qt. 50 cts. 10

- Large White Lima**—None equal the Limas as a shelled bean, but they are quite tender in this climate. Per bu. \$9; pk. \$2.50; qt. 40 cts. 10

- Dreer's Improved Lima**—Pods short, broad, straight and thick. When green they are nearly as large as the large Lima, sweeter, more tender and nutritious, remaining green in the pod a long time. Per bu. \$9; pk. \$2.50; qt. 40 cts. 10

- White Dutch Case Knife**—Matures in 60 days; long and flat. Per bu. \$7; pk. \$2; qt. 35 cts. 10

- Scarlet Runner**—A favorite Snap bean in Europe; valuable for table use or as an ornamental vine. Per qt. 50 cts. 10

BEETS.

(Ger. Runkel Rube.)

For early, sow as soon as the ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and a half inches deep. As the plants grow, thin to six inches in drills.



The young plants make excellent greens. The seed will germinate more freely if soaked in warm water for twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground; the soil should be a deep rich loam.

Egyptian Turnip—

This variety fully sustains its reputation as the finest and earliest beet grown; very deep red, tender and delicious. See cut. Per lb. 75 cts.; ¼ lb. 25 cts. oz. 10 cts. 5

NEW EXTRA EARLY ECLIPSE—

For description see novelty sheet. Per lb. \$1.25, ¼ lb. 35 cts.; oz. 10 cts. 5

BASTIAN'S EXTRA EARLY RED

—This is a Turnip shaped Beet of great value for gardeners. It follows the Egyptian very closely, and is considerably larger, bright red color. Per lb. 75 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

DEWING'S IMPROVED BLOOD

TURNIP—Fine form and flavor. Per lb. 65 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Extra Early Bassano—Turnip shape, flesh white, circled with rose color; tender and juicy, keeps well when sown late. Per lb. 60 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

EARLY BLOOD



TURNIP BEET

Early Blood Turnip—The standard early sort; good for winter. Per lb. 60 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Extra Long Dark Blood—Standard Winter; smooth, tender and sweet. Per lb. 60 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Market Gardeners—Crop an entire failure. Swiss Chard—For greens only. Per lb. 75 ¼ lb. 25 cts.; oz. 10 cts. 5

SUGAR BEETS AND MANGELS.

Extensively grown in all parts of the country for feeding stock. Sow in April or May, in drills three feet apart, and thin to ten inches in the row. Write for special terms on large quantities.

White French Sugar—Excellent cropper; very sweet. Per lb. 50 cts.; oz. 10 cts. 5

LANE'S IMPERIAL SUGAR—An improvement on the above; very sweet and productive. Per lb. 70 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Long Red Mangel—Standard sort, grows mostly above ground. Per lb. 50 cts.; oz. 10 cts. 5

MAMMOTH LONG RED OR NORBITON GIANT—Roots grow to an enormous size and of very good texture. Per lb. 60 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Carter's Orange Globe—The best of the Yellow Globe varieties. Per lb. 60 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Red Globe—Same as above, except color. Per lb. 60 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

NEW KINVER YELLOW GLOBE—London Times says: "This splendid variety possesses most distinctive features, in size shape and color. Unlike the ordinary Globe Mangel, it is of greater girth at the top or shoulder than at the middle of the bulb, whence it gradually tapers to a perfect tap-root. Its skin, which is as fine as that of an apple, is, as far as it penetrates the soil, of a bright orange tint. It is of superb quality and an enormous cropper, the great weight of eighty-four tons per acre having been grown of it, and single bulbs weighing forty-five pounds each." See special cash premiums on another page. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

GOLDEN TANKARD—A comparatively new variety of great value. One of the most nutritious in cultivation and highly prized for milch cows because of the rich color given the butter. Per lb. 75 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

BORECOLE, or Kale.

(Ger. Blatter-Kohl.)

The Kales are more hardy than Cabbage, and are improved by frost. They do not form heads; but the leaves are very tender, and preferred by some to Cabbage. Sow from middle of April to the beginning of May, cultivating same as Cabbage.

- Dwarf German Green**—Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5
Tall Curled Scotch—Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5

BROCCOLI.

(Ger. Broccoli.)

Growth and habit like the Cauliflower; except that it is more hardy and the heads are not as compact. Use and cultivation same as Cauliflower.

- Early Purple Cape**—A popular sort; heads well and is very hardy. Per oz. 40 cts. 5
Early Large White—Very valuable early sort; large size. Per oz. 40 cts. 5

BRUSSELS SPROUTS.

(Ger. Sprossen-Kohl.)

Of the Cabbage family, producing numerous small heads on the stem, as well as a Cabbage like head at the top. Use and cultivation same as Winter Cabbage. Per oz. 20 cts. 5

CABBAGE.

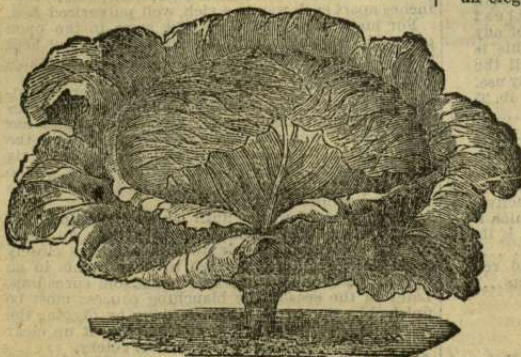
(Ger. Kopfkohl.)

The Cabbage requires a deep rich soil and thorough working, to insure good, solid, full sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops, in May or June in shallow drills, six inches apart. When the plants are four inches high, transplant into *richly manured* ground; the early kinds two feet apart, the fall and winter varieties three feet apart. To prevent the splitting or bursting of Cabbages, the *American Garden* recommends to go frequently over the ground and start every Cabbage that appears to be about to mature, by pushing them over sideways. Heads thus started are said to grow to double the size they had attained when about to burst. We have used great care this year in selecting our stock of Cabbage and can heartily recommend it to all.

Very Early Etampes—A new *extremely* early Cabbage from France. It has medium sized pointed heads, that are always hard and solid, and of remarkable fine quality. It will pay all market gardeners to try this. Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts. 5

LANDRETH'S EARLIEST—A *very* early Cabbage with well-formed cone-shaped head. Excellent. Per lb. \$3; ¼ lb. 80 cts.; oz. 25 cts. 5

Extra Early York—A well-known and old favorite variety. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5



PREMIUM FLAT DUTCH.

EARLY JESSEY WAKEFIELD—The favorite variety with market gardeners; early and sure to head. The very best early Cabbage grown for the family garden. Our stock is extra choice American grown. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 25 cts. 5

LOW'S PEEPLESS EARLY—See description on novelty sheet. Per lb. \$4; ¼ lb. \$1.25; oz. 40 cts. 10

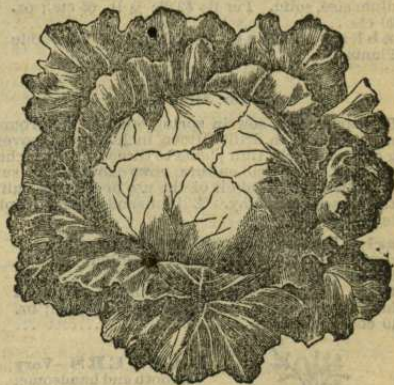
Early Wyman—Allied to the Jersey Wakefield, much larger, but not quite so early; fine quality; highly valued by market gardeners. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 25 cts. 5

HENDERSON'S EARLY SUMMER

—A superior variety of recent introduction. Ten days later than Wakefield and much larger. First-class; try it. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 25 cts. 5

Winningsstadt—Cone-shaped; one of the best summer sorts; if sown late, good for fall and even winter; a sure header and good keeper. Per lb. \$1.40; ¼ lb. 45 cts.; oz. 15 cts. 5

Fottler's Improved Brunswick—Superior second early sort; heads large and solid; makes a good winter sort sown late. Per lb. \$2.75; ¼ lb. 80 cts.; oz. 25 cts. 5



CHASE'S EXCELSIOR.

CHASE'S EXCELSIOR—Medium early, following the Henderson's Summer in close succession. It is not equaled by any medium early Cabbage we are acquainted with for *sure*, solid heading, which is the highest recommendation for a Cabbage which must mature in the trying heat of summer. Another remarkable feature is that it *never cracks*. Planted the first of July, it is an elegant winter variety. We recommend all to try it. Our seed is pure and true. See cash premium on another page. Per lb. \$4; ¼ lb. \$1.25; oz. 35 cts. 5

PREMIUM FLAT DUTCH—

This old and well-known variety is, without doubt, the finest Winter Cabbage in cultivation; the heads are large and solid, of a bluish green color, slightly flattened on the top; is of fine and well-flavored quality; first-class keeper; *sure header*. The stock we offer cannot be excelled. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5

LARGE LATE AMERICAN DRUMHEAD—Similar to last. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5

Stone Mason Drumhead—Very reliable, compact heading fall and winter variety. Per lb. \$2.25; ¼ lb. 65 cts.; oz. 20 cts. 5

Marblehead Mammoth—Largest of all. Per lb. \$3; ¼ lb. 85 cts.; oz. 25 cts. 5

**PERFECTION DRUMHEAD**

SAVOY—Heads large and very finely curled. Finest Savoy in cultivation. The Savoy should be more generally grown. They are greatly superior in flavor to the other varieties. Per lb. \$2; $\frac{1}{4}$ lb. 65 cts.; oz. 20 cts. 5

Fine Red Pickling—Deep red color; medium size, solid. Per lb. \$2.25; $\frac{1}{4}$ lb. 65 cts.; oz. 20 cts. 5

Cabbage Plants—See list of Vegetable Plants.

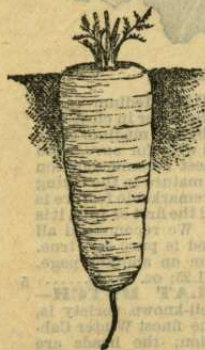
CARROT.

(Ger. Mohre.)

For early crops sow in spring soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches in the row. For field culture, rows should be of sufficient distance to admit of the use of a horse cultivator; sow seed in May. A light sandy loam, deeply tilled is best.

Early French Forcing—The earliest variety; valuable for forcing; excellent quality. Per lb. \$1.25; $\frac{1}{4}$ lb. 35 cts.; oz. 10 cts. 5

Early Horn—Favorite sort, much esteemed for summer use. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5



DANVERS—Very smooth and handsome; rich dark color, and from its length is easier to dig than the Long Orange. It is in form about midway between the Long Orange and Short Horn class, growing generally with a stump root. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. This is our choice of all the Carrots for family use. Per lb. \$1.25; $\frac{1}{4}$ lb. 35 cts.; oz. 10 cts. 5

IMPROVED LONG ORANGE—The standard sort for field culture, and very desirable for table use; roots large and of good quality. Per lb. 90 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. 5

Large White Belgian—Very productive; grown almost exclusively for stock, for which it is highly recommended. Per lb. 75 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. 5

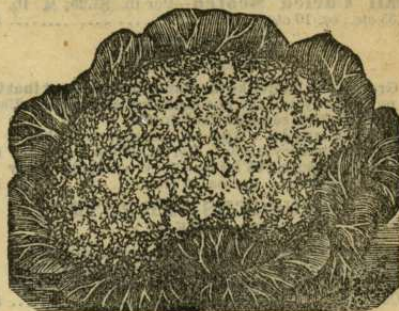
Altringham—A large and fine-flavored red sort. Per lb. 75 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. 5

CAULIFLOWER.

(Ger. Blumen-kohl.)

This is acknowledged by all to be one of the most delicious of vegetables. Any soil that will grow

Cabbage will grow Cauliflower, as their requirements are very similar; but as the product is more valuable, extra manuring and preparation of the soil will be well repaid. Culture same as Cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As the flower heads appear the large leaves should be broken down over them to shield them from the sun and rain. Our stock of seed is the best imported. Don't fail to try it. These are the best varieties;



Henderson's Early Snowball—Not only is this the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable for market gardeners. Our stock of this variety is, we think, unexcelled in quality. Per oz. \$5; $\frac{1}{4}$ oz. \$1.35. 25

Early Favorite—Much like the above, only smaller. Per oz. \$3.50; $\frac{1}{4}$ oz. \$1. 20

Extra Early Erfurt—Valuable for forcing. First quality. Per oz. \$4.50; $\frac{1}{4}$ oz. \$1.25. 25

Early Paris—Well known. Per oz. 75 cts. 10

Early London—Standard English sort. Per oz. 75 cts. 10

Lenormands—Best for late use. Per oz. \$1. 10

Cauliflower Plants—See list Vegetable Plants.

CELERY.

(Ger. Seleri.)

We are glad to see that this delicious salad is coming more into use. No one who has once used it will do without it, and as it usually is so expensive in the market, the following simple directions are given, by which every one who has a garden can supply themselves with it:

For first crop sow the seeds early in hot beds, or in boxes in the house, or later in open ground, in rich moist soil, covering the seed very lightly. When plants are about three inches high, transplant to four inches apart each way in a rich, well pulverized bed.

For main crop seed should be sown in the open ground as soon as it is fit to work in April and kept carefully free from weeds until the time of transplanting in June or early July.

The tops are shorn off once or twice before planting, so as to insure "stocky" plants, which suffer less on being transplanted. After the ground has been nicely prepared, lines are struck out on the level surface, three feet apart, and the plants set six inches apart in rows. If the weather is dry, at the time of planting great care should be taken that the roots are properly "firmed."

Keep clear of weeds until about the middle of August, when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position and prevent them from spreading. Later in the season the blanching process must be finished by the spade, which is done by digging the soil from between the rows and banking it up clear to the tops on each side of the row of celery.

KRAEUTER—See description on novelty sheet; in packets only, each. 15

GOLDEN DWARF—A new variety of decided merit. When blanched the heart is of a rich, golden color, excellent quality; good keeper. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 20 cts.

Saundersham Dwarf White—Very popular, excellent quality. Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts.

HENDERSON'S HALF DWARF—



The favorite market variety; close habit, solid, crisp and tender. (See cut.) Per lb. \$2.50; ¼ lb. 75 cts.; oz. 20 cts.

Large White Solid—Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts.

Boston Market—Very tender and crisp. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts.

WHITE PLUME—See description on novelty sheet. Per lb. \$3.50; ¼ lb. \$1; oz. 35 cts.

DWARF CRIMSON—Considered by some superior to the white sorts. This is by far the best of all the red varieties. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 20 cts.

Turnip-Rooted, or Celeriac—Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts.

Old Celery Seed—For flavoring. Per lb. 50 cts.; oz. 5 cts.

Celery Plants—See list of Vegetable Plants.

CHERVIL.

(Ger. Gartenkerbel.)

Curled—Leaves used in soups and salads. Cultivated like Parsley. Per oz. 20 cts.

CHICORY.

(Ger. Clchorie.)

Large Rooted—Used as a substitute for coffee. Take up the roots in the Fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. Per lb. \$1.25; ½ lb. 35 cts.; oz. 10 cts.

COLLARDS.

(Ger. Blatter-Kohl.)

Georgia—Sow seed in May; transplant and treat as Cabbage. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 20 cts.

CORN SALAD or FETTICUS.

(Ger. Lammersalat.)

A delicious winter salad. Sow early in September in drills quarter of an inch deep and six inches apart. Just before cold weather cover with straw or leaves. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts.

CORN—Garden Varieties.

(Ger. Welschkorn.)

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; five to six grains to the hill, and when up thin them out, allowing four of the strongest plants to remain. Give thorough cultivation. For a succession plant every two weeks until mid-summer.

Twenty-five cents per quart must be added to pay postage when corn is ordered by mail.

Extra Early Adams—Although not sweet, this variety is much esteemed by gardeners, as it produces ears suitable for eating before any of the kinds of sweet corn. Per bu. \$4; pk. \$1.40; qt. 25 cts.

EXTRA EARLY CORY—See description on novelty sheet. Per bu. \$7.50; pk. \$2.25; qt. 40 cts.

EARLY MARBLE HEAD—This variety has with us proved to be on an average nearly a week earlier than the Early Minnesota. Per bu. \$4; pk. \$1.25; qt. 25 cts.

EARLY DES MOINES—We consider this undoubtedly the best early corn in cultivation. It has good sized, well proportioned ears

of delicious flavor. The crop of this variety is so short this year that we cannot offer it by the bushel. Per pk. \$2; qt. 35 cts.

EARLY MINNESOTA—The standard early corn; ears fair size and uniform and very sweet. Per bu. \$3.50; pk. \$1; qt. 20 cts.

Farquhar's First Crop—This variety which has by some been called *White Cobbed Cory*, is evidently a cross between the Extra Early Adams and the Marblehead. It is well liked by many gardeners; as it makes an early fair sized ear, but when dry shows the mixture plainly. Per bu. \$4.75; pk. \$1.40; qt. 25 cts.

Crosby's Early—Per bu. \$3.50; pk. \$1; qt. 20 cts.

Moore's Concord—Per bu. \$3.50; pk. \$1; qt. 20 cts.



AMBER CREAM—A delicious new variety which is sure to grow in favor. Per bu. \$4.50; pk. \$1.35; qt. 25 cts.

Hickox—The favorite variety for canning; used quite largely by canning companies throughout the country. Per bu. \$4; pk. \$1.25; qt. 20 cts.

Black Mexican—A black-grained variety; one of the sweetest of all kinds. Per bu. \$4.25; pk. \$1.30; qt. 25 cts.

EGYPTIAN SWEET—Very prolific and by all who have tried it believed to be the best late sweet corn in cultivation. Per bu. \$3.75; pk. \$1.20; qt. 20 cts.



STOWELL'S EVERGREEN—The standard variety throughout the United States. Per bu. \$3.40; pk. \$1; qt. 20 cts.

Mammoth Sweet—Per bu. \$3.50; pk. \$1; qt. 20 cts.

Sweet Corn for Fodder—We can furnish either early or late. Per bu. \$2.50; pk. 75 cts.; qt. 15 cts.

POP-CORN.

It pays to raise Pop-corn as a general crop. It is a sure crop, and the demand always exceeds the supply.

PAGE'S NEW STRIPED RICE—The best of all for family use. See description in novelty sheet. Per qt. 75 cts.; ½ pt. 25 cts.

Fine White Rice—A standard variety which always brings the best price in the market. Per pk. \$2; qt. 30 cts.

Fine Red Rice—Per pk. \$2.50; qt. 35 cts.

Smooth White—Per pk. \$2; qt. 30 cts.

FIELD CORN.

See list of varieties under heading of Miscellaneous Farm Seeds.

CRESS, or Peppergrass.

(Ger. Kresse.)

Extra Curled—A well-known salad. Sow thickly and at intervals during the season; cover seed slightly. Per lb. 75 cts.; ¼ lb. 25 cts.; oz. 10 cts.

True Water—One of the most delicious of small salads. Will only grow where its roots are covered with water. Sow the seed along the borders of running water and cover lightly. Per oz. 25 cts.

Upland Cress—The new vegetable. See description on novelty sheet. In packets only, each.

CUCUMBERS.

(Ger. Gurke.)

Cucumbers succeed best in a rich, loamy soil. For first early sow in hot beds, upon pieces of sod or in small flower pots six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop, plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past, thin to four strong plants in a hill. For pickling plant in June. Sprinkle vines with plaster or air-slacked lime to protect from bugs.

Early Russian—Very early and productive; quite hardy. Per lb. \$1.25; $\frac{1}{4}$ lb. 35 cts.; oz. 10 cts. 5



EARLY WHITE SPINE, OR BOSTON MARKET—This is of a bright green color, and for either slicing or pickling has no superior; very prolific. We have grown thousands of lbs. of seed of this variety here for shipment to Germany. Per

lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5
Early Cluster—Grows in clusters and extremely productive. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

Early Frame, or Short Green—One of the best; well known. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

GREEN PROLIFIC—One of the best pickling sorts. Its characteristics are its very uniform growth, seldom yielding fruit too large for pickling, and its immense productiveness. Per lb. \$1.25; $\frac{1}{4}$ lb. 35 cts.; oz. 10 cts. 5



BOSTON, OR JERSEY PICKLE—Is used almost exclusively by the market gardeners near Boston for pickling, and it makes as good short pickles as any on the list. (See cut.) Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

IMPROVED LONG GREEN—Old standard sort; crisp, tender, good flavor. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5



London Long Green—One foot in length; flesh greenish white. Per lb. \$1.25; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

Gherkin, or Burr—For pickling only. Per lb. \$2.25; $\frac{1}{4}$ lb. 75 cts.; oz. 20 cts. 5

DANDELION.

(Ger. Pardeblum.)

Those who only know the Dandelion as the persistent weed of our roadsides and lawns, know no more of its real value than one who has only seen the poisonous wild parsnip or carrot knows of the value of these vegetables. The improved variety makes one of the earliest and best greens in cultivation. It is used also for blanching for salad. The roots when dried and roasted are often employed as a substitute for coffee. The seed should be sown in May or June, in drills half an inch deep and twelve inches apart and the earth firmly pressed over the seed. The plants will be ready for use the following spring.

American Improved—Per $\frac{1}{4}$ lb. \$1.50; oz. 50 cts. 10

Thick-leaved French—Seven hundred bushels of this sort have been grown on three-fourths of an acre. Per $\frac{1}{4}$ lb. \$1.25; oz. 40 cts. 10

EGG PLANT.

(Ger. Eierpfansee.)

A tender plant which should be started quite early

in a hot bed or box in the house, which must be kept warm. Late in spring transplant to open ground, two and a half feet apart each way in warm rich soil.

Early Long Purple—Hardy and productive, six to eight inches long. Per $\frac{1}{4}$ lb. 30 cts.; oz. 25 cts. 5

IMPROVED NEW YORK—Extra large and choice, fine flavor. Per $\frac{1}{4}$ lb. \$1.50; oz. 50 cts. 10

Black Pekin—The fruit of this handsome variety is jet black, round in form and very solid. Per $\frac{1}{4}$ lb. \$1.50; oz. 50 cts. 10

ENDIVE.

(Ger. Endivien.)

Extra Curled—Sow early and thin, cover slightly. Soon as large enough, thin to nine inches apart. When leaves are eight inches long, tie them together near the top with string to blanch, this must be done when quite dry. Before cold weather, take up for winter, being careful to leave a small amount of dirt around the roots. Store in dry cellar with plenty of fresh air. Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 20 cts. 5

GARLIC.

(Ger. Knoblauch.)

A specie of onions propagated by off-sets; used for flavoring soups, stews and other dishes. Divide a bulb in small parts and plant them in early spring, in rows one foot apart, and from one to five inches between the plants in the rows. The crop matures in August, when it is harvested like the onion.

Garlic Sets—Per lb. 50 cts.

GOURDS.

The following four varieties will be found quite servicable, in any household. No one would think, without having tried them, of the many uses they can be put to.

Dipper Gourd—Makes a more light and convenient dipper than can be bought. Per oz. 20 cts. 5

Dish Cloth Gourd, or Sponge Cucumber—The seed of this variety is enveloped in a sponge like cloth, which is excellent for the purpose described. Per oz. 35 cts. 10

Sugar Trough—Very convenient for buckets, baskets, nest boxes, etc. Sometimes grow so large as to hold ten gallons each. Per oz. 20 cts. 5

Nest Egg—Very closely resembles an egg. Per oz. 25 cts. 5

For Ornamental Gourds, see Flower Seeds.

GROUND CHERRY, or Strawberry Tomato.

This little vegetable has become naturalized in this country from Europe, and has become wild in some parts of the country here. The fruit has a pleasant strawberry-like flavor and is much esteemed, and by some considered indispensable for pies, sauce, etc., both green and dry. When dried they resemble raisins somewhat. In packets only, each 10 cts.

HERBS.

See list at end of Vegetable list.

HORSE RADISH SETS.

See miscellaneous list.

KALE OR BORECOLE.

(Ger. Blatter-Kohl.)

This most excellent vegetable deserves to be more generally cultivated, being harder than Cabbage and furnishing most excellent greens during winter and early spring. It is also a splendid winter food for poultry. Is quite hardy and is improved by frost. Cultivate same as Cabbage. For winter sow in September and treat as Spinach, giving it a light covering of straw or litter to protect from severe cold.

Dwarf German Green—Best for winter greens. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

Tall Curled Scotch—Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

KOHL RABI.

(Ger. Kohlrabi.)



An excellent vegetable intermediate between the Cabbage and Turnip. Sow in rows in May or June, eighteen inches apart, thinning to eight inches between the plants. Cook as turnips. (See cut.)

Early White Vienna—Flesh white and tender, best market sort. Per lb. \$2; ¼ lb. 65

cts.; oz. 20 cts. 5
Early Purple Vienna—per lb. \$2; ¼ lb. 65
cts.; oz. 20 cts. 5

LEEK.

(Ger. Lauch.)

This is a branch of the onion family and is preferred by some to the onion. Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it.

London Flag—Very hardy. Per lb. \$1.50; ¼ lb. 50 cts.; oz. 15 cts. 5

LARGE ROUEN—A favorite variety with market gardeners. Largest and most uniform of all. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 20 cts. 5

LETTUCE.

(Ger. Lattich.)

Probably no vegetable is more universally used than Lettuce, and to be fully appreciated must be brought to the table fresh and unwilld. As it requires but little room and is of the easiest culture, there are few families that cannot have it direct from the bed.

The quality of Lettuce depends largely upon a rapid and vigorous growth. Sow in hot beds in March, and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season.

The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand ten to twelve inches apart in the rows.

Early Curled Silesia—Large loose heads, excellent flavor. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

EARLY CURLED SIMPSON—An improved variety of the preceding. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

TENNIS BALL, or Boston Market—One of the earliest heading varieties being very compact and solid, very best for hot bed culture. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

Early Prize Head, Improved Head or Imperial Head—Heads well; tender, slow running to seed; first-class for summer. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5



HUBBARD'S MARKET.

HUBBARD'S MARKET—This variety of Lettuce is one of the best forcing Lettuces

ever introduced. Its merits are: Good size, compact heads, fine flavor, hardness, and long keeping quality after being cut. Our market gardeners often pack in boxes for shipment and frequently remaining a week after cutting, is found to be in good salable condition. Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts. 5

ALL THE YEAR ROUND—A hard, crisp eating, and compact growing variety, with small, close heads of a dark green color; an excellent summer Lettuce, valuable for forcing, and as its name indicates, it is good for all seasons. Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts. 5

Black Seeded Simpson—Resists the heat very well. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

SALAMANDER (New)—Excellent variety for summer use, as it withstands the heat and drouth admirably and is very slow in running to seed. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5

GREEN FRINGED—It is of a very delicate and peculiar shade of green, the inner parts of the leaves white, with the edges beautifully cut and fringed. Its ornamental character makes it very desirable for table decoration. Quality unsurpassed. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5



HANSON'S—Extra large and solid. This is the favorite variety with the Des Moines market gardeners. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

Ice Drumhead—Heads very large, crisp and tender. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

OAK LEAVED—See description on novelty sheet. Per lb. \$2.50; ¼ lb. 80 cts.; oz. 25 cts. 10

DEACON—See description on novelty sheet. Per lb. \$2.50; ¼ lb. 85 cts.; oz. 25 cts. 10

NEW GOLDEN HEART—See description on novelty sheet. Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts. 5

NEW SILVER BALL—See description on novelty sheet. Per lb. \$2; ¼ lb. 65 cts.; oz. 20 cts. 5

Paris White Cos—Tender, brittle, mild flavor, very superior quality. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5

MARTYNIA—(For Pickles.)

Plant in May, in hills four feet apart. The seed pods which are used quite largely for pickling should be gathered when they are green and tender. Per ¼ lb. 75 cts.; oz. 25 cts.; packet 10 cts.

MELON—Musk.

(Ger. Melone.)

The soil best adapted to the culture of Melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten to twelve seeds in each hill. When they begin to vine, thin out, leaving only four of the most thrifty. As Melons are very sensitive to cold, they should not be planted till the settled warm weather sets in, in this latitude about the middle of May. Cultivation should commence as soon as the plants appear above the ground and be kept up once a week until the vines interfere too much.

Jenny Lind—A small, very early Melon of most delicious flavor; nearly round, flattened at the ends; distinctly ribbed and finely netted, green fleshed. (See cut.) Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5



GOLDEN NETTED GEM—A very early, rather small round Melon, with thick light green flesh of luscious

flavor. Very productive, of a handsome appearance and very uniform in size; keeps well after picking. Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5

Orange Christiana—One of the earliest and most delicious of all varieties. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

Skillman's Fine Netted—Flesh green, sugary and excellent quality. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

Green Citron—Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

GREEN NUTMEG—Fruit oval, good size, rich, exquisite flavor; a general favorite. Per lb. 90 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

BAY VIEW—This new variety which is so rapidly growing in favor is of large size, deliciously rich, sweet and luscious. Our crop of this did magnificently this year, and our seed cannot be excelled. (See cut.) Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5



Casaba—One of the largest and best Musk Melons in cultivation. Flesh green, very sweet, melting and delicious. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

IMPROVED CANTELOPE—Large size, flesh light green, most delicious flavor, superior for market or private gardens. Per lb. 90 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

Surprise—Thin, cream-colored skin, thickly netted; flesh deep salmon color, very thick and highly flavored; surprisingly productive. (See cut.) Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5



Turk's Cap, or Hackensack—Large size, deeply ribbed and netted; flesh green, thick and of delicious flavor. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

MONTREAL MARKET—Uniformly of large size, averaging from fifteen to twenty pounds in weight. Flesh very thick and of fine flavor. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

BANANA—See description on novelty sheet. Per lb. \$2; ¼ lb. 75 cts.; oz. 25 cts. 10

MELON—Water.

(Ger. Wasser-Melone.)

Plant in hills eight feet apart, and cultivate same as Musk Melon.

STOKES'S EXTRA EARLY—See description on novelty sheet. Per ¼ lb. \$1; oz. 35 cts. 10

VICK'S EARLY—A new variety of medium size; flesh bright pink, solid and sweet; said to be the earliest variety in cultivation. Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5

Phinney's Early—Flesh deep red, superior quality, early and productive, valuable market variety. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

PARADESS, or Ice Cream (White Seeded)—Of unquestionable quality, medium size, thin rind, flesh bright scarlet. Per lb. 90 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

TRUE DARK ICING, or Ice Rind—There are two distinct types of this Melon, of which the one we offer and consider the best, is known as the Dark Icing. It is a very solid sort with a thin rind, and possesses a most delicious flavor. Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5

LANDRETH'S BOSS—A new large, long Melon, which is unexcelled in quality and very showy in appearance. You will be pleased with it. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

TRUE GEORGIA RATTLESNAKE, or Gipsy—Fruit large, oblong, striped; flesh red, of fine quality. An excellent variety for market. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

HASKELL'S EXCELSIOR—The very best market sort; flesh bright red, very superior quality, large size, frequently weighing over forty pounds. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

Mountain Sprout—Per lb. 90 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

Mountain Sweet—Per lb. 90 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

Cuban Queen—This is certainly one of the largest Melons in cultivation.



The skin is beautifully striped light and dark green; flesh is dark red, very solid, crisp and sugary. They always command an extra price in the market because of their great size and handsome appearance. They resemble the Excelsior, but are very much larger although not equal in quality.

Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5

Black Spanish—Large size, almost round, skin dark green, flesh red. Per lb. 90 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

KOLB'S GEM—See description on novelty sheet. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5

SCALY BARK—Although this variety was introduced quite recently, it has quickly become a standard sort. The rind is very thin, yet so tough and strong that the Melons will bear any amount of handling without bursting or cracking open. The flesh is light crimson in color, very tender, and of excellent flavor. The average weight of the Scaly Bark Water Melon is thirty-five pounds. Per lb. \$1; ¼ lb. 30 cts.; oz. 10 cts. 5



PRIDE OF GEORGIA—Is a dark green mottled color, nearly oval, ridged like an orange, grows partly upon its end; is firm, will ship well, and when well cultivated in good soil, attains a large size, and is very sweet and crisp. Per lb. \$1.25; ¼ lb. 40 cts.; oz. 15 cts. 5

MAHMOOTH IRON CLAD—The claims of this new variety are said, by the introducer, to be, *first*, uniformly larger in size than any other variety known, the whole crop averaging fifty pounds each, while hundreds of specimens weighed from sixty to seventy pounds each; *second*, its great attractiveness, the shape being the most perfect that could be desired, being oblong and carrying its full size well towards the ends; *third*, quality equal if not superior to any other sort, never failing to cut solid, with a dainty red color; rich, sugary flavor, and a melting deliciousness that is sure to captivate; *fourth*, firmness, making the longest keepers and best shippers in the whole list. See special cash premium on another page. Per lb. \$1.50; ¼ lb. 50 cts.; oz. 15 cts. 5

Colorado Preserving—The preserving qualities of this distinct variety are of the very best, making almost transparent preserves of fine flavor. Melons weigh from fifteen to forty pounds each. Per lb. \$1.75; ¼ lb. 50 cts.; oz. 15 cts. 5

Citron—For preserves. Per lb. \$1.25; ¼ lb. 35 cts.; oz. 10 cts. 5

MUSTARD.

(Ger. Senf.)

A pungent salad, used sometimes with Cress, also elegant for greens. Sow thickly in rows and cut when about two inches high.

White English or London—Per lb. 50 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

Brown or Black—Per lb. 50 cts.; ¼ lb. 20 cts.; oz. 10 cts. 5

NASTURTIUM—Or Indian Cress.

(Ger. Indianish Kresse.)

The seeds while young and succulent, are pickled and used as capers. The plants are also highly ornamental; the tall variety makes an excellent screen or covering for unsightly places in the garden. Sow in drills one inch deep after the ground has become warm.

TALL—Per lb. \$1.50; ¼ lb. 50 cts.; oz. 15 cts. 5

DWARF—Per lb. \$2; ¼ lb. 75 cts.; oz. 20 cts. 5

OKRA—Or Gumbo.

(Ger. Essbarer.)

Its long pods when young are used in soups, stews, etc., and are believed to be very nutritious. Sow at the usual time of all tender vegetables, in drills two inches deep, setting the plants from two to three feet apart.

New Improved Dwarf—Very productive—

Per lb. \$1.00; ¼ lb. 30 cts.; oz. 10 cts. 5

ONION.

(Ger. Zwiebel.)

This is with perhaps the one exception of cabbage, the most important crop grown both in market and family garden, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than in onions, and in no seed is there such a fluctuation in price. During the past five years it has ranged all the way from fifty cents to five dollars per pound retail. This year owing to short crops the seed is higher in price than it has been for the past two or three years, and knowing that much second grade and old seed would be thrown on the market, we have spent considerable time and money in going personally to Rhode Island and Connecticut, where our seed was being grown, and carefully examining the crops in the field and we know that our stock cannot be excelled. Every seed of it is new, crop of 1886, and is good and plump. We want you to try it and have therefore put the price down to as low a rate as good reliable seed can be sold at.

As early as the ground can be worked in the spring, sow the seed in drills fourteen inches apart, covering one-half inch. They should be in rich sandy soil, which is as free from weeds as possible. Commence hoeing soon as rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed thoroughly and carefully by hand; thin plants to three inches in the row. When the tops die, pull and spread evenly over the ground; stir or turn until fully dried, then cut the tops one-half inch from the bulb.

See description of tools for the cultivation of onions on another page.

EXTRA EARLY BLOODSALE

PEARL—Earliest of all. Pearly white translucent, growing almost with the rapidity of a radish. Form flat, flavor very mild. Wonderfully fine. Try it. Per lb. \$6; ¼ lb. \$1.75; oz. 50 cts. 10

Extra Early Red—Very early; matures about two weeks before the Wethersfield. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 25 cts. 5

White Portugal or Silver Skin. Matures early; very mild flavor, medium sized and generally preferred for table use; not a good keeper. Per lb. \$4.00; ¼ lb. \$1.25; oz. 40 cts. 5

EARLY YELLOW CRACKER. An improvement on the Large Yellow Dutch, standing in about the same relation to that as the Extra Early Red does to the Wethersfield. Per lb. \$3.00; ¼ lb. 85 cts.; oz. 25 cts. 5

LARGE RED WETHERSFIELD. The Standard sort, best for main crop; good keeper. Per lb. \$2.00; ¼ lb. 65 cts.; oz. 20 cts. 5

YELLOW GLOBE DANVERS—Although not quite so large as the above, we consider it a better onion in every way for general use. Per lb. \$2.25; ¼ lb. 65 cts.; oz. 20 cts. 5

LARGE WHITE GLOBE—The handsomest market variety we have ever seen. Large size, oval form, very even, mild and pleasant flavor, good keeper, out-sells every other variety. Per lb. \$4.00; ¼ lb. \$1.20; oz. 35 cts. 5

Southport Red Globe—Differs from above only in color. Per lb. \$2.25; ¼ lb. 65 cts.; oz. 20 cts. 5



Yellow Dutch—Per lb.,

\$2.25; ¼ lb. 65 cts.; oz. 20 cts. 5

NAMMOTH SILVER

KING—See description on

novelty sheet and special cash

premium on another page.

Per lb. \$5.00; ¼ lb. \$1.50; oz.

50 cts. 10

ITALIAN ONIONS.

These varieties grow to an enormous size and are more mild flavored than any of the above varieties. We recommend all to try at least a few for their own home use, or for early market. They do not keep well in this climate, and therefore, it will not pay to put in a large crop of them.

NEW QUEEN—A very nice extra early silver-skinned Tripoli Onion, the best keeper of the foreign sorts. Very mild flavored, and excellent for pickling. Per lb. \$3.25; ¼ lb. 90 cts.; oz. 25 cts. 5

GIANT RUCCA—Very large, frequently weighing three and one-half pounds. Globular form; mild delicate flavor. Per lb. \$2.75; ¼ lb. 75 cts.; oz. 20 cts. 5

Marzago—Large silvery onions. Per lb. \$3.25; ¼ lb. 90 cts.; oz. 25 cts. 5

Large Red Tripoli—Very large and mild flavored. Per lb. \$3.00; ¼ lb. 80 cts.; oz. 25 cts. 5

ONION SETS.

The sets should be planted as early in spring as the ground is dry enough to work; plant them in rows one foot apart, with sets three or four inches apart. When raised from sets the onions can be used in the green state very early, or they will be ripened off by July. Sets are produced by sowing the seeds very thickly in beds or drills; and whenever the tops die down, the small bulbs, or sets are gathered and kept spread thinly in a cold, dry cellar or loft, until the following spring. The Potato and Top onions are grown only from bulbs. Add twenty-five cents per qt. for postage.

White Onion Sets—Very scarce. Per pk. \$2.50; qt. 40 cts.

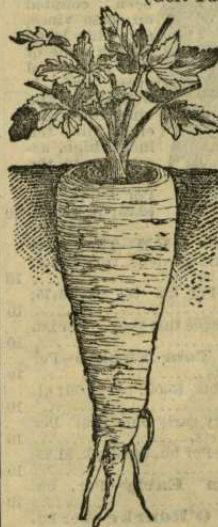
Yellow Onion Sets—Per pk. \$1.50; qt. 25 cts.

Potato Onions—Per pk. \$1.75; qt. 30 cts.

Top Or Button Onions—Per pk. \$1.50; qt. 25 cts.

PARSNIPS.

(Ger. Pastinake.)



Sow early in spring in good rich soil, which has been ploughed deep, in drills fifteen inches apart, covering half an inch. Thin to five or six inches apart in rows. They are improved by the frost.

LONG SUGAR**OR HOLLOW****CROWN**—Best

for either table use

or stock feeding,

very tender sugary

excellent flavored,

large sized, white

and smooth. Per

lb. 65 cts.; ¼ lb. 25

cts.; oz. 10 cts. 5

Sutton's Stu-**dent**—Fine-fla-

vored. Per lb. 75

cts.; ¼ lb. 25 cts.;

oz. 10 cts. 5

IMPROVED**GUERNSEY**—

A greatly improved

and wonderfully fine

strain of the Guern-

sey Hollow Crown

Parsnip. The roots

do not grow so long

as the Hollow Crown

but are of greater diameter and more easily

gathered. It is a very heavy cropper. The roots are very smooth, the flesh is fine-grained and of most excellent quality. Per lb. \$1.00; ¼ lb. 30 cts.; oz. 10 cts. 5

PARSLEY.

(Ger. Petersilie.)

Sow in March, thinly in drills, one foot apart, half an inch deep. Soak seed a few hours in warm water before sowing. For winter use protect in a glass frame or light cellar.

FERN-LEAVED—One of the very best in cultivation; leaves bright green, beautifully curled and crested like fern or moss; nothing better for garnishing could be desired, as well as ornamental for a garden decorative plant. Per lb. \$2.50; ¼ lb. 75 cts.; oz. 20 cts. 5

Champion Moss Curled—A very select stock beautifully crimped and curled. Per lb. \$1; ¼ lb. 30; oz. 10. 5

Plain Leaved—The hardest and strongest growing variety. Leaves dark green. The best flavored for seasoning. Per lb. 75 cts.; ¼ lb. 25 cts.; oz. 10 cts. 5

PEAS.

(Ger. Erbsen.)

Peas mature quickest in light, dry soil, not too rich. May be sown as early as the ground can be worked. And for a succession every two weeks up to July. Sow in drills two to four feet apart, according to varieties, one inch apart in the drills, not less than four inches deep. Wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot. Twenty-five cents per quart must be added to pay postage, when peas are ordered by mail.

EARLY VARIETIES.

* **BLISS' AMERICAN WONDER**—

The earliest and most prolific dwarf wrinkled Pea, unsurpassed for early sowing. On good soil each vine will average twelve pods and each pod six peas. Fifteen pods have been counted on some vines, and nine large peas in some of the pods, and every pod is well filled. The vine grows from eight to ten inches high, according to the soil and season. Per bu. \$8; pk. \$2.25; qt. 30 cts. 10



* **McLEAN'S LITTLE GEM**—The most popular variety for private gardens, very sweet. Per bu. \$6; pk. \$1.75; qt. 25 cts. 10

* **PREMIUM GEM**—Per bu. \$6; pk. \$1.75; qt. 25 cts. 10

Tom Thumb—Very scarce this year. Per bu. \$7; pk. \$2; qt. 30 cts. 10

Blue Peter, or Blue Tom Thumb—Per bu. \$7.50; pk. \$2; qt. 30 cts. 10

Laxton's Alpha—Per bu. \$5.00; pk. \$1.50; qt. 25 cts. 10

Kentish Invicta—Very early blue pea. Per bu. \$6; pk. \$1.75; qt. 30 cts. 10

Carter's First Crop—Per bu. \$4.50; pk. \$1.25; qt. 20. 10

Philadelphia Extra Early—Per bu. \$4.50; pk. \$1.25; qt. 20 cts. 10

Early Kent or Dan. O'Rourke—Per bu. \$4.00; pk. \$1.15; qt. 20 cts. 10

LANDRETH'S EXTRA EARLY—Per bu. \$6; pk. \$1.75; qt. 25 cts. 10

CLEVELAND'S ALASKA—Earliest of all. Try it. See description on Novelty Sheet. Per bu. \$6; ¼ bu. \$2; qt. 40 cts. 10

RURAL NEW YORKER—In our trial grounds, before the introduction of the Alaska, this proved to be the earliest of all, and the most even in growth and maturity; eighty to ninety per cent of the pods can be removed at one picking; very productive and of good quality. Our stock is

from the introducer. Per bu. \$6.00; ¼ bu. \$1.75; qt. 30 cts. 10

EXTRA EARLY CHALLENGE—A favorite with the Des Moines market gardeners. Very prolific and of the most luscious flavor; Per bu. \$6.50; ¼ bu. \$1.75; qt. 30 cts. 10

FOR GENERAL CROP.

DWARF WHITE MARROW—Similar in quality to the tall variety, but much earlier and does well without bushing. Good yielder, much prized by gardeners. Per bu. \$4.50; pk. \$1.25; qt. 20 cts. 10

* **CHAMPION OF ENGLAND**—Universally admitted by all to be one of the richest and best flavored peas grown. It is very popular and will bring a higher price in the market than any other. Per bu. \$6; per pk. \$1.75; qt. 25 cts. 10

White Marrowfat—Per bu. \$2.50; pk. 90 cts.; qt. 15 cts. 10

Black-Eyed Marrowfat—Per bu. \$2.50; pk. 90 cts.; qt. 15 cts. 10

Dwarf Blue Imperial—Per bu. \$5; pk. \$1.50; qt. 25 cts. 10

* **McLean's Advancer**—Per bu. \$5; pk. \$1.50; qt. 25 cts. 10

YORKSHIRE HERO—Per bu. \$5; pk. \$1.50; qt. 25 cts. 10

Dwarf Sugar—Edible pods, use like snap beans. Per bu. \$8; pk. \$2.50; qt. 40 cts. 10

White Field—Per bu. \$2.25; pk. 75 cts.; qt. 15 cts. 10

Blue Field—Per bu. \$2.50; pk. 75 cts.; qt. 15 cts. 10

PEPPER.

(Ger. Pfeffer.)

Sow seed in hot bed early in spring; transplant to open ground when the weather is favorable, in warm mellow soil, in rows eighteen inches apart. Seeds germinate slowly and require considerable heat.

RUBY KING—See description on Novelty Sheet and special cash premium on another page. Per ¼ lb. \$1.50; oz. 50 cts. 10

Large Bell or Bull Nose—Early standard sort. Per lb. \$3; ¼ lb. 85 cts.; oz. 25 cts. 5

SWEET MOUNTAIN or MAMMOTH—Similar to above, but milder. Per lb. \$3; ¼ lb. 85 cts.; oz. 25 cts. 5

Red Cayenne—Per lb. \$3.75; ¼ lb. \$1; oz. 50 cts. 5

NEW GOLDEN DAWN MANGO—A handsome new Mango Pepper, which is attracting much attention. Very sweet and entirely exempt from the fiery flavor peculiar to all other varieties. Per lb. \$4.00; ¼ lb. \$1.25; oz. 35 cts. 5



POTATO.

See list of choice varieties on another page.

PUMPKIN.

(Ger. Kürbis.)

Principally used for agricultural purposes but there has been a great improvement in the varieties during the past few years, by the introduction and hybridization of foreign varieties with our old sorts.

Plant in hills eight feet apart in May among potatoes, corn, or in open field. Do not plant near squashes or melons.

KING OF MAMMOTHS—See description in Novelty Sheet and special cash premium on another page. Per $\frac{1}{4}$ lb. \$1.35; oz. 35 cts. ... 10

Connecticut Field—This is the common field or cow pumpkin, grown principally for stock. Immense crops can be grown by planting the seed among corn. In this way as many as five tons have been grown on one acre, without any detriment to the corn. Per lb. 50 cts.; $\frac{1}{4}$ lb. 20 cts. oz. 5 cts. ... 5

Curshaw Crook-Neck—For table use. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. ... 5

Large Cheese—Per lb. 75 cts.; $\frac{1}{4}$ lb. 25; oz. 10 cts. ... 5

Sweet, or Small Sugar—Round, not large, but very sweet and an excellent table variety. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. ... 5

NEGRO—A small variety of peculiar shape and color. Very fine grain, extra fine for cooking. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

BRAZILIAN SUGAR—Sometimes called a squash but is a true pumpkin of a light yellow color externally and internally, weighing three to four pounds each; claimed by some to exceed in delicacy of flavor, fineness of texture and dryness any member of the squash family. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

MAMMOTH CHILI—See description of this under head of squashes. We give it a place here because it, in our opinion, more nearly resembles a pumpkin than a squash. It is the largest of all and used largely for exhibition purposes. See special cash premium on another page. Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 25 cts. ... 10

RADISH.

(Ger. Rettig.)

Radish seed should be sown in light rich soil as early as the ground can be worked, and for a succession at intervals of two weeks until mid-summer. Radishes must be grown quickly, and have plenty of room or they will invariably be tough and pithy. Sow in drills one foot apart and thin to one to three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France "the natural home of radishes" and we think it cannot be surpassed.

EARLY SCARLET TURNIP



WHITETIP—Bright scarlet, tipped with white, very showy. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. ... 5

Early Scarlet Turnip—First early, round; white flesh. Per lb. 75 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

WHITE TURNIP—Per lb. 75 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

SCARLET OLIVE SHAPED—Very early and tender; prized by gardeners. Per lb. 75 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

FRENCH BREAKFAST—A very hand-



some table variety of medium size; quick growth and fine quality. It is oval shaped, scarlet tipped with white; very crisp and tender; a favorite variety wherever grown for early use. Per lb. 75 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

WOOD'S EARLY FRAME—A favorite with our market gardeners as it is about ten days earlier than the Long Scarlet which it very much resembles, although not quite so long. Per lb. 85 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

EARLY LONG SCARLET SHORT TOP—The most popular variety with gardeners, and for family use. Per lb. 65 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

BECKERT'S IMPROVED CHARTER—See description on Novelty Sheet. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

WHITE STRASBURG SUMMER OR HOSPITAL—See description on Novelty Sheet. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

Large White Summer—Oval shaped, white skin and white solid flesh. A favorite with gardeners. Per lb. \$1.25; $\frac{1}{4}$ lb. 35 cts.; oz. 10 cts. ... 5

GIANT WHITE STUTTGART—This is a very rapid grower; flesh and skin are both snowy white; very crisp, mild and of good flavor; suitable for pulling at any size; very desirable. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

CHINESE ROSE WINTER—Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. ... 5

Black Spanish Winter—Per lb. 75 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

Mammoth White Winter—Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

RHUBARB, or Pie Plant.

(Ger. Rhabarber.)

Succeeds best in deep, rich soil. Sow in spring in drills; cover one inch. Thin plants to six inches apart. Transplant in autumn or spring to permanent beds, three feet apart each way.

Victoria, or Mammoth—Per lb. \$2; $\frac{1}{4}$ lb. 65 cts.; oz. 20 cts. ... 5

Rhubarb Roots—See miscellaneous list.

SALSIFY, or Vegetable Oyster.

(Ger. Bocksbart.)



A delicious substitute for oysters in soups. Cultivate same as parsnips. Salsify should be more generally cultivated. All who have once grown it continue to thereafter. Per lb. \$1.75; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. ... 5

SPINACH.

(Ger. Spinat.)

This makes the finest "greens" of any plant in cultivation. For summer, sow early in spring, in deep, rich soil, in drills one foot apart, cover one inch. Sow at intervals of two weeks through the season. For very early spring use, sow the winter varieties last of August, and protect by covering with straw.

LONG STANDING—Far superior to all others; leaves thick, fleshy and crumpled. Slow in running to seed. Per lb. 65 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

Round—Main market sort. Equally good for spring or fall. Per lb. 50 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. ... 5

Savoy Leaved—Per lb. 50 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. ... 5

Prickly, or Winter—Per lb. 50 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. ... 5

Viroflay—Grows to an enormous size, and produces wonderful crops. Per lb. 50 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. ... 5

SQUASH.

(Ger. Kurbiss.)

Plant about the middle of spring in hills, the early sorts four feet apart, late varieties six to eight. Thin to three plants to each hill. The soil cannot be too rich.

NEW GOLDEN BUSH—The best Summer Squash yet brought out. It is thicker, larger, and superior in every way to the old varieties. Very early. Try it. Per lb. \$1.25; $\frac{1}{4}$ lb. 45 cts.; oz. 15 cts. ... 5

Yellow Bush Scalloped—Early market variety. Per lb. 90 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5

White Bush Scalloped—Similar to above, color creamy white. Per lb. 90 cts.; $\frac{1}{4}$ lb. 25 cts.; oz. 10 cts. ... 5



Early Bush Crook-Neck—Splendid summer sort; early, productive, very fine quality. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

PERFECT GEM—Excellent both as a summer and winter squash. Flesh



fine-grained, dry, sweet and of a delicious flavor, very productive, a free-grower and good keeper. Is justly entitled to the name it bears. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. 5

Little Cocoanut—Superior flavor, solid, fine grained, extremely prolific, quite ornamental. Per lb. \$1.25; $\frac{1}{4}$ lb. 35 cts.; oz. 10 cts. 5

NEW MEDITERRANEAN—See description on Novelty Sheet. Per $\frac{1}{4}$ lb. \$1; oz. 35 cts. 10

Boston Marrow—This delicious variety is of a rich orange color all the way through; exquisite flavor. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

ESSEX HYBRID—Combines the shape



of the Turban with the hard shell of the Hubbard and a better keeper than either. Flesh very thick, rich colored, solid and fine flavored. (See cut.) Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

HUBBARD—This old variety has for years stood the test of all rivals, and is undoubtedly the best winter Squash known; hard green shell; flesh bright orange yellow; fine grained, very dry, sweet and rich flavored; keeps in perfect condition throughout the winter. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

Winter Crookneck—Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

American Turban—Flesh deep, orange yellow in color, fine grained, very dry, sweet and of delicious flavor, unexcelled for fall and early winter use. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

MARBLEHEAD—A splendid winter variety, only equaled by the Hubbard. Shell very hard, of a light blue color; flesh fully equal to the Hubbard in quality. Per lb. \$1; $\frac{1}{4}$ lb. 30 cts.; oz. 10 cts. 5

MAMMOTH CHILI—Is certainly the largest variety of Squash (or pumpkin, as some call it) grown. Specimens have been grown to weigh over 300 pounds, but to obtain this weight they must be forced by special culture, leaving but one Squash on the vine to mature. From 100 to 200 pounds is a common weight with ordinary culture. Flesh is thick and nutritious for feeding stock, but not considered good for cooking purposes. Grown mainly for curiosity and exhibition at fairs. (See special cash premiums on another page.) Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 25 cts. 10

Brazilian Sugar—See description among Pumpkins. Per lb. \$1.50; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. 5

TOBACCO.

This is a *paying* crop, and will do well in this state.



The following varieties have been thoroughly tested in this climate. Our seed of most of these was grown on the crown panicles of select plants. Early in spring, burn a brush pile on the ground to be used for seedbed. Then thoroughly pulverize the soil, digging and mixing in ashes. Sow seed very shallow.

When plants are six inches high transplant into rows four feet apart. Cultivate thoroughly.

HESTER—A new variety, originated in Granville county, N. C., and has no superior for the yellow type, and makes fine cigar stock. It has size, shape, texture and color, and ripens early. It recommends itself greatly in this, that it has

greater adaptability over a wider range of soils and latitude than any other of the yellow varieties, and may, on this score, be considered the surest. Per lb. \$4; $\frac{1}{4}$ lb. \$1.25; oz. 40 cts. 10

STERLING—The newest and brightest of the yellow type; and being the earliest to ripen, is surest in localities liable to early frosts. Per lb. \$3.50; $\frac{1}{4}$ lb. \$1; oz. 30 cts. 5

BIG HAVANA—A Hybrid Havana or Cuban seed-leaf. A heavy cropper, of fine texture, delightful flavor and the earliest cigar variety to mature and ripen. Will make two crops from one planting in the South, whilst its earliness makes it most desirable for high latitudes. Per lb. \$3.50; $\frac{1}{4}$ lb. \$1; oz. 30 cts. 5

Connecticut Seed Leaf—Best adapted to this climate. Per lb. \$3; $\frac{1}{4}$ lb. 90 cts.; oz. 25 cts. 5

White Burley—Thrives best on a limestone soil. Per lb. \$3.50; $\frac{1}{4}$ lb. \$1; oz. 30 cts. 5

Imported Havana—Per lb. \$5; $\frac{1}{4}$ lb. \$1.50; oz. 45 cts. 10

TOMATO.

(Ger. Liebesapfel.)

Sow early in March in hot-beds or seed-boxes, and when plants have four leaves transplant to four or five inches apart; give plenty of air and endeavor to secure a vigorous and healthy growth. When all danger of frost is past transplant to open ground four to six feet apart each way. Well manured, light sandy soil is best, but it must be remembered that a surplus of manure stimulates leaf growth to the detriment of fruit.

Early Conqueror—Very early, smooth and good sized. Per lb. \$1.75; $\frac{1}{4}$ lb. 65 cts.; oz. 20 cts. 5

Early Canada Victor—Per lb. \$1.60; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. 5

LIVINGSTON'S BEAUTY—See description on novelty sheet. Per $\frac{1}{4}$ lb. \$1.50; oz. 50 cts. 10



LIVINGSTON'S PERFECTION—

Somewhat larger than the Acme; ripens all over and through at the same time; is free from rot at the blossom end. We consider this, with the one exception of the Beauty, the best Tomato grown. Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 25 cts. 5

LIVINGSTON'S FAVORITE—This is one of the largest, perfect shaped Tomatoes in cultivation, smoother than the Paragon, darker red than the Perfection, ripens evenly, and bears continuously throughout the season; very prolific, good flavor, few seeds, flesh solid. Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 25 cts. 5

ACME—Among the earliest, medium size, very smooth, solid clear through, great bearer; color dark red tinged with purple; stands shipping exceedingly well. Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 25 cts. 5

Paragon—Best for canning. Per lb. \$2.50; $\frac{1}{4}$ lb. 75 cts.; oz. 25 cts. 5

CARDINAL—See description on novelty sheet and special cash premium on another page. Per lb. \$3.50; $\frac{1}{4}$ lb. \$1.25; oz. 40 cts. 10

General Grant—Per lb. \$1.75; $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. 5

Easily grown from seed, transplants with safety and grows very rapidly. Per oz. 10 cts.; $\frac{1}{4}$ lb. 25 cts.; lb. 85 cts.; 10 lbs or more, not prepaid at 60 cts. per lb.

Arbor Vitæ, American—Hardy evergreen. Per pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. 90 cts.; lb. \$3.

Beech, European—Hardy, well adapted for high, gravelly soils. Per oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.

Birch, Yellow—A large tree of rapid growth, wood hard and durable, splendid fuel, while for cabinet work it is more valuable than cherry. Per oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$2.50.

Box Elder—Makes a handsome shade tree, also good wind break, as it is a rapid grower. Stands dry weather extremely well. Per oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. 75 cts.; 10 lbs. or more not prepaid at 50 cts. per lb.

Catalpa Speciosa, or Hardy Catalpa—This is perhaps the most valuable tree on the list for our western prairies. Mr. Suel Foster, one of Iowa's veteran horticulturists said of it: "My experience for twenty-five years with the Hardy Catalpa, assures me that it is by far the most valuable tree the farmer can plant, for post timber, and for almost all the uses timber and wood is used for on the farm, or for railroad ties, and for commercial purposes." Grows from seed almost as readily as corn. Cover one-half inch. Per oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50; 10 pounds or more not prepaid at \$1.20 per lb.

Elm, European—A beautiful tree for lawns and streets; a rapid grower. Per oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.; lb. \$2.

Larch, European—The committee on forestry of the Iowa Horticultural Society, recommend this tree for prairie plantings, interspersed with pine. Their estimate is 2,100 larch and 700 pine per acre. The larch is very valuable for fence posts and poles. Per oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.75.

Lime or Linden—Soft wood, of very rapid growth. Per oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

Maple, Sugar—A beautiful shade tree in open situations, while in the timber it makes a strong rapid growth, valuable for sugar, fuel and manufacturing purposes. Per oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.10.

Maple, Soft—This is being extensively planted in

forests, groves and timber belts on account of its rapid growth. Seed ready about June 1st., and should be planted within two or three weeks. Per $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.; bu. \$2.50.

Mulberry, Russian—Indispensable in silk culture in the north. Easily grown from seed. Its rapid growth, beautiful form and foliage and more than all the excellence of its timber and fruit, produced in abundance after the third year, makes it an extremely valuable tree for the northwest. Per pkt. 10 cts., oz. 50 cts. $\frac{1}{4}$ lb. \$1.75; lb. \$5.

Plane or Sycamore—One of our native trees, and attains on some of the rich river bottoms, an enormous size. Per oz. 10 cts.; $\frac{1}{4}$ lb. 30 cts.; lb. \$1.

Pine, Austrian—Perfectly hardy and a rapid grower. Per oz. 20 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

Pine, Scotch—This variety seems to stand the hot blasts of summer and cold blizzards of winter on our northwestern prairies without flinching, hence is very desirable for timber belts. Per oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$2.50.

Pine, White—Equally hardy with the Scotch Pine, while for lumber, it is probably more valuable. It is adapted to a great variety of soil and climate. Per oz. 30 cts.; $\frac{1}{4}$ lb. \$1; lb. \$3.50.

Spruce, Hemlock—A very handsome evergreen, rapid in its growth and very valuable as a wind break. Per oz. 50 cts.; $\frac{1}{4}$ lb. \$1.50.

Spruce, Norway—A foreign variety that proves hardy and thrifty in this country. Valuable for timber belts, or for lawns. Per oz. 10 cts.; $\frac{1}{4}$ lb. 35 cts.; lb. \$1.25.

Tree of Heaven—Introduced from Japan. It has become quite popular in some localities on account of its rapid growth and tropical appearance. Hardy on our prairies. Per oz. 15 cts.; $\frac{1}{4}$ lb. 40 cts.; lb. \$1.25.

HEDGE SEED.

Osage Orange—Makes a handsome and durable hedge and is altogether the best plant grown for this purpose. Per lb. 50 cts.; 3 lbs. \$1.25; pk. \$2; bu. \$7.

Osage Hedge Plants—\$3 per 1,000; 5,000, \$12.50; 25,000, \$50. Special prices on large quantities.

Honey Locust— $\frac{1}{4}$ lb. 20 cts.; lb. 60 cts.; 10 lbs. and over not prepaid at 35 cts. per lb.

PLANTS, BULBS, NURSERY STOCK, ETC.

→ Flower Plants and Bulbs. ←

Our plants are all strong, healthy and vigorous. They are sent by mail postpaid at prices named. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundred miles as they were when packed.

Where orders for plants and bulbs (except the dollar collections) exceed one dollar, customers will be entitled to a discount of fifteen per cent. When plants are ordered to be sent by express, we not only send larger plants, but also put in enough extras to cover the express charges, and where it is possible to do so, we should advise our customers to have their plants shipped in this way.

EACH.

Abutilon —(Flowering Maple)—Four varieties; each	10
Achania —Scarlet flowers	10
Achryanthes —Four sorts. Doz. 75 cts.	10
Ageratum —Well-known favorites	10
Alternanthera —Bright-leaved plant	10
Aloysia —(Lemon Verbena)—Fragrant.	15
Alyssum, Sweet	10
Agave —(Century Plant)—Plain and variegated, small size	25

Begonia —Flowering; ten varieties, each	10
Rubra —Scarlet flowers	15
Rex —Ornamental-leaved	25
Bouvardia —Winter-blooming plants	20
Callia Lily —Large white flowers	15
Spotted, or Richardia	15
Cactus —A very large variety, each	25
Carnations —Great variety. Doz. \$1	25
Cuphea Platensis —Cigar Plant	10
Centaurea —(Dusty Miller)—Doz. \$1.50	15
Chrysanthemum —Blossoms during October, November and December, when there are but few other plants in bloom. Nothing excels it ..	15
Coleus —The best, cheapest and most popular ornamental-leaved bedding plants grown. There is almost an endless variety in their colors and markings. Doz. 75 cts	10
Cereus Grandiflorus —(Night Blooming Cereus)	25
—Large size plants	1.00
Cinerarias —White foliage; two sorts, each ..	15
Coccoloba Platensis —Flat stem	10
Cyperus Alternifolius —Umbrella Plant ..	20
Cyclamen Persicum —Winter sort	15
Daisies, Double —All colors mixed. Per doz. 75 cts.	10

Euphorbia Splendens —Scarlet.....	25
Echeveria —Useful for rockeries, etc.....	15
Epiphyllum —(Lobster-leaved Cactus).....	15
Feverfew, Double White —Well known.....	10
Golden Feather —For ribbon beds.....	10
Fuchsias, Avalanche	10
Black Prince —Rose corolla; waxy, carmine sepals.....	10
Carl Holt —White; corolla crimson, striped white.....	10
Earl of Beaconsfield —Single, carmine.....	10
Mad. Van Der Strass —Double white.....	15
Model —Pink sepals, double corolla.....	15
Speciosa —Best blooming variety.....	10
And many other varieties.....	10
Ferns —In variety.....	15 to 50
Funkia Alba —(Day Lily)—White.....	25
Farfugium Grandes —Dark Green, yellow spots.....	35
Gloxinias —Summer-blooming.....	50
Geraniums —We have a very large variety of the best single and double sorts, and can furnish any color desired at \$1 per doz.....	10
Fancy Leaved Geraniums —Mad. Pollock and Sunset, each.....	25
Crystal Palace Gem, Mt. of Snow, Happy Thought, Distinction, Freak of Nature, Mad. Sallerol and Ivy Leaved, each.....	10
Scented Geraniums —Balm, Rose, Nutmeg, Lemon, Skeleton Leaved and Mrs. Taylor, each.....	10
Heliotropes —Universal favorites on account of their delightful fragrance; flowering equally well in summer or winter.....	15
Honeysuckle, Japanese —Fine for baskets.....	15
Hoya —(Wax Plant)—For house culture.....	20
Hibiscus —Bloom freely in summer.....	25
Hydrangea —White and pink, each.....	15
Ice Plant, Variegated —For baskets.....	10
Ivies —English; no vine excels this.....	15
Ivies —German, Parlor, Kenilworth and Ground, each.....	10
Jasminum —White and yellow flower; very fragrant.....	15
Night-Blooming —Very desirable.....	15
Lantanas —Summer bloomers.....	15
Lobelia —Splendid basket plant.....	10
Lycopodium —(Or Selaginella)—Fernery plants.....	15
Maurandia Vine —Pretty for baskets.....	10
Myosotis —(Forget-Me-Not)—Two varieties.....	10
Moneywort	10
Oleander —Double pink.....	20
Single White	20
Oxalis —Fine pot or basket plants.....	10
Othonna —Good basket plants; flowers bright yellow.....	10
Petunias, Double —Choice varieties.....	15
Plumbago —Shades of blue flowers.....	15
Pansies —Choice mixed varieties.....	Doz. 50 cts
New German	Doz. 75 cts
Separate Colors	Doz. 75 cts
Pilea Arborea —(Artillery Plant).....	10
Primula —(Chinese Primrose).....	25
Pelargoniums —(Lady Washington Geraniums).....	25
Roses —We have discarded many of the varieties of roses which we have grown in past years, and selected only the very best kinds for summer and winter blooming, of Teas, Hybrid Perpetual, Polyanthas and Climbing. In ordering name colors and varieties desired. Per doz. \$1.50.....	15
Salvia —Scarlet and white, each.....	10
Saxifraga Sarmetosa —(Strawberry Geranium).....	10
Stevia —Winter-blooming plant; white flowers.....	10
Variegated —Very desirable.....	10
Sedum, or Stone Crop —For baskets.....	10
Smilax —Prettiest vine in cultivation.....	10
Tradescantia, or Wandering Jew	10
Violets, Sweet-Scented	15
Verbenas —One of our best and most popular bedding plants. Plants set out in April or May will give a mass of bloom all through the summer and fall months; their low price places them in the reach of all. We have a splendid variety of the best colors and shadings. Doz. 85c.....	10

BULBS FOR SPRING PLANTING.

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the Gladiolus, the grace and elegance of the Lily, the purity and sweetness of the Tuberosa, the majestic foliage of the Caladium, and the wonderful markings of the Tigrida. Bulbs for spring planting require scarcely any care, and quickly make a gorgeous display, while the bulbs can be kept over winter, and will year after year continue to return a hundred-fold in beauty and satisfaction the trifling expense of the original cost.

In the following list we have selected the varieties which we believe will give our customers the best satisfaction. The bulbs are large and strong and will be sent, well packed, in the same parcels with flower or vegetable seeds, plants or other goods. We trust all who have a flower garden will include some of these bulbs in their order. Sent postpaid at price named.

Amaryllis—Bulbs may be potted any time in spring; they bloom year after year; must not be allowed to freeze.

Formosissima (Jacobean Lily)—Dark velvety crimson..... 40

Vitata—Extra fine; red ground, striped with white..... 1 25

Johnsoni—Scarlet striped with white; flowers very large..... 1 00

Caladium, Esculentum—A splendid tropical plant growing four or five feet with immense leaves, beautifully veined and variegated with different shades of green. Very showy, leaves frequently growing three feet in length. Medium sized bulbs 20 cts.; very large..... 40

Canna—Beautiful foliage plants of very tropical appearance; growing from three to six feet high. In fall store in a dry cellar. Good mixed. 25

Dahlias—We have a large collection of these exceedingly showy and grand fall flowers, and can furnish almost any color desired. They comprise all the most gorgeous shades and colors imaginable. Per doz. \$1.50..... 15

GLADIOLUS.

We wish especially to call your attention to our list of Gladioli, the most desirable of all bulbs, and claimed by many well acquainted with their wonderful and varied beauty, to be the flower of all flowers. Our stock is from a magnificent collection, and the following are selected to meet the wants of the most fastidious, and sure to fulfil all expectations. To have the immense spikes of bloom develop in the greatest perfection, they should be cut when the first four flowers open; place them in water nearly up to the lower flower, and the entire spike will develop into the greatest loveliness, lasting from a week to ten days.

To have a constant succession of flowers, the bulbs should be planted at intervals from the middle of April until the first of July.

We cannot too highly recommend our mixed Gladiolus. We have had them grown for us and they have been carefully selected from choice varieties and embrace a truly magnificent variety of beautiful colors.

Red Varieties Mixed—Per doz. 50 cts..... 5

Light, White and Striped—Per doz. \$1. 10

Choice Yellow Varieties, Mixed—Per doz. \$1.50..... 15

Extra Fine Mixed—Embracing all colors. per 100, \$2.50; per doz. 40 cts..... 15

Arsinoe—Fine satiny rose, flamed with bright carmine..... 15

Brenchleyensis—Deep vermilion scarlet..... 10

Ceres—Pure white, blotched purplish rose..... 15

Eugene Scribe—Light pink, glazed with carmine; flowers very large and perfect..... 15

Isaac Buchanan, or Golden Scap-tre—The best yellow variety..... 20

James Carter—Light orange red, with white blotch..... 15

John Bull—White, striped with lilac..... 10

Le Poussin—Light red, large white throat..... 15

Meyerbeer—Rose scarlet, amaranth; red blotch..... 25

Hyacinths —Of all the bulbous flowers, the Hyacinth is the most beautiful and popular. It is cultivated and highly prized in every northern country in the world. They may be successfully grown in the garden or for house culture in pots or glasses. Either double or single of any of the following colors:	
Pure White, Rose, Red and Blue —Per doz. \$1.75.....	15
Double or Single Yellow —Per doz. \$2.25.....	10
Double or Single Mixed Colors —Per doz. \$1.50.....	15
Roman Hyacinths —Earliest of all, will bloom by holidays; produces three to seven flower stalks. Per doz. \$1.....	10
Tulips —Nothing can excel these for early spring blooming in the open ground. Also good for house culture. Can furnish separate colors when desired.	
Extra Choice Mixed Colors —Per doz. \$1.....	10
Good Mixed Colors —Per doz. 40 cts.....	5
Parrot, Mixed Colors —Beautifully fringed varieties—Per doz. 50 cts.....	5
Crocus, all Colors Mixed —Per 100, \$1; doz. 15 cts.....	
Narcissus, Mixed Colors —Per doz. \$1.50.....	15
Poeticus —Per doz. 50 cts.....	5
Paper White —Per doz. \$1.50.....	15
Lilium Candidum —Per doz. \$2.....	20
Lily of the Valley —Per doz. \$1.....	10
Snow Drop, Double —Per doz. 60 cts.....	5
Single —Per doz. 35 cts.....	5
Maderia Vine —Large bulbs, per doz. \$1.....	10
Maderia Vine —Small bulbs. Per doz. 50 cts.....	5

→ Vegetable & Plants & and & Roots. ←

Plants quoted "By mail," are sent at our expense, "By express, at the purchasers." By our system of packing they are sure to arrive in good condition when the time of transit does not exceed three days. No charge for either packing or boxes.

(Prices for large quantities of any of these Plants or Roots will be given on application.)

ASPARAGUS ROOTS.

For directions for planting, etc., etc., see Aspar-

ONION SETS.

We always keep a nice stock of all the principal kinds of onion sets and top onions in their season. The following varieties are all sent by mail, post paid at 50 cts. per qt. By express, per qt. 25 cts.

Yellow Sets—From seed; per pk \$1.50; bu. \$5.

White, or Silver Skin Sets—From seed; per pk \$2.00; bu. \$8.00.

Top or Button Onions—Per pk. \$1.50; bu. \$5.50.

Potato Onion Sets—Per pk. \$1.75; bu. \$6.

Winter or Perennial Onion Sets.

When once set out, without the slightest winter protection, they will come up year after year, as soon as frost leaves the ground, and grow so rapidly that they are ready for the market or home use in a very few weeks. They should be planted in the fall, and will be sent out in August or September, as soon as ripened. Per pk. \$1.25; bu. \$4.

PEPPER PLANTS.

Large Bell, Sweet Mountain and Cayenne—By mail, doz. 25 cts.; 100, \$1.25; by express, per 100, 75 cts.

SWEET POTATO PLANTS.

We make a specialty of supplying first-class Sweet Potatoes and Sweet Potato Plants, and we take great pains to send out only such as are strong, vigorous, well rooted and hardy. The Yellow Nansemond is the favorite variety, but we can supply the White Southern Queen also when wanted. (Ready about May 1st.) Price by mail, 100, 75 cts.; 300, \$2; by express; \$2.50, per 1,000.

RHUBARB ROOTS.

These may be planted early in the spring or in the fall, setting the roots three feet apart each way. It requires but little labor to plant, and when once planted in good rich soil it will remain in bearing condition several years. By express, each, 20 cts.; doz. \$1.50; 100, \$10.

TOMATO PLANTS.

Livingston's Perfection, Favorite, Acme, Paragon or Tropy—By mail, doz. 20 cts.; 100, \$1; by express, 100, 65 cts.; 1,000, \$4.

Mail Clubbing Rates:—Persons sending \$2, may select plants valued at \$2.30; \$4, \$4.70; \$6, \$7.40; \$8, \$10.20; \$10, \$13.50.

And for all amounts remitted above \$10, 35 per cent may be added to the order.

Individual orders for any of the preceding amounts will be entitled to the same premiums as Club Orders.

Those preferring to make their own selections are invited to do so from the following list:

APPLES—Standard.

Plant 30 feet apart each way, 48 trees to the acre. One year grafts finely rooted, cut back suitable for mailing; 10 cents each; \$1 for 12, six sorts two each, our choice of the following:

Summer—Benoni, Early Harvest, Golden Sweet, Red Astrachan, Sops of Wine, Tetofsky and Western Beauty.

Autumn—Autumn Swaar, Autumn Strawberry, Colvert, Duchess of Oldenburg, Fall Pippin, Flora Bellflower, Lowell, Maiden's Blush, Sherwood's Favorite, St. Lawrence and Trumbull Sweet.

Winter—Ben Davis, Baldwin, Bellflower Yellow, Dominic, Fameuse, Golden Russet, Haas, H. Non-such, Northern Spy, Peck's Pleasant, Pewaukee, Russet Roxbury, R. I. Greening, Rambo, Seek-No-Further, Stark, Talman Sweet, Wagener, White Pippin, Wealthy and Walbridge.

Apples of Special Merit.

Except noted, twenty cents each; \$1 for six; our choice.

Arnold's Beauty—A seedling of the Northern Spy.

Hyde's King of the West—Large to very large; handsome yellowish green; good quality; a remarkable keeper. Time of keeping, all the year around; 35 cts. each; \$1 for 3.

Missouri Pippin—Medium to large; pale whitish yellow, splashed red; sub-acid. January to April.

Ontario—Fruit large; skin whitish yellow, nearly covered with bright, rich red; flesh fine, tender, juicy, sub-acid. January to April.

Salome—Equals Wealthy in hardiness; keeps till July; 35 cts. each; \$1 for 3.

Shiawasse Beauty—Fruit medium; white marbled, striped and splashed with red; sub-acid. October to January.

APPLES—Crab.

One year grafts cut back for mailing; 15 cts. each; \$1 for 8, four sorts, two each, our choice. Hyslop, Transcendent, Van Wyck's Sweet, Whitney's No. 20 and Yellow Siberian.

PEARS.

Plant 20 feet apart each way, 108 trees to the acre. One year grafts cut back for mailing; 30 cts. each; \$1 for 4.

Bartlett, Clapp's Favorite, Tyson, Bell Lucrative, Flemish Beauty, Howell, Sheldon, Seckel, Lawrence and Vear of Winkfield.

Kieffer's Hybrid and Le Conte; each 35 cts.

CHERRIES.

One year from bud, cut back for convenience in mailing to about one foot. Price 30 cts. each; \$1 for 4.

Leading Sorts.

Black Eagle, Belle Magnifique, Black Tartarian, Early Richmond, Early Purple Guigne, English Morello, May Duke, Napoleon, Ohio Beauty, Reine Hortense and Yellow Spanish.

Newer Cherries.

Price 35 cents each; \$1 for 3. Dyehouse, Empress Eugene, Leib, Louis Phillippe, Lady of the Lake, Nancy and Olivet.

PLUMS.

One year buds cut back for convenience in mailing; 30 cts. each; \$1 for 4.

German Prune, Shropshire Damson, Magnum Bonum Yellow, Prince's Imperial Gage, Reine Claude, Smith's Orleans, Geull and Moore's Arctic.

NURSERY STOCK.

OF SUITABLE SIZE TO BE FORWARDED BY MAIL.

Orders in this department must amount to one dollar. We cannot afford to give our attention to orders of less amount. The office work on a small order is the same as on a larger one, and it also requires nearly as much time and material to pack it, and takes almost as much postage.

The following premiums apply to this list only. Do NOT GET THIS MIXED WITH ANY OTHER DEPARTMENT.

As an inducement to persons to present the matter to neighbors and solicit club orders, we offer the following liberal premiums, enabling those who have not the money to spare, to procure an assortment of plants by spending a few hours time.

Improved Native Plums on Peach Stocks.

Thirty cents each; \$1 for four.
Bassett, De Soto, Newman, Wild Goose and Weaver.

APRICOTS.

There is no fruit that is more beautiful or desirable than the Apricot. Price 30 cents each; \$1 for 4.
Breda, Early Golden, Moerpark, Purple or Black and Royal.

Russian—An extremely hardy Apricot introduced from Russia; 35 cts. each; \$1 for three.

PEACH TREES.

One year buds cut back for mailing; 15 cts. each; \$1 for 10, four sorts, our choice.

Amsden's June, Alexander Early, Bowers' Early, Crawford's Early, Crawford's Late, Early Benrice, Foster, Hale's Early, Marshall's Late, Old Nixon Cling, Old Nixon Free, Richmond, Smock's Free, Smock's Cling, Stump the World, Snow, Ward's Late, Wager, Waterloo, Yellow Rareripec, Beauty of Painesville, Early Canada, Gudgeon's, Lord Palmerston, Steven's Rareripec and William's Favorite.

MULBERRIES.

Downing's Everbearing and New American—Each 50 cts.

Russian—See special description under heading of "Silk Culture."

White, Morus Alba—The common variety. Valued more for feeding silk worms than for its fruit; 10 cts. each; \$1 for 15.

QUINCES.

Champion—A prolific and constant bearer; quality fine; a long keeper; bears extremely young; 35 cts. each; \$1 for 3.

Orange—Fruit large; bright yellow; 25 cts. each; \$1 for five.

GRAPES.

Plant rows eight feet apart and six to ten feet in rows.

Black.

Alma—One year, 50 cts.; 2 year, 75 cts.

Concord—One year, 10 cts.; 15 for \$1; two year, 15 cts.; 10 for \$1.

Clinton, Hartford Prolific, Ives' Seedling, Merri-mack and Wilder one year; 15 cts. each; two year 20 cts.

Early Victor—One year, 30 cts.; two year, 40 cts.

Moore's Early—One year, 25 cts.; two years, 35 cts.

Worden—One year, 20 cts.; two years, 25 cts.

Red, or Amber.

Agawam, Catawba, Lindley and Salem. One year. 15 cts.; two years, 20 cts.

Brighton—One year, 20 cts.; two years, 30 cts.

Jefferson—One year, 25 cts.; two years, 40 cts.

Vergennes—One year, 30 cts.; two years, 40 cts.

White.

Elvira and Martha—One year, 15 cts.; two years, 20 cts.

Empire State—One year 75 cts.; two years, \$1.

Duchess and Golden Pocklington—One year, 20 cts.; two years, 25 cts.

Lady Washington—One year 25 cts.; two years 35 cts.

Niagara—One year, 75 cts.; two years, \$1.

Prentis—One year, 35 cts.; two years 50 cts.

STRAWBERRIES.

Crescent Seedling, Bidwell, Monarch of the West, Sharpless, Wilson, Manchester, James Vick, Old Iron Clad, Cumberland Triumph, Charles Downing, Finch's Prolific, Glendale, Crystal City, Captain Jack, Kentucky, Mt. Vernon, Windsor Chief, Longfellow, Pioneer, and Miner's Great Prolific; each 10 cts; 10 for 25 cts.; 100 for \$1.25.

Early Canada, Oliver Goldsmith, Jucunda, Atlantic and Prince of Berries; each 10 cts; 10 for 30 cts.; 100 for \$2.

Parry, Garretson and Cornelia; each 10 cts.; 10 for forty cts.; 100 for \$2.50

Japan —An improvement on above.....	50
Spireas —Many beautiful varieties; each.....	15
Purple Fringe —Drooping flowers.....	25
Wigellias —Four varieties; each.....	25
We will send ten shrubs, each labeled, our selection of varieties for.....	
	1 00

> HARDY ORNAMENTAL CLIMBING VINES. <

Ampelopsis, Quinquifolia —(American Ivy)—A perfectly hardy climber of rapid growth; fine for covering walls or unsightly objects.....	15
Tricolor —Leaves beautifully mottled.....	25
Veitchii —The foliage is a bright, glossy green, shaded with purple, changing in Fall to the brightest tints of scarlet, crimson and orange.....	20

- Akebia Quinata**—A beautiful, hardy, fast growing Japan vine, with magnificent foliage, producing flowers in large clusters of chocolate-purple color; possessing a most delicious perfume. 15
- Bignonia, Trumpet Flower**—A rapid growing climber, with large scarlet, trumpet-shaped flowers. 20
- Dutchman's Pipe**—A magnificent hardy vine of rapid growth, with very large heart shaped leaves and brownish flowers, resembling in shape a miniature pipe; splendid for archways or verandas. Strong plants. 75
- Honeysuckles**—Seven splendid varieties; each. 75
- Wisteria**—One of the most popular of our hardy vines, growing very rapidly, climbing to a height of fifty feet or more, and when in bloom is truly magnificent. It flowers in early spring, in long drooping racemes, resembling in size and shape a bunch of grapes. Three varieties; each. 25

→Hardy Ornamental Trees.←

EVERGREENS.

In the following list we quote only such sizes as can be sent by mail.

- Norway Spruce**—Two years, three to four inches, 10 cts. each; 50 cts. per 10; \$2 per 100; four years, four to six inches, 20 cts. each; 75 cts. per 10; \$4 per 100.
- American Arbor Vitæ**—A hardy pyramidal tree when grown singly and properly sheared, a handsome object; makes a compact and beautiful hedge; four to six inches, 15 cts. each; 75 cts.; per 10; \$6 per 100.
- Arbor Vitæ. (Semper Aurea)**—One of the very best of the golden variegated Evergreens; 75 cts.
- Arbor Vitæ. (Tom Thumb)**—A very small compact little Evergreen; very fine foliage; fine for low hedges; four to six inches high, 25 cts.
- Cupressus Nutkensis**—One of the best; foliage dark green; perfectly hardy; six to eight inches; 50 cts.
- Holly. (English)**—Deep green, glossy shining leaves with bright red berries through the winter. Largely used in Christmas decorations; 50 cts.
- Lawson's Cypress**—Has elegant drooping branches, and feathery foliage of a dark glossy green hue; five to six inches, 35 cts.
- Irish Juniper**—Foliage deep green and very compact. Much used in cemeteries; four to six inches, 25 cts.
- Swedish Juniper**—Perfectly hardy; four to six inches, 25 cts. each.
- Pine. (Austrian)**—A strong, hardy grower, fine for wind-breaks; grows rapidly on light, sandy soils; hardy, four to six inches; 25 cts.
- Pine. (Scotch)**—Very hardy; four to six inches; 25 cts.

DECIDUOUS TREES.

- Catalpa Speciosa. (Hardy or Western Catalpa)**—See description with Catalpa Seed; four to six inches each, 10 cts.; 30 cts. for 10; \$1 for 75.
- Ash-Leaved Maple**—A distinct variety making a handsome lawn tree; six to ten inches, 15 cts.; \$1 for 12; \$2 for 100.
- Norway Maple**—Very desirable for street, park or lawn; ten to twelve inches, 35 cts.
- Silver Leaved Maple**—Valuable for producing a quick shade. Excellent for street planting; 15 cts.; \$1 for 12; \$2 for 100.
- American Linden or Basswood**—A rapid growing beautiful tree; ten to twelve inches, 25 cts.
- Mountain Ash. (European)**—A fine hardy tree; head dense and regular; covered from July till winter, with great clusters of bright red berries; eight to twelve inches; 25 cts.
- Magnolia Acuminata. (Cucumber Magnolia)**—A beautiful pyramidal tree, four to six inches, 25 cts.
- White Ash**—One year, 15 cts.; \$1 for 12; \$2 for 100.

Silver-Leaved Poplar—A tree of rapid growth and spreading habit. Leaves glossy green above, and white as snow beneath; 25 cts.

Balsam Poplar, or Balm of Gilead—A remarkably rapid growing tree, with luxuriant, glossy foliage; 25 cts.

Birch, Cut-Leaved Weeping—Beyond question one of the most elegant of all weeping or pendulous trees; of tall, slender, vigorous growth, graceful, drooping habit, silvery white bark and delicately cut foliage; 75 cts.

Weeping Willow—A well-known and most graceful tree of large size; 25 cts.

Wisconsin Weeping Willow—Fine drooping habit; entirely hardy as far north as Wisconsin; 25 cts.

←Russian Mulberry Trees for Silk Culture.→

It is only a few years ago that the culture of silk was thought to be impracticable and unprofitable if not entirely impossible, but the experiments and experience of the past few years has demonstrated the fact beyond a doubt, that these Western States are better adapted to the culture of silk than many European countries which have cultivated it for centuries. The culture of silk is better adapted to home industry than any other branch of work which opens so large a field in the commercial market, it being valuable as a commodity and always in demand. It particularly commends itself to women (and children of the rural districts as an occupation of an intelligent and moral bearing, not requiring constant duty but enabling the parties to pursue their household duties, and it is attracting a wide spread attention throughout the United States.

The Russian Mulberry is by far the best variety for silk culture. It is a very rapid grower, and grows to be very large, often reaching the height of fifty feet, and is perfectly hardy. The leaves are mostly lobed or cut and make unequal food for the silk worms. The fruit has an aromatic flavor, and sub acid sweet taste and is very much liked by some, although there are other varieties which excel it in this respect. The Mennonites who first brought it to this country, use it as an ornamental hedge plant, and it really makes a beautiful hedge.

Our stock is grown specially for the mail trade, and we offer them at the following prices by mail, postpaid:

Two to four inches high, 80 for \$1; four to six inches high 50 for \$1; six to 12 inches high, 30 for \$1; twelve to eighteen inches high, 20 for \$1. Prices on larger sizes or on large lots by express or freight on application.

Russian Mulberry Seed—Per pkt. 10 cts.; oz. 50 cts.; ¼ lb. \$1.50; lb. \$5.

Silk Worm Eggs. (French Yellow, or White Japanese.) Per 1,000, 50 cts.; ½ oz. \$3; oz. \$5 postpaid.

A Complete Text Book on Silk Culture containing all the information and instruction necessary for a person to know in order to succeed in this business fully illustrated, price only 25 cts.

→TREES, x PLANTS x AND x SHRUBS.←

BY EXPRESS OR FREIGHT ONLY.

Trees, shrubs, or plants from this list can be sent only by freight or express. They are all strong and healthy from open ground. Stock in this list is supplied by a reliable nurseryman, and will be shipped direct from the nursery in Des Moines, about April 15.

Of apples we can supply about 150 varieties, and can generally supply any kind ordered. We can most cordially recommend all to try these, everything is A 1 in quality and prices are reduced to the lowest point possible for first class stock. No premiums or discounts can be allowed on this list. One-half dozen sold at dozen rate, and twenty-five at the 100 rate.

Apple Trees—No. 1, 4 to 6 feet, select; each 25 cts.; doz. \$2.50; 100, \$20.

—Second selection, 4 to 5 feet; each 20 cts; doz. \$2.50; 100, \$15.

Crab Apples—Transcendent, Hyslop, Quaker Beauty and many others; each 40 cts.; doz. \$4.

Cherries—Early Richmond, English Morello, Gov. Wood and Montgomery; 4 to 6 feet; each 75 cts; doz. \$7.50; 3 to 4 feet; each 50 cts.; doz. \$5.

Plums—4 to 6 feet, a fine assortment; each 75 cts.; doz. \$7.50.

Pears—Hartlett, Clapp's Duchess, Vicar, Keiffer and many others, both standard, 4 to 6 feet; and dwarf, 3 to 4 feet; each 75 cts.; doz. \$7.50.

Apricot—Russian; each \$1; doz. \$9.

Mulberry—Russian, 4 to 6 ft.; each 40 cts.; doz. \$4.

Grapes—Concord, 1 year, No. 1; doz. \$1.25; 100 \$7.

—Concord, 2 year, No. 1; doz. \$1.50; 100 \$12.

—Warden, best early, hardy as Concord, 2 years; doz. \$2; 100 \$17.

—Martha, Elvira and Roger' Hybrids and many other kinds, 2 years; each 15 cts.; doz. \$2; 100, \$15.

—Prentiss, Pocklington and Lady, 2 years; each 40 cts.; doz. \$4; 100, \$30.

—**White Niagara**—Each \$1.20; doz., \$12.

Currants—Best sorts, 2 years; doz. \$1.50; 100, \$10.

Gooseberries—Two years, Houghton; doz. \$1.50; 100, \$10.

—Two years, Downing; doz. \$2; 100, \$12.

Raspberries—Mammoth Cluster, Turner, etc.; doz. 75 cts.; 100, \$5.

—Gregg, Cuthbert and Thwack; doz. \$1; 100, \$6.

—Souhegan and Tyler; doz. \$1.25; 100, \$7.

—**Eureka**—This berry is a choice seedling, and has never failed to bear two crops a season for many years; one ripening in June and the second in August, which continues in bearing until frost. Berry equally as large as the Gregg, and of much the same appearance, but of much finer flavor and more firm. Extremely hardy. We are offering this berry for the first time at 50 cts. each; \$5 per doz.; \$30 per 100.

Blackberries—Snyder, hardy, abundant bearer; best, 75 cts. per doz.; \$5 per 100.

Strawberry—Wilson, Crescent, Cumberland, Triumph, Chas. Downing, Kentucky, Seth Boyden and Downer's Prolific; 35 cts. per doz.; \$1.50 per 100.

Huckleberry—Per doz. \$2.50.

Evergreens—Scotch Pine; two feet; each 30 cts.

—Austrian Pine, eighteen inches, each 25 cts.

—Norway Spruce, two to five feet, per foot, 20 cts.

—Riga Pine, six to nine inches, each 25 cts.

—Red Cedar, ten to fourteen inches; each 25 cts.

—Red Cedar for lawns, three to four feet; each, 75 cts.

—Balsam Fir, ten to fourteen inches; each 25 cts.

—Arbor Vitæ, two feet; each 40 cts.

—American White Spruce, two feet; fine; each 50 cts.

—Silver Spruce and Douglas Fir, from Colorado; ten to fourteen inches; each 50 cts.

Deciduous Ornamental Trees—Catalpa and Silver Birch, six to eight feet; each 50 cts.

—Catalpa and Silver Birch, four to six feet; each 40 cts.

—Mountain Ash and Rock Maple; four to six feet; each, 60 cts.

Weeping Trees—Kilmarnock Willow and Cut-leaved Weeping Birch, four feet; each \$1.

—Weeping Mountain Ash, fine, five feet, each \$1.25.

—Wisconsin Weeping Willow and Silver Maple, five to six feet each 50 cts.

Shrubs—Weigelia, Snowball, Flowering Almond, Hydrangea, Lilac, Dogwood, Barberry, Tree Honeysuckle, Rose Acacia, a large collection of the finest Spiræa, each 50 cts.

Vines and Creepers—Ampelopsis, Bignonia, Honeysuckle, Wisteria, Bittersweet, etc., each 50 cts.

Peonias—Dileytras, each 50 cts.

HARDY ROSES.

All should have some of these beautiful, outdoor Roses. The following are the best varieties:

Prairie Queen—Bright pink, climbing, each 50 cts.

Baltimore Belle—Pale blush, variegated, climbing, each, 50 cts.

Augusta Mie—Large, clear, bright pink, very fragrant, each 50 cts.

Gen. Washington—Bright vermillion rose; large, fine form and perfectly double and a very free bloomer; each 50 cts.

Madame Plantier—Pure white flower of most perfect form; blooms only in spring; but is literally covered with flowers then; beautiful for cemetery decoration, each 50 cts.

TOOLS AND IMPLEMENTS.

We handle a good assortment of the best gardening implements and tools, and as we are not bound to any firm or manufacturer to push their goods exclusively, our customers can depend on our opinion as here given, being unbiased and founded on our own experience, and that of the best gardeners near this city.

A good wheel hoe is as much superior to the common hoe for cultivating a garden, as is the mowing machine to the sickle in the hay-field. All of the following tools have been thoroughly tested, and for their own particular class of work have given splendid satisfaction. The soil on which they are intended to be used, as well as the use to which you intend to put them, must be well considered.

All in all the Planet Jr. Implements are the most popular with the Iowa gardeners. If you want a tool both for drilling your seed, and tending the crop either the Planet Jr., or Comstock Combined Drill and Wheel Hoe will answer the purpose. The Planet Jr. consists of the largest number of combinations, and can be used for a greater variety of work. The Comstock has the advantage of extreme lightness (if that is an object with you), and with the addition of the Scuffle Hoe attachment does almost all varieties of work. Another advantage with some is that they can purchase the Drill first, and afterwards buy the attachments to make a combined machine, when needed.

The Planet Jr. No. 2 Drill, and the Planet Jr. Double Wheel Hoe, are undoubtedly the two best machines for market gardeners on the list, and when customers can afford to buy two machines we would most strongly recommend these. As a cultivator for rather heavy ground, there is no tool which will equal the Ruhlman Wheel Hoe. It does as thorough and complete work as any tool on the list, and exterminates all weeds between the rows. No gardener or farmer should be without a Planet Jr. Combined Horse Hoe, Cultivator and Plow. It is conceded by all who have tried it to be the **Best Horse Cultivator in existence.**

All of the tools named in this list are good in their respective classes, and we refer you to the description of them given herewith, and to the descriptive circulars of any of them which will be mailed on application. All tools are packed ready for shipment and will be delivered at express or freight offices at prices named.

Five per cent discount on any two tools shipped together.

Ten per cent discount on any three or more shipped together.

Please notice that our price is less than list price on almost every one of them. Buying them as we do by the hundred we are enabled to give lower prices than most other dealers.

"PLANET JR." AND "FIREFLY" FARM AND GARDEN IMPLEMENTS.

The "Planet Jr." goods combine lightness with strength, adjustability with firmness, simplicity with perfection of work, and thorough practical value, with beauty of design.

We have shipped these goods to all parts of the United States, and have received a great many recommendations from them, of which the following unsolicited one just received from one of our customers in Florida, is a sample:

IOWA SEED Co.—Gentlemen: The "Planet Jr." Double Wheel Hoe, Cultivator and Plow combined, that I bought of you in June, does the work to perfection. I now want to get two more implements, viz: The Planet Jr. Combined Drill, Wheel Hoe Cultivator and Plow, and also the Planet Jr. Hollow Steel Standard Horse Hoe and Cultivator with wheel. Also covering roller and a set of sweeps.

Yours respectfully,

E. C. JACKSON.

Owing to lack of space in this catalogue we give only a condensed description of these implements. A complete descriptive catalogue of these goods, illustrated with over forty engravings showing the tools at work, and containing practical instruction in the cultivation of garden and field crops, invaluable to beginners and useful to every tiller of the soil, will be mailed free on application to us.

THE PLANET JR. NO. 2 DRILL.

A seed drill to insure satisfactory results must possess a number of important qualities. The seed must be discharged regularly and without injury, the adjustability of the dropping device must be simple and positive, the index reliable, the seed deposited in a straight line and covered the desired depth with exactness, and the ground thoroughly firmed over the seed. It should have a good marker and a cleaner for foul ground. All these we have in the "Planet Jr." to perfection. It holds two and one-half quarts and will sow with equal accuracy a single paper of seed or a full hopper; with the greatest exactness it will cover, roll down, and mark the next row at a single passage. It is light, strong, durable and handsome. The opening plow is adjustable and placed directly between the wheels, thus insuring an even depth, whether the ground be level or uneven. The hopper revolving with the wheels prevents clogging or choking without the possibility of injuring the seed; the openings, twelve in number, in the hopper are covered by an adjustable spring brass band with corresponding openings so that they may be changed to any size, a hair's breadth at a time if necessary. The seed index is upon the cover, and contains the names of the most important seeds to be sown, to each of which is attached a number, with corresponding numbers on a German silver gauge, which is made with great care and can be relied on. Price, only \$9, boxed.



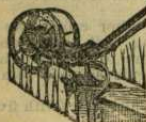
As a Plow.



Hoeing Both Sides.



The "Planet Jr." Combined Drill, Cultivator and Plow.



Hoeing Between Rows.



As a Cultivator.

The "Planet Jr." Double Wheel Hoe, Cultivator and Plow.

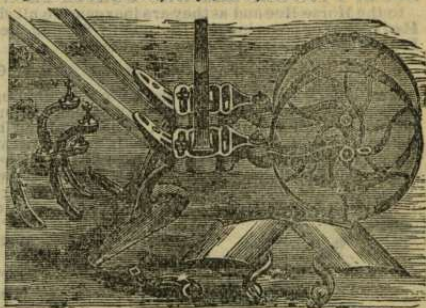
Will do the work of from six to ten men with the common hand hoe among market garden and root crops, nursery stock, etc., and is especially adapted to onion culture. It is light, firm, strong, quickly set and easily managed. Each one is sent out with all the tools shown in the cut; all the blades are tempered and polished steel. Nothing can exceed the perfection and variety of work it performs. The hoes cut from six to sixteen inches wide, and can be used to throw to or from the row, working both sides of the row at once. The four cultivator teeth work beautifully among larger plants, mellowing the soil thoroughly. The plows are useful in weedy crops, in opening furrows and covering, and in hilling large plants. The wheels are adjustable in height, and can be set seven to ten inches apart, or for working between crops as a Single Wheel Hoe at four inches apart. Price, only \$7.25, boxed.

The "Fire Fly" Wheel Garden Plow.

Makes the care of a vegetable garden a pleasure, and 10,000 families who could not find time to keep a garden, if attempting its cultivation with an ordinary hand hoe, can raise their own vegetables successfully with the "Fire Fly." It takes the place of the horse and plow, or cultivator, requiring no wide headlands to turn on, and is invaluable during all the gardening season. The price is reduced to \$2.50.

The Planet Jr. Combined Drill, Wheel Hoe, Cultivator and Plow.

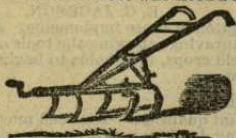
This is the most popular tool we have ever sold. As a drill it is exactly similar and equal to the No. 2, except in size. It holds one quart. As a Plow it opens furrows, covers them, hills, plows to and from, etc. As a Hoe it works safely to and from both sides of the row at once at the critical time when plants are small and weeds abundant, or between rows as plants grow larger, working all rows from eight to sixteen inches wide at one passage. As a Cultivator it is admirably adapted to deep mellowing of the soil. The blades are tempered and polished steel. It has a finely adjusted spring brass seed reservoir, an adjustable plow,—new, permanent seed index, cleaner and marker, all combining to make a perfect tool. It sows all garden seed accurately at the desired thickness or depth, opening, dropping, covering, rolling down and marking the next row all at one passage, in the most reliable and perfect manner. Each machine is sent out with the tools shown in the cut, and by removing the roller and one bolt is ready to be used as a Wheel Hoe, Cultivator or Garden Plow. See cuts showing the machine in five positions. Price, only \$10.50, boxed.



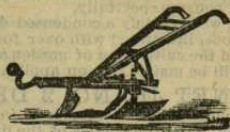
The "Fire-fly" Single Wheel Hoe, Cultivator and Plow Combined.

Combines lightness and strength with the greatest adjustability, while its highly polished and tempered steel tools make gardening comparatively a pleasure. The tools are all made after the most perfect models, and are first, a pair of admirable hoes which can be set to work to and from the row and to any desired depth. Next, a set of three reversible cultivator teeth to be used together, or singly, or in conjunction with the hoes. Third, a large excellent garden plow. The handle is made of stiff iron. and the whole tool is light and strong, attractive in appearance and capable of standing hard usage for years, while the price is its final recommendation. \$4.50, boxed.

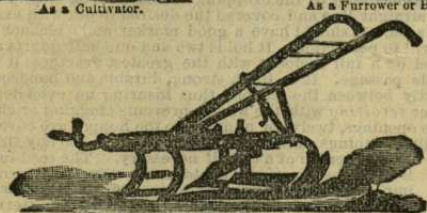
The "Firefly" Double Wheel Hoe—Similar to the "Planet Jr." Double Wheel Hoe, but made more simply with less variety of tools and costing proportionately less, while answering perfectly the wants of those who need a hoe only; price \$5.



As a Cultivator.



As a Furrower or Roller.



"Planet Jr." Horse Hoe, Cultivator, etc., etc.



As a Coverer, with Roller.



As a Coverer, with Leveling and Pulverizing Rake.

The "Planet Jr." Single Wheel Hoe, Cultivator and Plow Combined.

Combines extreme lightness, strength, variety of tools, and great adjustability. It has one pair of long and one pair of short exchangeable hoes, a set of three reversible cultivator teeth, and a steel garden plow. All the blades are tempered and polished steel. The form of the blades insures a forward, slanting cut next to the plant, and consequent close work without danger, and at the same time thorough cultivation of the soil. All rows from six to eighteen inches apart can be perfectly hoed at one passage. The frame allows every desirable adjustment, is quickly raised or lowered to regular depth, and the wheel can be attached centrally or to either side of the machine, giving the operator the important advantage of hoeing both sides of the row at one passage, when desired. Price, \$5.50 boxed.

The "Planet Jr." Hollow Steel Standard Horse Hoe and Cultivator Combined.

No tool which has ever been offered to the American public has so rapidly gained its favor as the "Planet Jr." HOLLOW STEEL STANDARD Horse Hoe and Cultivator combined. All farm crops, none equals it in ease of handling, variety and quality of work done and lightness of draft.

It is made entirely of iron and steel except the handles, and has an expanding frame, which can be closed to five inches or opened to twenty-four, and is provided with such a variety of adjustable teeth as enables it to do all kinds of one horse cultivation.

For all crops that are hoed by hand it is valuable, preceding the hand hoe, and saving three-fourths of the work. For all crops that are hilled, and very few are not, nothing can exceed the perfection and ease with which this tool performs the work, breaking up the soil perfectly, and hilling the crop much or little as desired. "For level culture" so desirable for some soils, it is equally well adapted.

As an opening plow it is invaluable for making furrows for potatoes, corn and all other crops. As a coverer it has no equal for corn, broom corn, potatoes and in fact every kind of covering, as it covers and rolls down the ground at one operation, in ordinary field work, or fits for setting out plants or for using the garden seed drill and wheelhoe. Every complete machine has a set of eight attachments adapted to all kinds of work.

Price complete as above with wheel, \$10; same without wheel, \$9. "Planet Jr." Plain cultivator (with five cultivator teeth) \$6.

EXTRA ATTACHMENTS.

Set of Five One and One-Fourth Inch Cultivator Steels—A very important addition to the Horse Hoe and as they are inexpensive all should have them; per set, 60 cts.

Roller—For covering and thoroughly firming the soil over seed or potatoes; each \$2.

Reversed Rake—For covering; \$1.50.

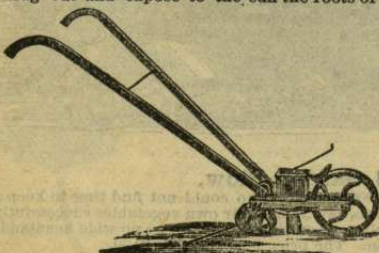
The "Gem" of the Garden Cultivator.

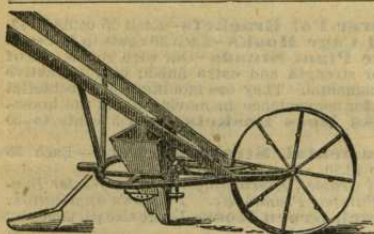
A well-made and thoroughly useful tool, combining a great variety of work for little money. Its working parts are two scuffle hoes, one four and a half and one nine inches wide; two plows, right and left hand; five Cultivator teeth, all of best steel. The wheel and handles of the Gem are adjustable in height, while the frame is so slotted that the hoes, teeth, and plows can be set in almost any position or angle. The scuffling hoe makes a clean cut, and is followed by the teeth—five or less—which thoroughly pulverize the soil, and drag out and expose to the sun the roots of the weeds cut by the hoe. The hoes, of thin steel, presenting nearly a straight line to the work, avoid the "dodging" so common to tools of this kind.

Price complete with both single and double wheel attachments, \$7 each boxed. Price with single wheel only, \$4.50.

Little Gem Seed Drill.

This new drill was designed, and has been perfected, for farmers and small gardeners, who have long felt the need of a low priced, reliable seed drill. The "Little Gem" will make the drill, drop and cover seeds and mark the next row perfectly. We have not tested this machine ourselves, but understand that it is well made by experienced men, and think it will prove a "decided hit" for those who plant vegetables for home use, and whose root-growing is not extensive enough to warrant them in buying a large seed drill. Price \$6, or if taken together with the Single wheel "Gem" Cultivator, \$9.80 for the two machines.





COMSTOCK'S SEED SOWER.

Comstock's Horticultural Implements.

Comstock's Seed Sower—Will give perfect satisfaction in sowing any garden seed from the smallest size up to Peas and beans. It sows Beet, Parsnip and other difficult seeds to sow with the greatest regularity and is especially adapted to sowing Onion seed, either three, four, five or six pounds to the acre. A revolving disk which is held in place by a spring, regulates the quantity of seed sown. It can be changed instantly to sow either thick or thin. Price only \$7.

Comstock's Hand Cultivator and Weeder Combined—In the cultivation of all small drill crops, this will do the work of six men with hoes, and do it with ease. The attachments consist of one full and two half share cultivator teeth and two rakes. It has been thoroughly tested in competition with many other cultivators and came out victor. Examine our cut which shows its manner of working on both sides of the row at once. Price only \$6.

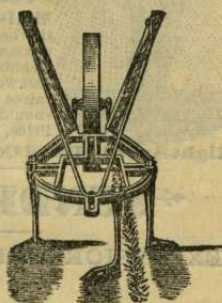
Comstock's Combined Seed Sower, Cultivator and Weeder—This consists of the Seed sower mentioned above, and the attachments which go to make up the cultivator and Weeder, the same frame, wheel and handles being used for both. Price only \$10.

The handles can be taken off, and the machines packed in a small box for safe and cheap transportation. The combined implement weighs about twenty pounds.

These implements are all metal but the handles, light, neat and durable, and will prove to be all claimed for them. Full instructions for using the implements will be sent with every machine.

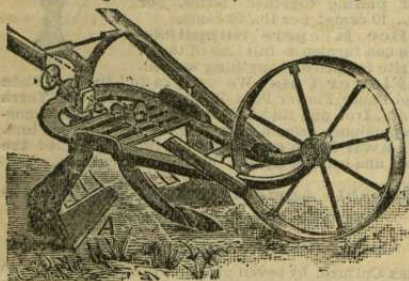
EXTRA ATTACHMENTS.

Hopper and Coverer to make a Seed Sower of a Cultivator.....	\$4.50
Set of two rakes and three teeth to make a Cultivator and Weeder of a Seed Sower.....	3.25
Extra Steel Plates, for replating teeth when worn, each.....	.17
Shovel Plows, the set of three.....	1.50
Scuffle Hoe —This is by far the most important of any of the extra attachments. It thoroughly clears the ground of weeds, and loosens up the soil.....	1.25

**Ruhlman's Wheel Hoe.**

No tool that we have ever sold has given better satisfaction than this. Extremely simple in construction, it is compact, firm, strong and durable, doing to perfection the work for which it is designed. The handles can be raised to suit, knife-blades set to any pitch, and from seven to sixteen inches in width; can be run within half an inch of the row without injury to the plants. One man, with this implement will do more and better work than eight men with common hoes.

It is particularly valuable on hard ground, where it takes hold of the weeds better than most other wheel hoes. Price is \$5.50, but as we have a large number for our trade this season we will make the special price of \$3.90 delivered on cars here.

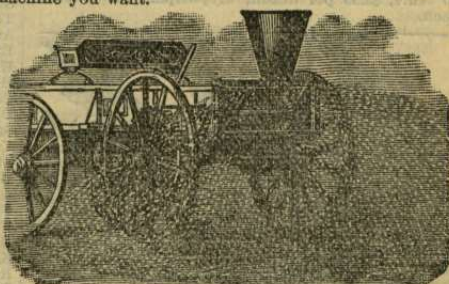
**Improved Strowbridge Broadcast Sower.**

If you desire it we will send you a pamphlet containing testimonials from farmers, dealers and agricultural colleges in all parts of the country, which will thoroughly convince you that the Strowbridge is the only perfect broadcast sower made and just the machine you want.

It sows all grains, Grass Seeds, Plaster, Salt, Ashes, Commercial Fertilizers—everything requiring broadcasting—any quantity per acre, better and faster than any other method. Saves seed by sowing perfectly even, is not affected by wind as the seed is not thrown upwards. Sows half or full cast, on either or both sides of wagon. Readily attached to any wagon or cart without injury and used wherever they can be driven. Lasts a lifetime. Sows eighty acres of wheat per day, crop one-fourth larger than when drilled.

All who have used this seeder speak of it in the highest terms of praise.

If you sow any seed broadcast it will pay you to have one. Write us for a pamphlet describing it and perhaps, if you live at a distance from Des Moines we can help you some on freights, as we want to introduce them into every section of the country. If you want to occupy leisure time with some profitable employment, canvass the sale of these seeders among the farmers of your locality, and we will give you special prices in lots of two or more to be shipped together. Patent of July 7, 1885. Price reduced to \$20.



Monitor Hand Broadcast Seed Sower

Is among the Hand Broadcast Seeders what the Improved Strowbridge is among Power Seeders. With it you can sow all kinds of grain and seeds to your perfect satisfaction. It is a good, substantial and nice little machine, cheap and durable, light itself, and runs lightly and can be used equally well by a man or boy. Price \$4.50.

Centennial Fanning Mills—Pronounced by all, the best in the market. We use several of these mills for cleaning seeds, and they do perfect work. Every farmer who raises grain or grass seeds should have a No. 1 Farm Mill. Price, \$30.

Right Speedy Hand Corn Sheller—Price \$3.

→SUNDRIES.←

EXCELSIOR WEEDING HOOK.

This instrument can be used to great advantage among small and tender plants. It is warranted to give satisfaction when used among rows of seedlings, among ornamental plants, or in any place where absolute freedom from weeds is desired. Price, 25 cents; \$2.25 per dozen; or postpaid for 30 cents each.

Haseltine's Hand Weeder

and Scraper.

The first practical Weeder ever made. One hour's use will repay its cost. In any vegetable or flower garden it is simply indispensable. Its price, 35 cents, prepaid, is not one-tenth its value for one season's use. Blade is solid steel, oil tempered, seven-eighths inch wide, one-eighth inch thick, and has five sharp edges; above cut is one-sixth full size. Price, 30 cents; \$3.25 per dozen; or postpaid for 35 cents each.



Lang's Hand Weeder—Is, in our opinion, the best weeder made. Its special advantage over all other weeders of this class is, that it has a band which passes over the fingers which when the tool is not in use gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. It is neatly and strongly made. Price, 25 cents; \$2.60 per dozen; or postpaid for 30 cents each.



Garden Trowels—Five-inch, each 20 cents; six-inch, each 25 cents.

Flower Pot Brackets—Each 25 cents to \$2.

Bird Cage Hooks—Each 10 cents to 75 cents.

Wire Plant Stands—Our wire stands are of superior strength and extra finish; very attractive and ornamental. They are mounted on substantial castors for convenience in moving about the house.

Swiss Moss Baskets—Each 5 cents to 30 cents.

Ornamental Straw Baskets—Each 35 cents to \$2.50.

Dried Grasses, Everlasting Flowers, Winter Bouquets, Pampas Plumes, etc. Prices on application.

French Green Moss—Large size packages by mail, each 25 cents.

Fancy Wooden Trellises—Light and strong, all sizes for pots and out-door running plants. Each 10 cents to \$2.

Tin Foil—Pound by mail 40 cents.

Wire Designs—For cut flowers. Of these we have a good assortment, which we offer at reasonable prices. Price of any kind of design given on application.

Bowler's Food for Flowers—A fertilizer made especially for plants grown in the house or conservatory; clean, free from offensive odor, largely soluble in water, and producing healthy plants, free from vermin, and early and abundant blossoms to which it imparts a rich and brilliant color. Large sized package for 35 cents; or postpaid for 50 cents.

Scooley's Plant Sprinkler

—(See cut)—The best; indispensable for floral work. Price by mail postpaid \$1.35.

Berry Boxes—We handle the A. W. Wells & Co. fruit boxes, which are the best made. They are put up flat to ship, but are all ready to put together, which can be done very rapidly. Price per 100, 75 cents; 1,000, \$4. Annealed tacks for putting together boxes, per oz., 10 cents; per lb., 90 cents.

Bee Keepers' Supplies—We can furnish a full line of these. Write for price of anything wanted.

Flower Pots—We carry a full line of Plain and Fancy Flower Pots, Hanging Baskets, and Terra Cotta, Iron and Rustic Lawn Vases, and request correspondence from all desiring anything in this line.

Lawn Mowers—We can furnish any of the best and leading styles. Write for circulars.



Valuable Agricultural Books for Sale by the Iowa Seed Company.

MAILED POSTPAID ON RECEIPT OF PRICE.

Flax Culture; by seven practical growers.....	\$ 30
Fitz's Sweet Potato Culture.....	40
Gregory on Squashes	30
Henderson's Gardening for Profit	1 50
Henderson's Gardening for Pleasure	1 50
Onions; How to Raise them Profitably.....	20
Roe's Play and Profit in my Garden	1 50
Silos and Ensilage	50
Tobacco Culture; by fourteen cultivators.....	25
American Rose Culturist.....	30
Every Woman Her Own Flower Gardener.....	1 00
Henderson's Practical Floriculture.....	1 50
Henderson's Hand Book of Plants.....	3 00
Coburn's Swine Husbandry	1 75
Dadd's American Cattle Doctor; 8vo. cloth.....	2 50
Stewart's Shepherd Manual	1 50
Youatt and Martin on the Hog	1 00
Stoddard's, An Egg Farm; paper 50c.; cloth.....	75
Wright's Practical Poultry Keeper	2 00
Arnold's American Dairying.....	1 50
Fisher's Grain Tables.....	40
Fuller's Forest Tree Culturist.....	1 00
How to be Your Own Lawyer.....	1 50
King's Bee Keeper's Text Book; cloth.....	1 00
Root's A, B, C of Bee Culture.....	1 25
The Dog; Varieties and Management.....	50
The Scientific Angler	1 50
Warder's Hedges and Evergreens.....	1 50
Waring's Draining for Profit and Health.....	1 50
Willard's Practical Butter Book.....	1 00

SUGGESTIONS TO CUSTOMERS.

Order Early—Because your orders are sure to be promptly filled and we are sure to have what you want, which might not be the case late in the season, and you will be ready for planting when good weather comes.

Charges Prepaid—All seeds and plants, except those noted, are sent *prepaid* by mail or express, unless ordered otherwise, and we guarantee their safe arrival.

Shipping Directions—In ordering please state whether it will be convenient for you to receive your goods by express and if so name your nearest express office, as all orders weighing two pounds and upwards, will be forwarded by express if possible.

Send Money With Order—As we keep no book accounts in our mail order department and the expense of sending goods C. O. D. is quite large.

Testing—All seeds are carefully tested and nothing sent out which we do not believe to be good in every respect.

Guaranteed—We guarantee the safe arrival of any goods which we send out. That your order will be filled promptly and well. We will be responsible that all money sent by bank draft, money order or registered letter will reach us. When the order amounts to \$2 or over, the expense of sending money may be deducted from amount sent. Postage stamps (one cent and two cent preferred) taken same as money.

Discounts—On all seeds in *packets* amounting to \$1 or over, 20 per cent. For other discounts see heading of the respective classes of goods. Each year we put up a great many packets of seeds for free distribution among our customers by adding liberally of them to every order.

To Market Gardeners and other large purchasers we shall be pleased to send our *special prices* on application.

Our Responsibility—As this book will probably go into the hands of many who are unacquainted with us, this question will naturally arise, and in answer to the same we respectfully refer you by permission to the Valley National Bank, of this city.

Respectfully soliciting your orders and correspondence, we remain,

H. C. WINDSOR, }
M. L. PAGE. }

Yours, Very Truly,

IOWA SEED COMPANY.

1887.—OUR PREMIUM LIST.—1887.

At the Iowa State Fair held at Des Moines last September, there was a grand display of vegetables from all parts of the State and about one-half of the space was taken up by exhibits grown from our seeds. This year we want to still increase our display, and to do so, as well as to encourage our customers, in using only our Choice Iowa Seeds and as an incentive to high culture, we have decided to offer **\$100 in special premiums**, besides the large sum offered by the State Fair Association.

The secretary of the State Fair has kindly offered to give us a good space for exhibiting these in the Vegetable Hall and there will be competent judges appointed to award the premiums.

Conditions of Competition—1st. Competition is open to all who buy seeds of us of the varieties upon which they compete for the prize. 2nd. All specimens for competition must be correctly labeled with growers name and address, and delivered, *all transportation charges prepaid*, at our store, on or before the time specified, and all of the vegetables so sent for exhibition are to become our property. 3rd. Each competitor to make a written statement of his method of cultivation. 4th.—Prizes offered for the largest crops raised will be awarded on the *sworn statements*, by two reliable witnesses.

All cash premiums are to be paid as soon as awards are made. The following must arrive here in time to be placed on exhibition the first day of State Fair.

	PRIZE.
Largest and Best New Kinver Yellow Globe Mangel.....	\$10.00
“ “ Chase's Excelsior Cabbage.....	10.00
“ “ Mammoth Iron Clad Watermelon.....	10.00
“ “ King of Mammoths Pumpkin.....	10.00
“ “ Mammoth Chili Squash.....	10.00
“ “ Six Mammoth Silver King Onions.....	5.00
“ “ Six Ruby King Peppers.....	5.00
“ “ Six New Cardinal Tomatoes.....	5.00

Largest yield from one peck of Bonanza Potatoes, one-half bushel to be sent to Fair, as a sample for exhibition..... 15.00

Largest yield from one peck Profit Corn, one-half bushel to be sent to Fair as a sample for exhibition. 10.00

SPECIAL. For Largest Mammoth Chili Squash to be sent us at any time before November 1st..... 10.00

In next spring's catalogue we will publish a list of successful competitors.

CHILDREN'S DAY.

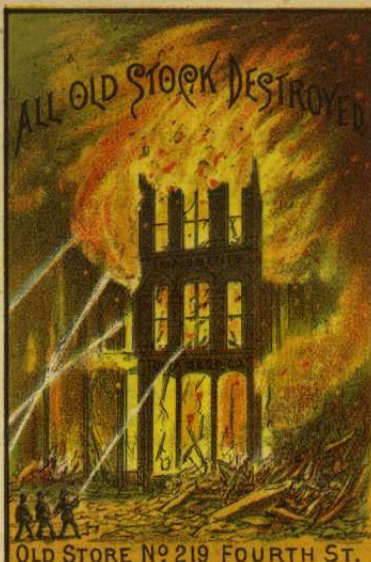
We have established the first Saturday in April as "Children's Day" at our store, and on this day, every boy or girl under twelve years of age, who comes to our store, will be presented with a packet of choice flower seeds. We are seeking to encourage the little ones in the culture of flowers, and last spring we felt amply repaid for our expense and trouble, when upwards of *Four Thousand* bright and smiling faces presented themselves, and we had the privilege of seeing each made happy by so small a gift.

We want to make this more general and while we cannot afford to send them out free throughout the country, and pay our own postage, we will make the following liberal offer, to all children under twelve years of age who order seeds of us, to encourage them in making gardens. All vegetable or flower seed listed in catalogue at five cents per packet, we will sell to them at four cents, or when their order amounts to \$1 or more, at three and one-half cents each. All listed at ten cents, at eight cents each, and with each order we will put in one packet of flower seeds extra as a Children's Day gift. Or if you desire it we will send you our *Children's Day Package* which contains an assortment of twelve packets of choice flower seeds, of easy culture for *thirty-five cents*.

We will also make the same prices to teachers of public schools.

NOTICE.

To avoid mistakes we hereby inform you that C. W. Dorr is not, and has not been connected with our business since October 16th, 1885. Please address all mail plainly to the Iowa Seed Co., Des Moines, Iowa.



OLD STORE No 219 FOURTH ST.



NEW STORE, 809 WALNUT ST.

SPLENDID 1887. NOVELTY (SEE DISCRPTION.)



PAGE'S NEW STRIPED RICE POP CORN.



MAGNIFICENT NOVELTY.

BONANZA

MOST PRODUCTIVE.

SUPERIOR QUALITY.

WITH ORDINARY CULTURE LAST YEAR THE BONANZA PRODUCED ALMOST THREE TIMES AS MUCH AS COMMON KINDS.