

DORR'S

IOWA

SEEDS

1882

1881



1882 The Iowa State Register. 1882

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THE AGRICULTURAL DEPARTMENT.—Is edited by our Mr. C. F. Clarkson an IOWA farmer with 27 years experience on an IOWA farm and his articles are always seasonable, making it confessedly, the best agricultural paper in the Northwest. All other departments are complete, making it the best family News paper published.

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CLARKSON BROS., Des Moines, Iowa.

The Iowa Homestead.

The HOMESTEAD MANUAL is a work of two hundred pages devoted to the interests of farmers, and their families. Much valuable information can be found within its covers. It is given to all subscribers of the IOWA HOMESTEAD, and right here we would say that the IOWA HOMESTEAD is one of the best agricultural papers published in the United States, and that it meets the requirements of our Iowa farmers better than any of the papers of that class published outside of the State.—*Stuart Locomotive.*

THE BEST IN THE COUNTRY.

(From The Davenport Gazette)

It is gratifying to be able to commend to the farmers of Iowa, a journal published in their own State which meets every requirement for their needs in an agricultural periodical. The Iowa HOMESTEAD, published at Des Moines by B. F. Gue, is such an one. It is the equal, in its line of the very best farmer's paper published in the country. It is edited with rare ability and is the bold defender of the farmer's rights against the barb wire monopoly and the outrage of 'protection.' It is in every way a worthy publication.

OUR GREAT NEWSPAPER PREMIUMS.

To give new customers an idea of the superior quality of **Dorr's Iowa Seeds** I have arranged this most liberal Premium Package, which contains a well filled packet of each of the following desirable varieties of vegetable seeds, Colossal Asparagus, New Golden Wax Beans, Dewing's Blood Turnip Beet, Long Orange Carrot, Early Winningstadt and Excelsior Late Dutch Cabbage, New Half Dwarf Celery, Extra Early Des Moines and Egyptian Sweet Corn, Boston Market Cucumber, Prize Head Lettuce, Cuban Queen and Excelsior Watermelon, Bay View Muskmelon, White English Mustard, Long Sugar Parsnip, Little Gem Peas, Long Scarlet Radish, Silver Skin Onion, Savoy Spinach, Little Cocoanut and Boston Marrow Squash, Livingston's Perfection Tomato, White Egg Turnip, (two dozen.) For \$2.00 I will send, post-paid, all the above seeds, and either the *State Register* or *Iowa Homestead* for one year. I feel perfectly safe in saying that this is the best and most liberal newspaper offer made. It is a special inducement for customers to give **Dorr's Iowa Seeds** a trial, and obtain a first class paper at a trifling cost. Our old customers may also avail themselves of the offer, but we can only send one premium package to one address. Talk this up to your neighbors, and send in your orders as early as convenient.

C. W. DORR, Seed Grower, Des Moines, Iowa.

OFFICE OF DORR'S IOWA SEED STORE, *Des Moines, December, 1881.*

TO THE PUBLIC:—The past year, in many respects, has been a remarkable one in our history as a nation, and will long be remembered with exceeding joy and excessive sorrow. Not only has the continued revival of prosperity been realized throughout the land, but just in its very zenith, we have been bathed in the deepest sorrow, by the unparalleled tragedy at our National Capital, which not only stunned proud America, but paralyzed the entire civilized world:

In the aggregate most crops have suffered by a series of climatic causes: prices of all farm produce have fluctuated in a wide range. Seed crops have not escaped and in many instances are very light.

I present to your notice in the following pages a select list of the choicest and most approved varieties of vegetable, field and flower seeds, of both foreign and domestic origin which have been proven to be suitable to the climate of the United States.

Believing low prices would better subserve the interests of our customers than an expensive elaborate catalogue they have been given the benefit of such judgment,

Shopping by Mail—Since the seedsmen first inaugurated the system of shopping by mail, it has become exceedingly popular in many other commercial branches of business. The advantages to the buyer are great, especially in the seed business. Practically it places a seed store at every postoffice in the world; on receiving the seed catalogues, they can be carefully read at home and a selection of seeds made, much better, than hurriedly in a crowded store in the spring.

I Claim—That my seeds are fresh and reliable. That with proper treatment, the climate and soil being in a proper condition, they will grow. That prices are as low as good, fresh seeds can be sold for. That my business is conducted in an honorable and business-like manner.

All seeds are carefully tested, and nothing sold that does not prove to be perfectly good.

Nothing is substituted except in cases where a variety is entirely sold, and having another of equal or better quality than that ordered, the substitution can make no material difference to the purchaser.

No seeds are sold on commission.

I Will be Responsible—That all money sent by Registered Letter, Post Money Order, or Bank Draft will reach me. The expense of sending money in this manner may in all cases, where the order amounts to two dollars or upward, be deducted from the amount sent. Small amounts may be sent in stamps when more convenient. *Do not moisten them in the least*, but place them safely in a sealed letter. Do not send private checks, as they have to be returned for collection.

That all seeds sent out by me will reach the purchaser.

From the fact that the success of the crop depends on so many contingencies entirely beyond the control of the seed grower, to warrant seeds to invariably produce a perfect crop would be rank quackery, and while I exercise the greatest possible care to have everything strictly reliable and perfectly satisfactory in every particular, yet I cannot warrant the same and am not liable or responsible for any loss or damage arising from any seeds sold by me.

Order Early—So that the orders can be filled before the stock is broken.

Write Plainly—And observe the following rules in making out your orders. Do not mix orders in the body of letters. Be particular to sign your name and full P. O. address no matter how often you write. We receive many orders with no name or address, and of course the customer blames us for not sending the seeds, when the fact is, we have no means of finding out who ordered them. Carry out the price of each article on the order. When perishable goods are ordered before the proper season for forwarding, they will be sent without further writing, as soon as practicable.

Terms—Cash must accompany all orders. No goods sent C. O. D.

Am I Responsible—A great many people hesitate to send money away, fearing it will be lost; and in order that any such may feel fully satisfied that they will receive the seeds ordered, I would respectfully refer them to the Post Master, Agents of the American or United States Express Companies, to any banker, editor or large business house in the city.

TO MY CUSTOMERS:


In again handing you my list of seeds for another season, it is fitting that I should extend my thanks for the greatly increased orders which have been received during this year, which is just closing.

I trust our seeds have been found satisfactory, and that I shall continue to merit your increased patronage. Again thanking you, one and all, I wish you a **HAPPY NEW YEAR.**

C. W. DORR, Seed Grower,

Des Moines, Iowa.

VEGETABLE SEEDS.

 All vegetable seeds are sent by mail or express to any address, *charges prepaid through by us*, at prices named, except Peas, Beans, and Corn in larger quantities than packets, which are sent by express or freight at the expense of the purchaser, unless 25 cents per quart, for Beans and Peas, and 20 cents for Corn, is added to prepaid postage.

DISCOUNTS—All five cent packets, 50 cents per full dozen. All 10 cent packets 1.00 per full dozen. On all orders for vegetable seeds (except packets at the dozen rate) amounting to \$5.00 and not exceeding \$10.00, 5 per cent. On orders amounting to \$10.00 and not exceeding \$25.00, 10 per cent. Write for special discounts on larger orders than \$25.00, sending list of seeds wanted.

COLLECTIONS OF VEGETABLE SEEDS.

If you have a garden and do not know just which varieties to select, and will send us the amount of money you wish to spend, we will make the best selections for your locality, and guarantee a liberal quantity of seeds.

The Very Best Offer of the Season.

The *Homestead* one year for a premium.

DORR'S "HOMESTEAD PREMIUM SEED PACKAGE" FOR 1882.

The most popular, liberal and best. A year's supply of the choicest seeds for the vegetable garden, containing many of the most popular and valuable novelties of the season, at a nominal cost. To give new customers an idea of the superior quality of **Dorr's Iowa Seeds** I have arranged this most liberal Premium Package, which contains a packet of each of the following desirable varieties of vegetable seeds: Colossal Asparagus, New Golden Wax Beans, Dewing's Blood Turnip Beet, Long Orange Carrot, Early Winningstuddt, and Excelsior Large Flat Dutch Cabbage, New Half Dwarf Celery, Extra Early Des Moines, and New Egyptian Sweet Corn, Boston Market Cucumber, Prize Head Lettuce, Cuban Queen and Excelsior Watermelon, Bay View Muskmelon, White English Mustard, Long Sugar Parsnip, Little Gem Pea, Long Scarlet Radish, Silver Skin Onion, Savoy Spinach, Little Cocoanut and Boston Marrow Squash, Livingston's Perfection Tomato, White Egg Turnip, (two dozen). For \$2.00 I will send, post-paid, all the above seeds, The *Iowa Homestead* for one year, the best agricultural weekly in the West, which will tell you all about Iowa and the Northwest, and a copy of the valuable *Farm, Garden and Household Manual*. This Manual is more complete and valuable than many sold for \$5.00, and is published and offered *only* as a premium to *new* subscribers for the *Homestead*. It is worth more than the price of the entire package. All the above for only \$2.00. Send at once to

C. W. DORR, Seed Grower, Des Moines, Iowa.

IOWA STATE AGRICULTURAL COLLEGE,
Office of Professor of Horticulture and Forestry, }
AMES, IOWA, DEC. 7. }

C. W. DORR:

My Dear Sir:

The seeds we got of you all grew well, and proved true to name without a single exception.

Yours with Respect,

J. L. BUDD.

ARTICHOKE.

Plant early in Spring, in deep, rich, sandy loam. Following Spring transplant to permanent beds in rows three feet apart and two feet in the row. They mature the second year. Must be protected in winter. The edible portion is the undeveloped flower head, which is only fit for use before it begins to bloom. It is eaten both raw and boiled, and by epicures is considered quite a luxury.

French Green Globe—Per packet, 5c, ounce, 25c.

ASPARAGUS.

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. The ground should be trenched or dug over, two feet deep, burying plenty of manure, decayed leaves, or leaf mold, mixing it thoroughly with the soil. Lay out the beds four and one-half feet wide, and draw three drills fourteen inches apart and six inches deep, lengthwise of each bed; place the roots in them a foot apart, in their *natural position*, and cover four inches deep. A rich, sandy loam is most suitable. Every Autumn, after clearing off the stalks, spread on a covering of manure, to be forked in with a good dressing of fine salt, very early in the Spring. A new bed should not be cut over before the third year.

Conover's Colossal—An improved variety of extra large size, tender and productive. Per packet 5c, oz 10c, $\frac{1}{2}$ lb 20c, lb 60c.

Conover's Colossal Boots—See miscellaneous articles.

BEANS—Dwarf or Bush Varieties.

Dwarf or Bush Beans require no support, and may be planted in hills or drills, the latter way being preferred. Make the drills an inch and a half deep, and drop the bean 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, as it tends to make them rust. A sandy loam is most desirable.

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

PER PACKET, TEN CENTS, EXCEPT WHERE NOTED. POST PAID.

Early Valentine—Early and productive. One of the very best, Per q't 25c, p'k \$1.50, bush. \$5.00.

Early China Red-Eye—Early, great bearer; string or shell. Per q't 25c, p'k 1.50, bush. 5.00.

Early Rachel—Early, desirable for string or shelling. Per q't 25c, p'k 1.50, bush. 5.00.

Early Yellow Six-Weeks—Early and prolific. Per q't 25c, p'k 1.50, bush. 5.00.

Early Refugee—One of the best for pickling; hardy, productive, fine quality. Per q't 25c, p'k 1.50, bush. 5.00.

Large White Kidney, or Royal Dwarf—Excellent. Per q't 25c, p'k 1.50, bush. 5.00.

Large White Marrowfat—Fine shelled, green or dry. Per q't 25c, p'k 1.50, bush. 5.00.

White Wax—Pods waxy yellow, stringless and very tender. q't 40c, p'k 2.50, bush. 9.00.

Black Wax—Pods fleshy, waxy yellow; tender and stringless. Per q't 40c, p'k 2.50, bush. 9.00.

New Golden Wax—Very superior, early, beautiful golden yellow, entirely stringless. Per q't 40c, p'k 2.50, bush. 9.00.

Crystal White Wax—New and decidedly fine. It is entirely stringless, pods waxy and transparent, remaining tender a long time; quality very fine. In packets only, 15 cents.

Jones' Ivory Pod Wax—In many respects one of the best wax beans yet introduced, especially valuable for gardeners; ten days earlier than Black Wax; beautiful long, ivory colored pods, stringless and brittle, being exceedingly handsome and of a rich, creamy flavor. Per q't, 40 cents.

Dwarf Horticultural—To many tastes there is no bean equal to the old London Horticultural pole. In this dwarf we have the advantage of the excellent quality of the pole variety, and the convenience of cultivating a dwarf sort. Q't 40c, p'k 2.50.

Pole or Running Varieties.

These are more tender and require rather more care and culture than the Bush Beans; they 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 the feet or roller.

PER PACKET, TEN CENTS. POST PAID.

Horticultural—Productive, fine for Snap Beans or shelled; q't 30c, p'k 2.25, bush. 8.00.

Giant Wax--Pods waxy yellow, tender, good Snap Bean; q't 50 cents.

Large White Lima--None equal this as a shelled bean; q't 50c, p'k 3.50, bush. 12.00.

Dreer's Improved Lima--Very productive; superior quality; nearly as large as the

Large Lima; remaining green a long time; q't 50, p'k 3.50.

White Dutch Case Knife--Matures in 60 days; pods long and flat; beans kidney-shaped, excellent quality; q't 35c, p'k 2.50, bush. 9.00.

Scarlet Runner--A favorite Snap Bean in Europe; valuable for table use or as an ornamental vine; q't, 35c.

BEETS.

Beets are an important crop with market gardeners; they succeed best in deep, rich, sandy loam. Early varieties should be sown as early as the ground can be worked, and for a succession every two weeks to first of July. For winter crop, sow in May. Seed germinates quicker if soaked in warm water six hours, but care should be taken not to plant soaked seed in very dry ground, as it is liable to die.

PER PACKET, FIVE CENTS.

Egyptian Dark Red Turnip--Very earliest; deep red, tender and delicious; superior for marketing.

Ounce 15c, $\frac{1}{2}$ lb 40c, lb \$1.50.

Extra Early Bassano--Early; turnip shape, flesh white, circled with rose color; tender and juicy, keeps well when sown late; oz 10c, $\frac{1}{2}$ lb 25c, lb 60c.

Bastian's Extra Early Red--Turnip-shaped, quick growth, large size, bright red color; ounce 10c $\frac{1}{2}$ lb 30c, lb 1.00.

Dewing's Improved Blood Turnip--Roots deep blood red, of fine form and flavor; Very early; an excellent market variety; oz 10c, $\frac{1}{2}$ lb 25c lb 60c.

Early Blood Turnip--The standard early sort; good for winter; oz 10c, $\frac{1}{2}$ lb 25c, lb 60c.

Extra Long Dark Blood--Standard winter, smooth, tender and sweet; oz 10c, $\frac{1}{2}$ lb 25c lb 60c.

Swiss Chard--For greens only; oz 10c, $\frac{1}{2}$ lb 25c, lb 75c.

Beets and Mangles for Feeding Stock.

Sow 4 to 6 pounds of seed to the acre, in rows 30 inches apart on good, rich soil which should be plowed very deep. Thin to 8 inches in the row. For winter store in pits or cellars as soon as frost occurs.

If farmers better knew the real value of root crops for stock food, they would certainly pay more attention to this branch of farming. Mangle Wurtzles produce abundant crops with ordinary culture, and cannot be too highly recommended.

Long Red Mangle--Standard sort, grows mostly above ground; oz 10c, $\frac{1}{2}$ lb 20c, lb 50c.

Mammoth Long Red--A late introduction of extra large size; oz 10c, $\frac{1}{2}$ lb 25c, lb 60c.

Carter's Orange Globe--The best of the Yellow Globe varieties; oz 10c, $\frac{1}{2}$ lb 25c, lb 60 cents.

Red Globe--Same as yellow, except color; oz 10c, $\frac{1}{2}$ lb 25c, lb 60 c.

Lane's Imperial Sugar--Very productive and sweet; oz 10c, $\frac{1}{2}$ lb 25c, lb 60c.

Silesian, or White French Sugar--Excellent cropper; very sweet; oz 10c, $\frac{1}{2}$ lb 20c, lb 50c.

Norbiton Giant--A new and very superior long red mangle; oz 10c, $\frac{1}{2}$ lb 25c, lb 60c.

Red Ovoid--Large oval shape; oz 10c, $\frac{1}{2}$ lb 25c, lb 60c.

BROCCOLI.

Growth and habit like the Cauliflower, except that the heads are not as compact. Use and cultivation same as Cauliflower.

PER PACKET, FIVE CENTS.

Early Purple Cape—A popular sort; heads well and is very hardy; oz 40c.

Carter's Summer—Very early; well suited to this climate; oz 40c.

Covent Garden—One of the very best; oz 40c.

BRUSSELS SPROUTS.

Of the Caobage family, producing numerous small heads on the stem, as well as a cabbage like head at the top. These small heads are very tender and of fine flavor in the fall after frost. May be stored in the cellar for winter. Use and cultivation same as winter cabbage. Per packet, five cents, ounce 25 cents.

CABBAGE.

Sow early sorts in hot-beds in February and 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 4 inches high, transplant into *richly manured* ground; the early kinds 2 feet apart, the fall and winter varieties 3 feet apart. The ground should be *deeply loosened and worked thoroughly and often* to produce solid heads.

For Winter and Spring use lift the plants before severe frost sets in. Select the driest and most sheltered part of the garden, and bury the roots, stump and a portion of the head in the ground, and when the weather is severe cover with straw and a light covering of earth. The crop of seed is very short this year.

Our prices are as low as FIRST CLASS seed can be sold for, and our stock must not be confounded with low priced seed. Realizing the importance of the cabbage crop to the gardeners, we spare neither pains nor money to supply them seed of the highest quality.

PER PACKET, FIVE CENTS, EXCEPT WHERE NOTED.

Extra Early York—A well known and old favorite variety; oz 15c, $\frac{1}{4}$ lb 40c, lb 1.50.

Early Large York—Little larger and later. Endures the heat well; oz 15c, $\frac{1}{4}$ lb 40c, lb 1.50.



Jersey Wakefield—The great favorite with market gardeners, the earliest and sure to head. The very best early cabbage grown for the family garden. Our stock is extra choice; pkt 10c, oz 50c, $\frac{1}{4}$ lb 1.75, lb 6.00.

Winningstadt—Cone shaped, one of the best Summer sorts; if sown late, good for Fall and even Winter; a sure header and good keeper; oz 25c, $\frac{1}{4}$ lb 80c, lb 2.75.

Early Wyman—Allied to the Jersey Wakefield, much larger, but not quite so early fine quality; highly valued by market gardeners; pkt 10c, oz 30c, $\frac{1}{4}$ lb 1.10, lb 4.00.

Newark Early Flat Dutch—A well known and valued second early. Heads large and solid; pkt 10c, oz 40c, $\frac{1}{4}$ lb 1.25, lb 4.00.

Early Drumhead—Solid heading; early fall sort; pkt 10c, oz 40c, $\frac{1}{4}$ lb 1.25, lb 4.00.



Fottler's Improved Brunswick—Superior second early sort; heads large and solid; an excellent keeper; makes a good winter sort sown late; pkt 10c, oz 30c, $\frac{1}{4}$ lb 1.10, lb 4.00.

Early Sugar Loaf—For the north, this is a superior sort, but will not stand the heat of the south. Heads medium size, conical shape. Bluish green color, quite showy; oz 20c, $\frac{1}{4}$ lb 60c, lb 1.75.



Henderson's Early Summer—A superior variety of recent introduction. Ten days later than Wakefield and much larger. **FIRST CLASS**; try it; pkt 10c, oz 60c, $\frac{1}{4}$ lb 2.25, lb 8.00.

French Oxheart—Early, heads close and solid; oz 15c, $\frac{1}{4}$ lb 50c, lb 1.50.

Excelsior Premium Flat Dutch—Without doubt the finest Winter Cabbage grown. From Extra selected stock; oz 25c, $\frac{1}{4}$ lb 80c, lb 3.00.

Large Late American Drumhead—Superior Fall and Winter sort; large size; solid; fine quality; similar to last; oz 25c, $\frac{1}{4}$ lb 80c, lb 3.00.

Stone Mason Drumhead—Very reliable; compact heading, Fall and Winter variety. Highly prized by gardeners; pkt 10c, oz 40c, $\frac{1}{4}$ lb 1.25, lb 4.00.

Marblehead Mammoth—Largest of all; under high cultivation heads compact, good quality; pkt 10c, oz 40c, $\frac{1}{4}$ lb 1.25, lb 4.00.

Perfection Drumhead Savoy—Heads large and very finely curled; very compact; short stalk. Finest Savoy in cultivation; pkt 10c, oz 30c, $\frac{1}{4}$ lb 1.10, lb 4.00.

Fine Red Pickling—Deep red color; medium size, solid; oz 20c, $\frac{1}{4}$ lb 75c.



Chase's Excelsior—It is with pleasure we offer this magnificent new Cabbage now for the first time. It is medium early following Henderson's Early Summer in close succession. In appearance it closely resembles Fottler's Brunswick; but is much larger. Unexcelled and hardly equaled for sure solid heading. *Never cracks.* Planted the last of July one of the best late varieties. Market gardeners will find it an acquisition of decided value; pkt 15c, oz 75c, Cabbage Plants—See list of Vegetable Plants.

CARROT.

A light, sandy loam, deeply tilled is best. For early crops sow in Spring soon as the ground can be worked, in rows 15 inches apart, covering $\frac{1}{4}$ inch. For field culture rows should be of sufficient distance to admit of the use of a horse cultivator. Sow seed in May.

PER PACKET, FIVE CENTS.

Early French Forcing—The earliest variety valuable for forcing; oz 10c, $\frac{1}{4}$ lb 35c, lb 1.25.

Early Horn—Favorite sort, much esteemed for summer use; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Half Long Stump Rooted—Second early; great value to gardeners; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Danvers—A new and promising sort; rich orange color; very smooth; midway between Long Orange and Short Horn; oz 15c, $\frac{1}{4}$ lb 40c, lb 1.50.

Improved Long Orange—The standard sort for field culture, also desirable for table use.

Our stock is extra fine, being the result of careful selection for a series of years. It now produces very large, fine grained and even roots, rich orange color, fine flavor. Dairymen who feed these carrots will have little need of artificial butter colors; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Large White Belgian—Very productive; grown for stock for which it is highly recommended; oz 10c, $\frac{1}{4}$ lb 25c, lb 70c.

Altringham—A large and fine flavored red sort; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

CAULIFLOWER.

Cultivate same as Cabbage. Extra culture and work will amply repay. Cauliflower requires an abundance of water.

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| <p>Erfurt Earliest Dwarf—Early; one of the best for forcing; pkt 25c, oz 5.00.</p> <p>Early Favorite—A new and exceedingly fine first class, early sort. Very sure to head; pkt 25c, oz 5.00.</p> <p>Early Paris—Large fine heads; very popular; pkt 15c, oz 1.00.</p> | <p>Early London—A well known and valuable variety; pkt 10c, oz 75c.</p> <p>Lenormands—Large; well formed heads. Best late sort; pkt 15c, oz 1.25.</p> <p>Early Snowball—Early. Superior. Sure to head; pkt 25c, oz 5.00.</p> <p>Cauliflower Plants—See list of vegetable Plants.</p> |
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CELERY.

Sow seed in open ground, in light, sandy soil, in April, and thoroughly firm the soil; keep shaded, moist and clean of weeds. Clip the tops two or three times, to make the plants stalky, before transplanting, which should be done in July, in trenches eight inches deep and 3 feet apart for dwarf and 4 for fall varieties. Cultivate often for 2 months when it will be time to commence "earthing up", which should be done by degrees as the plants grow, being careful not to allow the soil to get into the center of the plants. Store in trenches in well dried, open ground, 12 inches wide and of sufficient depth so the tops of the celery will be six inches above the surface which must slope to carry off the surface water. Set plants closely together in an upright position. On the approach of severe cold weather, cover gradually (to prevent heating) with hay or leaves, and boards to keep out moisture. The stalks will branch perfectly and may be taken out any time during the Winter.

PER PACKET FIVE CENTS, EXCEPT WHERE NOTED.

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| <p>Henderson's Half Dwarf—Popular market sort; close habit; solid, crisp and tender. oz 25c, $\frac{1}{4}$lb 75c.</p> <p>Sandringham Dwarf White—Very popular, excellent quality; oz 25c, $\frac{1}{4}$lb 75c.</p> <p>Large White Solid—Large size, solid and crisp; oz 25c, $\frac{1}{4}$lb 75c.</p> <p>Boston Market—Dwarf white; excellent quality; well known; pkt 10c, oz 50c, $\frac{1}{4}$lb 1.75.</p> <p>Golden Dwarf—A new variety of decided merit. When blanched the heart is of a rich, golden color; excellent quality; good keeper; pkt 10c, oz 60c, $\frac{1}{4}$lb 1.75.</p> | <p>Turner's Dwarf White—Stiff, close habit, crisp and juicy; oz 20c, $\frac{1}{4}$lb 60c.</p> <p>Laing's Mammoth Red—Very large; perfectly solid; oz 25c, $\frac{1}{4}$lb 75c.</p> <p>Sealey's Leyriathan—Large white; solid, fine flavor; oz 25c, $\frac{1}{4}$lb 75c.</p> <p>Seymour's Superb White—Very popular English sort; oz 20c, $\frac{1}{4}$lb 60c.</p> <p>Celeriac, or Turnip Rooted Celery—oz 20c, $\frac{1}{4}$lb 60c.</p> <p>Celery Seed—For flavoring, per lb, 50c.</p> <p>Celery Plants—See list of vegetable plants.</p> |
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CHICORY, (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 packet, five cents, ounce 10c, $\frac{1}{4}$ lb, 30c.

CHERVIL, (Curled.)

Leaves used in soups and salads. Cultivate like Parsley. Per packet five cent, oz 20c.

COLLARDS, (Georgia.)

Sow seed in May; transplant and treat as cabbage. Per packet, 5 cents, oz 15 cents.

CORN SALAD or FETTICUS.

A delicious winter salad. Sow early in September in drills quarter of an inch deep and 6 inches apart. Just before cold weather cover with straw or leaves. Per packet 5c, oz 10c, $\frac{1}{4}$ lb 25c.

CORN--Sweet.

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

PER PACKET, TEN CENTS, POSTPAID.



NEW AMBER CREAM.

Early Minnesota—Early, excellent, ears large very uniform; q't 15c, p'k \$1.00, bush. \$3.50.

Crosby's Early Sweet—Little later than above; sweet and fine; q't 15c, p'k 1.00,

Moore's Early Concord—Large well-filled ears, highly prized; q't 15c, p'k 1.00, bush. 3.50.

Early Des Moines—A superb variety, which has been grown and improved by the gardeners in this vicinity for many years. Among the earliest; good sized ears, delicious flavor; very prolific—second to none for first early; q't 30c, p'k 2.00, bush. 6.00.

Egyptian—This magnificent new variety is deserving of the highest praise, which it receives from all who have tested it—in fact another year's experience with it has thoroughly convinced us that it is the *best* late sweet corn in the market. It grows to a good height; is very prolific; quality the very highest, unsurpassed for sweetness; q't 25c, p'k 1.50, bush. 5.00.

Extra Early Tom Thumb—This is a very early eight-rowed variety, producing ears of fair size, kernel large, white and sweet. Stalks grow three or four feet high, with two or three ears on the stalk. In very careful and complete tests with other extra early varieties it has proven itself the earliest. It is very sweet and tender, resembling the Crosby or Eveagreen in flavor. This superiority in sweetness over other extra earlies, and its extreme earliness make it the most valuable sort in cultivation for Market Gardeners. The stock we offer has been selected and grown with great care; q't 30c, p'k 2.00, bush. 6.00.

New England Sugar—A popular variety; fine quality; q't 15c, p'k 1.00, bush. 3.50.

Early Eight Rowed Sweet—An excellent variety; q't 15c, p'k 1.00, bush. 3.50.

Stowell's Improved Evergreen—Very large, sixteen rowed, deep kerneled and sugary, remaining a long time in a fit condition for boiling; one of the best for general purposes; q't 20c, p'k 1.00, bush. 3.50.

Pop Corn—Very fine rice; q't 30c, p'k 2.00.

Mammoth—The largest of all varieties; late; fine quality, large yielder; q't 25c, p'k 1.50 bush. 5.00.

Early Adams—Very early and productive; white dent sort, much used for roasting ears; q't 15c, p'k 1.00, bush. 3.50.

Asylum—Medium early large ears, fine flavor, very desirable; q't 20c, p'k, 1.25 bush. 4.00.

Extra Early Naragansett—Matures fit for for table in 60 days; very sweet, highly recommended; q't 20c, p'k 1.25, bush. 4.00.

Amber Cream—This delicious new variety is the result of a series of experiments, by cross-fertilization between Moore's Concord and Briggs's Early Sweet Corn. Stalks are strong and vigorous, growing from seven to eight feet high, ears are set tolerably high, having from 12 to 16 rows on the ear; color, when fit for table, white and handsome and of very superior quality; ears large, average from 10 to 14 inches. When dry, it is of a rich amber color, varying from dark to light shade and very much shriveled. From a plot of ground containing one hundred and forty-four hills, planted two by three feet, there was harvested in a single season *one thousand one hundred and twenty* (1,120) ears, from which there could be selected only 30 ears less than nine inches in length. Those who have tried it unite in its praise. One in Indiana writes, "Amber Cream Sweet Corn cannot be beaten as a second crop." My customers said it was the best sweet corn I brought to market. It has taken the first premium at the Agricultural Fair where there was twenty different kinds of corn." Another from Nebraska, "The Amber Cream fully equals any sweet corn I have tried, as an early bearer, having a delicious flavor." One in New York State says, "I think it will be some time before a sweet corn will be sent out that will rival the Cream." Another from Georgia, "The Amber Cream is the only satisfactory sugar corn I have ever grown here. I had large well filled ears in spite of five weeks drought." Do not fail to give it a trial pt 40c, q't 75c.

For field varieties and sweet corn for fodder, see field seeds.

CRESS, or PEPPERGRASS, (Extra Curled.)

A well known salad. Sow thickly and at intervals during the season; cover seed slightly; per packet 5 cents, oz 10c, $\frac{1}{2}$ lb 25c.

CUCUMBERS.

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hot beds, upon pieces of sod or in small flower pots 6 weeks before they can be set out in open ground. A cheap substitute for flower pots when cucumbers are raised on a large scale, is to plant the seed in ordinary strawberry boxes, then set the boxes in the open ground instead of transplanting. By this method there is no danger of disturbing the young plants, and the boxes serve as protection against cut worms, until they rot away, which we have found an important item. When danger of frost is over transplant in hills 4 feet apart each way. For general crop, plant in open ground in May, about 12 seeds in a hill. When danger of bugs is past thin to 4 strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slacked lime to protect from bugs.

PER PACKET, FIVE CENTS.

Early White Spine—Our improved strain of this popular variety, is justly considered the best for general purposes. It is not, as some suspect from its name, a white cucumber, but is rather a bright green color. The spines, or prickles, only, being white. For pickles, this sort has no superior; excellent for table use; straight and well-formed, smooth surface, thick flesh, great yielder; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Boston Market—Among the finest for table use and pickling; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Early Cluster—Grows in clusters and extremely productive; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Early Frame or Short Green—One of the best; well-known; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Green Prolific—Favorite; oz 10, $\frac{1}{2}$ lb 30, lb 1.00

Improved Long Green—Old standard sort; crisp, tender, good flavor; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Tailby's Hybrid—Large, smooth, exceedingly productive; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

London Long Green—One foot in length; flesh greenish white; oz 10c, lb 30c, lb $\frac{1}{2}$ 1.00.

Gherkin, or Burr—For pickling only; oz 25c.

Boston or Jersey Pickle—Very popular among eastern pickle raisers; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Perfection Pickling—New, combines many good qualities for a pickling or table sort, claimed by the introducer, from whom we secured the seed, to be the best of all; oz 25c, $\frac{1}{2}$ lb 80c.

EGG PLANT.

Sow early in hot beds. Transplant to open ground last of May, in rows 3 feet apart.

Early Long Purple—Hardy and productive, 6 to 8 inches long; pkt 10c, oz 30c.

Improved New York—Extra large and choice; fine flavor; pkt 10c, oz 50c.

ENDIVE, (Extra Curled).

Sow early and thin; cover slightly. Soon as large enough, thin to 9 inches apart. When leaves are 8 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; pkt 5c, oz 20c, $\frac{1}{2}$ lb 60c.

KALE or BORECOLE.

A very excellent member of the Cabbage family and should be more extensively cultivated. It is quite hardy and is improved by frost. Cultivate same as cabbage. For Winter sow in September and treat as Spinach.

Dwarf German Green—Best for winter greens; pkt 5c, oz 10c.

Tall Curled Scotch—Bright and green; beautifully curled 18 inches; pkt 5c, oz 10c.

KOHL RABI, or TURNIP-ROOTED CABBAGE.

An excellent vegetable intermediate between the Cabbage and Turnip. Sow in rows in May or June, 18 inches apart, thinning to 8 inches between the plants. Cook as turnips.

Early White Vienna—Flesh white and tender; best market sort; pkt 5c, oz 20c.

Early Purple Vienna—Differing from white only in color; pkt 5c, oz 20c.

LEEK

The Leek is very hardy and easily cultivated. Sow early in Spring, either in the seed bed, to be transplanted, or in the sites where they are intended to perfect their growth. As soon as the plants are 3 or 4 inches high, they may be hoed and trimmed 8 inches apart. Hoe the earth well up to the stalk to blanch it. In transplanting put them well down to cover the necks. London Flag—A hardy, strong growing variety; pkt 5c, oz 15c.

LETTUCE.

Sow in hot-beds in March; open ground soon as can be worked. Transplant to rows 12 inches apart in very rich, pulverized soil. Or, for early plants, sow in September, and winter over in cold frames. For succession, plant every three weeks during the season. Thin out as it grows so that the plants left to head will stand 12 inches apart

PER PACKET, FIVE CENTS.

Early Curled Silesia—Early; large, loose heads, excellent flavor; oz 15c, $\frac{1}{4}$ lb 50c.

Early Curled Simpson—An improved variety of the preceding; oz 20c, $\frac{1}{4}$ lb 60c.

Tennis Ball—One of the earliest heading varieties; being very compact and solid; very best for hot-bed culture; oz 20c, $\frac{1}{4}$ lb 60c.

Ice Drumhead—Heads readily; blanches naturally; crisp, tender; oz 15c, $\frac{1}{4}$ lb 50c.

Boston Curled—A variety of great beauty superior quality; oz 20c, $\frac{1}{4}$ lb 60c.

Victoria Cabbage—Hardy and fine for early sowing; oz 20c, $\frac{1}{4}$ lb 60c.

Improved Head, Imperial Head or Prize Head—Heads well; tender; slow running to seed; first class for summer; oz 20c, $\frac{1}{4}$ lb 60c.

Hanson's—Extra large and solid; oz 20c, $\frac{1}{4}$ lb 60c.

Curled India—Stands the heat well; very tender; oz 20c, $\frac{1}{4}$ lb 60c.

Paris White Cos—Tender, brittle, mild flavor; very superior quality; oz 20c, $\frac{1}{4}$ lb 60c.

Early Boston Market—One of the best for forcing oz 25c, $\frac{1}{4}$ lb 75c.

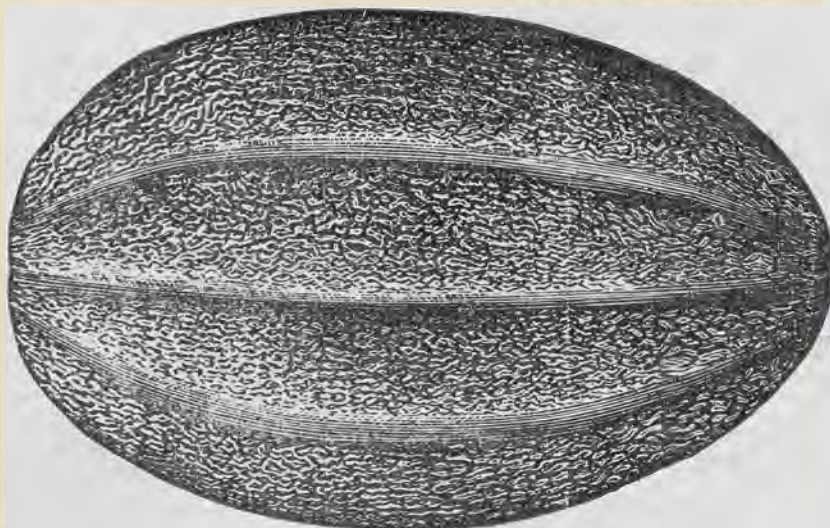
Philadelphia Butter—Extra fine; second early sort; oz 20c, $\frac{1}{4}$ lb 60c.

Premium Curled—Very fine variety for forcing; oz 25c, $\frac{1}{4}$ lb 80c.

Black Seeded Simpson—Much whiter and larger than the ordinary Simpson; resisting the heat excellently. It is rapidly growing in favor wherever used; oz 25c, $\frac{1}{4}$ lb 75c.

MARTYNIA (For Pickles).

Plant in May in hills 4 feet apart. Pick when small. Preserve as cucumbers. pkt 10c. oz 30c.

MFLON—Musk.

BAY VIEW.

Skillman's Fine Netted—Flesh green, sugary and excellent quality; oz 10c, $\frac{1}{4}$ lb 25c, lb 80c.

Green Citron—Medium size, deeply netted; flesh green, delicious flavor; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Green Nutmeg—Fruit oval, good size, rich, Exquisite flavor; oz 10c, $\frac{1}{4}$ lb 25c, lb 80c.

White Japan—Very early; thick flesh; sweet; oz 10c, $\frac{1}{4}$ lb 35c, lb 1.25.

Casaba—Large, very sweet and fine; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Both the Musk and Watermelon thrive best in a warm, rich, sandy loam. Thoroughly stir the soil. Plant 12 to 15 seeds in the hill, which make 6 feet apart. Work under the surface of the hills a liberal quantity of decomposed stable manure. When they begin to vine, thin out to four of the most thrifty. To grow melons very early pursue the same plan as recommended for Cucumbers.

PER PACKET, FIVE CENTS, EXCEPT WHERE NOTED.

Improved Cantelope—Large size, flesh light green; most delicious flavor; superior for market or private gardens; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Surprise—Thin, cream colored skin, thickly netted; flesh deep salmon color, very thick; fine; pkt 10c, oz 25c, $\frac{1}{2}$ lb 75c.

Turks Cap or Hackensack—Popular where known, deeply netted, green flesh, fine flavor; oz 10c, $\frac{1}{2}$ lb 35c.

California Citron—Very large and showy, good quality, flesh deep orange: oz 10c, $\frac{1}{2}$ lb 35c.

Ward's Nectar—Small size; very sweet and rich; green fleshed; oz 10c, $\frac{1}{2}$ lb 35c.

Bay View—Although but of recent introduction, it occupies an enviable position in the list of luscious melons. It is by far the finest flavored melon we ever ate, deliciously rich and sweet, large size, under ordinary treatment on good ground it averages from 12 to 18 inches and weighs from 12 to 20 lbs. Flesh very deep, rich green color; skin russet colored; very handsome and attractive in appearance; very firm when ripe and endures shipping well; pkt 10c, oz 25c, $\frac{1}{2}$ lb 75c, lb 2.00.

MELON—Water.

Plant in hills 8 feet apart, and cultivate same as Muskmelon.

PER PACKET, FIVE CENTS, EXCEPT WHERE NOTED.

Mountain Sprout—Large size; oval; red fleshed; oz 10c, $\frac{1}{2}$ lb 25c, lb 80c.

Mountain Sweet—Oblong; rind thin; flesh red; oz 10c, $\frac{1}{2}$ lb 25c, lb 80c.

Phinney's Early—Flesh deep red; superior quality, early and productive; valuable market variety; oz 10c, $\frac{1}{2}$ lb 25c, lb 80c.

Black Spanish—Large size, almost round; skin dark green; flesh red; oz 10c, $\frac{1}{2}$ lb 25c, lb 80c.

Ice Cream—Medium size, almost round; white seed; flesh scarlet; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Orange—One of the sweetest; when ripe rind peels off like an orange; oz 10c, $\frac{1}{2}$ lb 40c.

Gipsy or Rattle Snake—Very large and productive; great favorite with gardeners; oz 10c, $\frac{1}{2}$ lb 25c, lb 80c.

Haskell's Excelsior—The very best market sort; flesh bright red; very superior quality; enormous size; frequently weighing over 40 lbs. Took first premium at our State Fair 2 years; oz 10c, $\frac{1}{2}$ lb 35c, lb 1.25.

Ferry's Peerless—Of unquestionable quality; medium size; thin rind; light mottled green; flesh bright scarlet; splendid; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Apple Pie—Excellent substitute for apples, for making pies; oz 15c, $\frac{1}{2}$ lb 50c.

Citron—For preserves; oz 10c, $\frac{1}{2}$ lb 30c.

Chinese Sculptured Seeded—Flesh clear color; very early; delicious; seeds very curiously marked; oz 10c, $\frac{1}{2}$ lb 30c.

Golden Flesh—Flesh bright golden color; rich, sweet flavor; medium size; pkt 10c, oz 25c.

Cuban Queen—This magnificent new melon is certainly the largest and finest variety ever introduced, and was the admiration of all who saw it during the past season. The skin is beautifully striped, dark and light green, of the latter there being two shades agreeably diversified. The vines are very strong, healthy and vigorous in growth. The flesh is bright red, remarkably solid, peculiarly luscious, crisp and sugary, and in delicious flavor is unsurpassed. It is an excellent keeper, and although the rind is unusually thin, being scarcely more than half an inch thick on a melon of enormous size, will bear transit to distant markets well. Their great size, handsome appearance, thin rind, red flesh, and delicious taste are so captivating that they cannot fail to bring extra prices wherever put on sale. A letter now before us from a man who tried it the past season, says, "I now have a melon weighing 55 lbs. and have known of one being raised that weighed 91 lbs. it is certainly a magnificent novelty." Do not fail to give it a trial, you will be well repaid and greatly pleased; pkt 15c, oz 50c.

MUSTARD.

Sow early in shallow drills.

White English or London—pkt 5c, oz 10c, lb 50c.

Brown or Black—pkt 5c, oz 10c, lb 50c.

NASTURTIUM, or INDIAN CRESS.

The seeds, while young and succulent, are picked 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.

Tall—pkt 5c, oz 15c.

Dwarf—pkt 5c, oz 25c.

OKRA, or GUMBIO (Dwarf White).

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 2 inches deep, setting the plants from 2 to 3 feet apart; pkt 5c, oz 10c, $\frac{1}{2}$ lb 25c.

New Improved Dwarf Okra—This is an improvement on the old Okra, and promises to be quite an acquisition. It grows but fourteen inches high, has long slender pods, and is very productive; pkt 25c, 5 pkts 1.00.

ONION.

The Onion thrives best on very rich, loamy soil. Unlike most vegetables, it flourishes when cultivated on the same land for many successive years; If possible plow ground in the fall. Sow 4 pounds of seed per acre as early in Spring as ground can be worked, which must be thoroughly pulverized and leveled, in drills 15 inches apart; cover one-half inch. 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. To keep the onions through Winter, a cool, dry, outside cellar, (those under dwellings being usually too warm,) or barn may be employed, any cool, (not freezing) dry, well ventilated room will do. If in a barn, protect on all sides with two feet of good straw. Do not pile them in more than 10 inch layers between the straw. Freezing does not injure if not allowed to thaw and freeze again. To grow sets from seed, sow early and thick in drills. When tops die down (about middle of July) they are ready to harvest. For the cultivation of onions we know of no tools so useful as Comstock's Horticultural Implements and Planet, Jr., tools. Our seed is grown from bulbs selected for perfect shape and small necks. Prices are as low as first class, fresh seed can be sold at. We are aware of the importance of the onion crop, and pay special attention to this seed. Our customers are unanimous in their praise of our onion seed wherever grown, therefore it is unnecessary to say anything to them, but to new customers, we would respectfully say, GIVE US A TRIAL ORDER.

PER PACKET, TEN CENTS.

Extra Early Red—Fortnight earlier than Wethersfield, little smaller; oz 50c, $\frac{1}{2}$ lb 1.25, lb 4.50.

Wethersfield Large Red—The staple variety of the Western onion growers, large size, deep red in color; excellent keeper; oz 50c, $\frac{1}{2}$ lb 1.25, lb 4.50.

Yellow Danvers—Mild flavored, early, hardy, good keeper; oz 40c, $\frac{1}{2}$ lb 1.25, lb 4.50.

Large Yellow Dutch or Strasburg—Rather flat, hardy, productive; oz 40c, $\frac{1}{2}$ lb 1.10, lb 4.00.

White Portugal or Silver Skin—Handsome, mild flavor; not extra good keeper; extensively grown for pickling; oz 40c, $\frac{1}{2}$ lb 1.10, lb 4.00.

Onion sets—See miscellaneous articles.

New Queen—Very early, white, rather small, excellent keeper; oz 50c, $\frac{1}{2}$ lb 1.50, lb 5.00.

Giant Rocca—Very large, frequently weighing 3 $\frac{1}{2}$ lbs. Globular form; mild, delicate flavor; oz 50c, $\frac{1}{2}$ lb 1.50, lb 5.00.

Marzagole—Very handsome large silvery onions; extremely early; oz 40c, $\frac{1}{2}$ lb 1.10, lb 4.00.

Large Red Tripoli—Also very large and mild flavored; oz 40c, $\frac{1}{2}$ lb 1.10, lb 4.00.

Large White Tripoli—Similar to the red except color; oz 40c, $\frac{1}{2}$ lb 1.10, lb 4.00.

Large White Globe—The handsomest market variety we have ever seen. Large size; oval form; very even; mild and pleasant flavor; good keeper; outsells every other variety; oz 60c, $\frac{1}{2}$ lb 1.75, lb 6.00.

PARSLEY, (Covent Garden).

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. pkt 5c, oz 10c, $\frac{1}{2}$ lb 30c.

PARSNIPS.

Sow early in Spring, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 inches apart in rows. They are improved by the frost, and it is usual to take up in the Fall a certain quantity for Winter, leaving the rest in the ground until Spring; in this latitude they need no protection if left in the ground.

PER PACKET, FIVE CENTS.

Long Sugar—Best for general use; very tender, sugary excellent flavored,	large size, white and smooth; oz 10c, $\frac{1}{2}$ lb 25c, lb 75c.
	Stutton's Student—A fine flavored variety; oz 10c, $\frac{1}{2}$ lb 25c; lb 75c.

PEAS.

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, after which there is danger of mildew. Sow in drills 4 to 6 feet apart, according to varieties, 1 inch apart in the drills, not less than 4 inches deep, and late in the season 7 or 8 inches. Occasionally a good late crop can be obtained by sowing an early sort as

late as the 20th of August. 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.*

Earliest Varieties.

PER PACKET, TEN CENTS, POSTPAID.

*Bliss's American Wonder—The earliest and most prolific dwarf, wrinkled pea, unsurpassed for early sowing. This new and fine-flavored variety is a seedling, the result of a cross between the two favorite varieties, *Champion of England* and *Little Gem*, raised by Mr. Chas. Arnold, the well-known Canadian agriculturist. It combines all the good qualities of both of its parents, with the additional ones of superiority in flavor to the Champion and of greater productiveness than the Little Gem, besides being earlier than any other of the wrinkled varieties. Peas planted June 5th were ready for the table in thirty-three days from date of planting. 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. Since 1878 it has been tested in various parts of the world, and has met with the unqualified approval from all who have grown it. It has the highest endorsement from the most eminent agriculturists in the country. So great has been the de-



BLISS'S AMERICAN WONDER.

mand, since first introduced that it has been impossible to supply all applicants with even a small quantity. Our seed is genuine, do not fail to give it a trial; $\frac{1}{2}$ p't 20c, p't 65c, q't 1.25; by mail, post-paid. When delivered at our store or sent by express at the expense of the purchaser; p't 55c, q't 1.00.

Extra Early Challenge—We have not only added one valuable new pea to our list, but several. The Challenge was obtained by continued selections from Extra Early Philadelphia, and we can in all confidence say that after a trial of nearly all Extra Early varieties offered to the trade, we have not found one possessing more merit, hence its name. For the Market Gardener it has no superior. It is not only extremely early and prolific, but is of the most luscious flavor. All the good qualities of the Extra Early are more nearly brought to perfection in the Challenge. Vines 18 inches. Per p't 35c, q't 60c, p'k 4.00, bush 15.00.

Carter's First Crop—Very productive; good flavor. Height 30 inches. Per q't 30c, p'k 2.00, bush. 7.00.

McBeth's Pride—Also new. An improvement of the Kentish Invicta, being fully as early, and materially better, sustaining the same relation to that desirable variety as does the Challenge to the Extra Early.

We confidently recommend it for profit to the gardener. Like the Kentish Invicta it matures its entire crop together, so that one picking is sufficient. For shipping this is a most valuable item. Height 36 inches. Per p't 35c, q't 60c, p'k 4.00, bush. 15.00.

***Laxton's Alpha**—Exquisite flavor; remarkable for its earliness and prolific bearing. Height 3 feet. Per q't 40c, p'k 2.75, bush. 10.00.

Philadelphia Extra Early—Favorite market variety; very early; productive; fine flavor. Height 27 inches. Per q't 30c, p'k 2.00, bush 7.50

***McLean's Little Gem**—Dwarf; wrinkled; delicious flavor; rich and sugary; very early. Height 1 foot. Per q't 40c, p'k 2.75, bush. 10.00.

Extra Early—Imported from England. Height 30 inches. Per q't 40, p'k 2.75, bush. 10.00.

Early Kent—A fine pea; early and productive. Height 30 inches. Per q't 25c, p'k 1.75, bush, 6.00.

Tom Thumb—Very dwarf; not exceeding 9 inches. Per q't 40c, p'k 2.75, bush. 10.00

Improved Dan O'Rourke—A popular market variety. Height 27 inches. Per q't 30c, p'k 1.85, bush. 6.50.

Kentish Invicta—Earliest blue pea except McBeth's Pride in cultivation. Height 3 feet. Per q't 40c, p'k 2.75, bush. 10.00

***Premium Gem**—Magnificent dwarf; very productive. Height 1 foot. Per q't 40c, p'k 2.75, bush. 10.00

McLean's Blue Peter—Excellent quality; general habit like Tom Thumb; good yielder. Height 9 inches. Per q't 40c, p'k 2.75, bush. 10.00.

PEAS (Main Crop.)

Dwarf White Marrow—Similar in quality to the tall variety; good yielder; much prized by gardeners. Height 2 feet. Per q't 25c, p'k 1.75, bush. 6.00.

***Champion of England**—A standard popular variety; delicious flavor; very prolific. Height 4 feet. Per q't 35c, p'k 2.25, bush. 8.00.

White Marrowfat—A favorite market sort. Height 4 feet. Per q't 20c, p'k 1.25, bush. 4.00.

Black-Eyed Marrowfat—Hardy and productive. Height 4 feet. Per q't 20c, p'k 1.25, bush. 4.00.

Dwarf Blue Imperial—Large, fine flavored; among the best either for market or private garden. Height 30 inches. Per q't 25c, p'k 1.75, bush. 6.00.

***McLean's Advancer**—A fine wrinkled marrow. Height 30 inches. Per q't 40c, p'k 2.75, bush. 4.00.

***Yorkshire Hero**—Fine marrow; strong grower. Height 4 feet. Per q't 40c, p'k 2.75, bush. 10.00.

Dwarf Sugar—Edible pods; use like snap beans. Height 2 feet. Very fine quality. Per q't 50c, p'k 3.50.

PEPPER.

Grown largely for pickles. Sow in hot beds in April; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly and require considerable heat.

Large Bell, or Bull Nose—Large; early; rind thick and fleshy; pkt 5c, oz 25c.

Sweet Mountain, or Mammoth—Large and mild flavor; pkt 5c, oz 25c.

Red Cayenne—Long, red, tapering; hot for seasoning; pkt 5c, oz 25c.

Yellow Cayenne—Similar to red except in color; pkt 5c, oz 25c.

PUMPKIN.

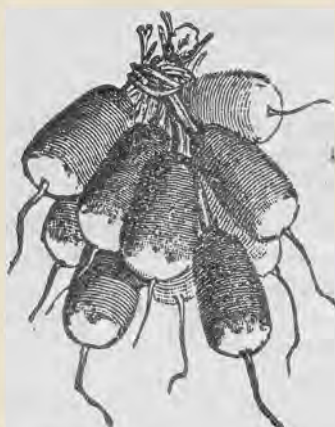
Plant in hills 8 feet apart in May, among potatoes or corn, or in open field.

Connecticut Field—This is the kind from which to make good old fashioned Yankee pumpkin pies. Very productive; fine also for feeding stock; pkt 5c, oz 10c, $\frac{1}{2}$ lb 20c, lb 50c.

Large Cheese—Very desirable for cooking purposes; pkt 5c, oz 10c, $\frac{1}{2}$ lb 25c, lb 75c.

Curshaw—Light cream color; flesh salmon color; resembling the winter Crook-Neck squash in shape; somewhat tender; pkt 5c, oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Sweet Pumpkin—Great favorite; pkt 5c, oz 10c, $\frac{1}{2}$ lb 25c, lb 75c.

**RADISH.**

For early use, sow on *thoroughly enriched*, warm soil, protected on the north and west if possible, as early as the ground can be handled. For a succession at intervals of two weeks until midsummer. The winter varieties should be sown about the time of turnip sowing. Good radishes cannot be raised on poor soil. They require quick growth. Our seed is imported direct from Europe and is very choice.

PER PACKET FIVE CENTS.

FRENCH BREAKFAST. White Turnip—A little later than the last; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Scarlet Olive Shaped—Very early and tender; prized by gardeners; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

White Olive—Different from the other only in color; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

French Breakfast—Oval, scarlet, tipped with white; tender, crisp; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Early Long Scarlet, Short Top—Very extensively grown highly prized by marketmen, and very tender when grown quickly; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

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

Covent Garden Long Scarlet—An improved Long Scarlet; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Long White Naples—Clear white tinged with green at the top; oz 10c, $\frac{1}{4}$ lb 50c, lb 1.50.

Golden Globe—Very handsome and excellent summer radish; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

White Summer—Fine Summer variety; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Chinese Rose Winter—Excellent; medium size; firm and tender; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Black Spanish Winter—A standard variety of good quality; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Mammoth White Winter—An introduction from China; oz 15c, $\frac{1}{4}$ lb 50c, lb 1.50.

Wood's Early Frame—In shape between Olive and Long Scarlet; very early; great favorite in England; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Early Scarlet White Tip—Very striking and showy; oz 15c, $\frac{1}{4}$ lb 50c, lb 1.50.

RHUBARB, or PIE PLANT (Victoria or Mammoth.)

Succeeds best in deep, rich soil. Sow in spring in drills, cover 1 inch. Thin plants to 6 inches apart. Transplant in Autumn or Spring to permanent beds, 3 feet apart each way. It is a strong feeder, and will bear manuring heavily; pkt 5c, oz 20c, $\frac{1}{4}$ lb 60c.

SALSIFY or VEGETABLE OYSTER.

A delicious substitute for oysters in soups. Cultivate same as parsnips; succeeds best in light rich land, which should be plowed very deep. Salsify should be more generally cultivated; pkt 5c, oz 25c, $\frac{1}{4}$ lb 50c.

SPINACH.

Extremely wholesome and palatable. Used for greens. For summer, sow early in Spring, in deep, rich soil, in drills one foot apart cover 1 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;

PER PACKET, FIVE CENTS.

Round—Main market sort. Equally for Spring or Fall; oz 10c, $\frac{1}{4}$ lb 20c, lb 50c.

Flanders—Very productive, large broad leaves; oz 10c, $\frac{1}{4}$ lb 20c, lb 50c.

Savoy leaved—Leaves wrinkled similar to Savoy Cabbage; produces enormous crops; superior quality; very hardy; oz 10c, $\frac{1}{4}$ lb 20c, lb 50c.

Prickly—Stands well in Winter. Gives less bulk per acre than round; oz 10c, $\frac{1}{4}$ lb 20c, lb 50c.

Viroflay—A very extra variety of lettuce leaved Spinach; leaves long, broad, thick, very fleshy, dark green; grows to an enormous size, and produces wonderful crops; oz 10c, $\frac{1}{4}$ lb 20c, lb 50c.

SQUASH.

Squashes are all quite tender; therefore no progress can be made in starting them until the weather becomes warm and settled. Except as recommended for cucumbers, the Winter varieties should, however, be planted early as possible, and a rapid growth encouraged. Treatment the same as for Melons and Cucumbers. Plant bush varieties 3 feet apart; others, 8.

PER PACKET, FIVE CENTS, EXCEPT WHERE NOTED.

Yellow Bush Scolloped—Early market variety; fine flavor; oz 10c, $\frac{1}{2}$ lb 25c.

White Bush Scolloped—Similar to first, rather better quality; oz 10c, $\frac{1}{2}$ lb 25c.

Early Bush Crook-Neck—Best summer sort, early, productive; very fine quality; oz 10c, $\frac{1}{2}$ lb 25c, lb 75c.

Boston Marrow—This delicious variety is of a rich orange color all the way through; ovate in form; very thin rind; fine grained; exquisite flavor; although it is a fall sort, it keeps well through the winter; unexcelled for cooking; it will boil as dry as a potato. During the past season, squashes raised from our seed have been shipped from Iowa to Boston, by the car load, and sold there at the highest market prices. This fact we mention merely to give you an idea of the superiority of this squash; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Hubbard—Flesh fine grained, dry, excellent flavor, great keeper; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Winter Crook-Neck—Old standard sort; good keeper; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

American Turban—Dry, sweet, fine Fall sort; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Marblehead—Excellent; yields and keeps well; oz 10c, $\frac{1}{2}$ lb 30c, lb 1.00.

Mammoth Chili—Immense size, frequently growing to the weight of 300 lbs. Good for stock and cooking; oz 25c, $\frac{1}{2}$ lb 75c, lb 2.75.

Little Cocoanut—Beautiful, little new Fall variety of great promise; superior flavor; solid; very fine grained, extremely prolific, quite ornamental; pkt 10c, oz 25c, $\frac{1}{2}$ lb 75c.

Essex Hybrid—Cross between the Turban and Hubbard, combining many good qualities of each, somewhat earlier than either; pkt 10c, oz 25c, $\frac{1}{2}$ lb 75c.

Perfect Gem Squash—This variety, unlike anything before offered, is excellent both as a summer and winter squash. It has all the properties of the best of both classes. It is a vigorous grower and wonderfully productive. Its habits are somewhat peculiar. After setting the squashes near the root, like the bush varieties, it commences to run, and the vines often attain the length of twenty feet, and are very thick and strong, branching in a similar manner to the Ornamental Gourd, and often bearing quite as abundantly. The squashes are from four to six inches in diameter, flattened, of a creamy white color, slightly ribbed, and have a thin smooth skin. The flesh is fine grained, and when cooked is dry, very sweet, and has a delicious flavor, entirely free from that strong taste common to all of the winter squashes. It is remarkable for its keeping qualities. In a dry, cool room, free from frost, they may be kept until Spring. In short, it is justly entitled to the name given it, being equal to the best bush or marrow squash for summer use, and better than any other for winter. A good keeper, very productive, a free grower and worthy a place in every kitchen garden; pkt 15c, oz 50c.

TOBACCO.

Early in Spring, burn a brush pile on the ground to be used for seed-bed. Then thoroughly pulverize the soil, digging and mixing in ashes. Sow seed very shallow. When plants are 6 inches high, transplant into rows 4 feet apart. Cultivate thoroughly.

Connecticut Seed Leaf—Best adapted to the climate of the middle and northern states, as it is more hardy, and endures the cold better than the tender varieties grown south. In many of the northern states, and in Canada, this variety is a staple crop; pkt 5c, oz 25c.

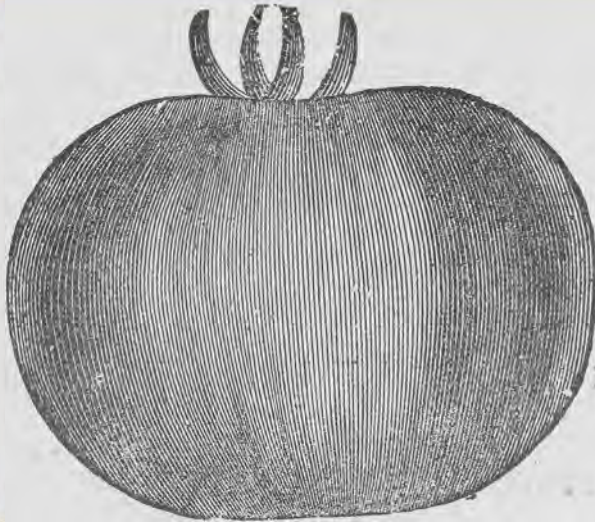
White Burley—Especially desirable for the manufacture of cigars, as the leaf readily absorbs a large quantity of manufacturing material; pkt 10c, oz 40c.

Imported Havana—pkt 10c, oz 75c.

TOMATO.

Sow early in spring in hot-beds or seed-boxes, or for main crop sow in cold frames. Transplant to open ground when all danger of frost is past, 6 feet apart each way. Well manured, light sandy soil is best. Our seed is saved from selected fruit, and is extra choice.

PER PACKET, FIVE CENTS, EXCEPT WHERE NOTED.



Livingston's Perfection--This beautiful new tomato we offered last season for the first time. We grew several hundred bushels for seed; the field was pronounced by all who saw the ripe fruit, the handsomest sight of a tomato patch ever witnessed. It was certainly magnificent. The Perfection is the largest early variety known, being as early as the Canada Victor, and differing from most early sorts in continuing to bear abundantly until frost. It is perfectly smooth. It contains but few seeds, and is very solid. Is somewhat larger than the Acme of a glossy blood-red color. Never sun-burns but rather brightens from the effect of the sun. It ripens all over and through at the same time; is free from rot at the blossom and. Never becomes hollow late in the season; is a great yielder, and stands shipping exceedingly well; pkt 15c, oz 75c, $\frac{1}{4}$ lb 2.50.

Conqueror--Large size, smooth, vines rather dwarf; very early; oz 20c, $\frac{1}{4}$ lb 60c, lb 2.25.

Canada Victor--Good size, symmetrical and handsome; fruit heavy, well meated, rich flavor, and very early; oz 25c, $\frac{1}{4}$ lb 75c, lb 2.50.

Acme--Among the earliest, medium size, very smooth; solid clear through, but few seeds; great bearer; vines stalky; color dark red, tinged with purple; ripens evenly way up to the stem; delicious flavor stands shipping exceedingly well. Extra selected seed; pkt 10c, oz 35c, $\frac{1}{4}$ lb 1.00, lb 3.50.

Paragon--Large, bright crimson; medium early; very smooth; great yielder; ripens evenly; few seeds, pkt 10c, oz 35c, $\frac{1}{4}$ lb 1.00, lb 3.50.

Trophy--One of the largest and best; fine quality medium early; heavy and solid. Great favorite; pkt 10c, oz 35c, $\frac{1}{4}$ lb 1.00, lb 3.50.

Golden Trophy--Has all the good qualities of the red variety, from which it is a sport. Golden yellow; oz 30c, $\frac{1}{4}$ lb 1.00.

Golden Rural--A new golden yellow, supposed to be a cross between Golden Trophy and Green Gage. Very early; round; smooth; prolific. Exquisite flavor; pkt 10c, oz 35c, $\frac{1}{4}$ lb 1.00.

General Grant--Very regular and symmetrical; firm and solid, fine flavor. Well known; oz 20c, $\frac{1}{4}$ lb 60c, lb 2.00.

Hathaway's Excelsior--Early; medium to large; smooth as an apple; excellent quality; oz 25c, $\frac{1}{4}$ lb 75c, lb 2.50.

Large Smooth Red--Smooth; handsome; bright red; oz 15c, $\frac{1}{4}$ lb 50c, lb 1.50.

Green Gage--Bright orange color; fine flavor; superior quality; oz 30c, $\frac{1}{4}$ lb 1.00.

Red Plum--Good for preserving or pickling; oz 30c.

Red Currant--Bright Red, growing in long clusters; oz 30c.

Cherry--Small, round red; very prolific; superior for pickles; oz 25c, $\frac{1}{4}$ lb 75c.

Essex Early Hybrid--A handsome new light pink colored tomato; perfectly smooth very solid, large size, rich flavor, ripens all through alike, very productive, and highly profitable for market; pkt 15c, oz 50.

TURNIP.

For early, sow in April. The Strap-leaved and Early Flat Dutch are the best for this purpose. For main crop sow during July or August, and just before or during a showery time if possible. Ruta-Bagas should be sown not later than June. The soil should be rich and mellow, and kept free from weeds. Sow in drills half an inch deep and 12 inches apart. Thin to 6 inches apart in the drills. Ruta-Bagas should be 10 inches apart. Two pounds of seed is sufficient for an acre. To keep turnips through the winter, top them within 1 inch of the bulb. Store in cool cellar; cover with dry sand.

PER PACKET FIVE CENTS.

Early White Six Weeks--Very early and excellent; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Early White Egg--Egg shaped; early, rapid growth, fine quality: oz 10c, $\frac{1}{4}$ lb 25c.

Purple Top Globe—Similar to Purple Top Strap Leaved except shape; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Cow Horn—New, delicate flavor, rapid growth, pure white tinged with green at the crown; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Strap Leaved Red or Purple Top—The standard for this part of the country; superior for early or late planting. Round, flat, good sized; small top with but few leaves; flesh very fine grained; rich delicate flavor; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Early White Flat Dutch—Medium sized, grows quick, similar to above except the purple top, being all white; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Seven Top—Very hardy; oz 10c, $\frac{1}{4}$ lb 30c.

Large White Norfolk—A popular variety for feeding; oz 10c, $\frac{1}{4}$ lb 20c, lb 60c.

Large White Globe—Fine for field culture; oz 10c, $\frac{1}{4}$ lb 20c, lb 60c.

Yellow or Amber Globe—For field culture; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Orange Jelly—A beautiful and delicate yellow turnip; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Yellow Aberdeen—Excellent for cattle feeding; oz 10c, $\frac{1}{4}$ lb 20c, lb 65c.

Golden Ball—Beautiful bright golden color; rapid grower; fine quality; oz 10c, $\frac{1}{4}$ lb 30c, lb 1.00.

Yellow Stone—Rapid growing, round, yellow sort; medium size; oz 10c, $\frac{1}{4}$ lb 30c.

RUTA-BAGAS.

Improved American—Very solid, fine quality; valuable for the table and feeding stock; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Skirving's Purple Top—An improved purple top variety; large; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

Carter's Improved Hardy Swede—Large size; excellent quality; oz 10c, $\frac{1}{4}$ lb 20c, lb 60c.

Sweet German—Flesh white, solid and sweet; keeps well; oz 10c, $\frac{1}{4}$ lb 25c, lb 75c.

East Lothian—An improved strain of one of the most popular English sorts; very desirable for field culture; oz 10c, $\frac{1}{4}$ lb, 25c, lb 75c.

HERBS.

No garden is complete without a few sweet, aromatic or medicinal herbs, for flavoring soups, etc., and pains should be taken to harvest them properly. This should be done on a dry day; just before they come into full blossom, then dried quickly and packed closely, entirely excluded from the air. Sow in spring in shallow drills 1 foot apart, and when up thin out and transplant a few inches apart.

ALL FIVE CENTS PER PACKET.

Anise, Balm, Sweet Basil, Borage, Caraway, Coriander, Catnip, Dill, Dandelion, Fennel, Horehound, Hyssop, Lavender, Marjoram, Rosemary, Saffron, Summer Savory, Thyme, Tansy, Wormwood, (Sage—oz 20c, $\frac{1}{4}$ lb 75c, lb 2.00.)

FLOWER SEEDS.

The soil best adapted for most flowers is a deep, rich, mellow loam, containing a liberal amount of sand or muck, so that it will not bake after hard rains. Be sure that the garden is well drained, that no water may stand near the surface. Clay soils are much improved by being broken up in the autumn and left as rough as possible, working in well-rotted manure, sand or road dust. If this is not done in the Fall, be careful not to work it while too wet in the Spring; use sand freely if to be had; sod with leaves well rotted, and ashes make a good manure, and will improve heavy soils. There are very few flowers that will not do well in sandy soil if it is rich. Select such varieties as are suited for the places and purposes for which they are designed.

Under proper conditions and treatment, flower seeds will grow and thrive as readily as vegetable or field seeds. But most of them require careful handling, this is especially true of the finer sorts.

A proper degree of heat, moisture, and a sufficient amount of covering, are necessary to secure germination, each one of these conditions needs attention. The best plan is, if no hot-bed can be had, to sow seeds in shallow boxes about two inches deep and of convenient size to handle, filled with prepared soil, which should be gently pressed down and perfectly level. No better general rule can be given than the old one of covering seeds about twice their depth, although something depends on what the covering consists of; one-fourth of an inch of leaf-mould would be no more than equivalent to half that amount of common soil, and it is best to use it whenever it can be obtained, as it holds moisture well and does not bake, rendering it the least possible obstruction to the tender shoots. Muck from swamps, or old rotted manure mixed with sand, is also good. The covering should never be allowed to become dry, as nothing is more fatal to seeds than to allow them to become dry after having commenced to germinate; still, care should be taken not to keep them too wet.

As soon as the plants can be handled, they should be transplanted into similar boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. Never pull, but always lift them with a trowel or some other implement.

Whether sown in hot-beds, boxes or open ground, the same conditions should be secured as nearly as possible.

* We take great pains in growing and securing the very best flower seeds, and feel confident that they will be found of the very best quality, and that they will please the most critical. Our descriptions are more brief than we wish they were, but this was found necessary on account of space.

COLLECTIONS OF FLOWER SEEDS.

We have arranged the following collections of flower seeds which contain the most popular and desirable sorts. Being our own selection, they will invariably be found satisfactory in quality and exceedingly liberal in quantity. They are put up ready for mailing and cannot be divided or changed, but will be sent to any address, postpaid on receipt of price. We urgently recommend these collections to all, and especially to those not thoroughly acquainted, with the various kinds and classes of flowers.

- | | |
|---|--|
| Collection A contains 25 varieties of splendid annuals; 1.00. | Collection G contains 25 varieties assorted from the most popular annuals, biennials, perennials, ornamental climbers, ornamental grasses and everlastings; 1.00. |
| Collection B contains 12 varieties of splendid annuals; 50c. | Collection H contains 50 varieties assorted from the most popular annuals, biennials, perennials, ornamental grasses, ornamental climbers and everlastings; 1.75. |
| Collection C contains 12 varieties extra choice annuals; 1.00. | Collection I contains 100 varieties assorted from the most popular annuals, biennials, perennials, ornamental climbers, ornamental grasses and everlastings; 3.00. |
| Collection D contains 20 varieties biennials and perennials; 1.00. | Collection J contains 10 varieties of choice green-house seeds; 2.00. |
| Collection E contains 10 varieties extra choice biennials and perennials; 1.00. | |
| Collection F contains 5 varieties very choicest annuals, biennials and perennials, including the finest German prize pansy; 1.00. | |

To those preferring to make their own selection from the general list, and for the benefit of all who are enough interested in the growing of flowers to assist in encouraging the taste for flower gardens among their neighbors, by getting up clubs for seeds, the following liberal discount is offered. This discount applies to flower seeds by the packet only.

Any one person remitting \$ 1.00 may select seeds amounting to \$	1.20
" " " 2.00 " " "	2.50
" " " 3.00 " " "	3.75
" " " 4.00 " " "	5.00
" " " 5.00 " " "	6.50
" " " 10.00 " " "	14.00
" " " 20.00 " " "	30.00
" " " 30.00 " " "	45.00
" " " 50.00 " " "	100.00

ALL FLOWER SEEDS ARE SENT POST PAID BY MAIL, ON RECEIPT OF PRICE.

ANNUALS, and such others as produce flowers the first season.

- Abronia**—Umbellata. Rose lilac, white eye, handsome trailer; pkt 5c.
- Adonis**—Flos adonis. Summer, scarlet 1ft. pkt 5c.
- Ageratum**—Mexicanum. Blue; pkt 5c.
Lesseauxii—Rose colored; 10c.
- Agrostemma**—Rose of Heaven; pkt 5c.
- Alouzoa**—Grandiflora, White; pkt 5c.
- Alyssum**—Very free flowering, useful and pretty for borders rock work etc. Sweet. fragrant pkt 5c.
- Amaranthus**—Love lies bleeding; pkt 5c.
Tricolor—Josephs Coat, old favorite; 5c.
- Anagallis**—Fine mixed varieties; pkt 5c.
- Antirrhinum**—Snapdragon. New dwarf beautiful mixed colors; pkt 5c.
Brilliant and White each pkt 5c.
Best Varieties mixed pkt 5c.
- Argemone**—Very showy; mixed varieties, 2 feet; pkt 5c.
White and Yellow; extra fine—pkt 5c.
- Asperula**—Sweet scented; pkt 5c.
- Asters**—Well known and universal favorites.
New Rose; flowers large; very double; brilliant; beautiful; robust habit; 2 feet 10c.
Truffant's Pæony Flowered Perfection; large, beautiful flowers, mixed colors 18 inches; pkt 10c.
Imbrique Pompon—Very desirable, beautiful variety of colors; pompon flowers; pkt 10c.
Reid's Improved Quilled—Single petals consisting simply of quills; blooms freely and beautifully; many colors 18 inches; pkt 10c.
German Quilled—Very double; oval form; many colors, mixed; pkt 5c.
New Washington—Enormous, convex formed flowers, frequently attaining the diameter of 5 or 6 inches; very showy; White and Mixed each pkt 25c.
Pyramidal Bouquet—Forms beautiful bouquets of 150 to 200 flowers, very handsome colors; pkt 10c.
Victoria—Flowers very large, perfectly double, imbricated and geobular; pkt 15c.
Half Dwarf German Multiflora—Many handsome colors, extra fine; 15c.
All the above 9 for \$1.00.
Best Varieties—Mixed; pkt 10c.
Good Varieties—Mixed; pkt 5c.
- Balsam**—These magnificent plants produce gorgeous masses of the most brilliant flowers, in great profusion. They should be grown in the richest kind of soil. Plant the seed in boxes and when plants are 5 inches high transplant to 15 inches apart. We have grown and improved the Balsam for a number of years and prize it very highly; under proper treatment our seed will produce very double flowers.
- Camelia Flowered or Blotched**—Many colors mixed; very double; two feet; pkt 10c.
- Camelia Flowered**—Separate colors; Fine Rose, Bright Pink, Solferino, Scarlet White Spots, Purple White Spots, Pure White; Bluish Pink and New Crimson; each pkt 15c.
The eight separate colors for 1.00.
Double common mixed; pkt 5c.
- Bartonia**—Aurea; very showy; flowers brilliant yellow; pkt 5c.
- Bellvidere**—Fine for cemeteries; pkt 5c.
- Brachycome**—(Swan River Daisy); pkt 5c.
- Browallia**—Mixed colors; pkt 5c.
- Cacalia**—Coccinea; (Tassel Flower); flowering in clusters; very pretty; pkt 5c.
- Callendula**—Nankeen color; pkt 5c.
Officinalis Meteor—New; light golden yellow; distinctly striped with intense golden orange; very double; pkt 10c.
- Calandrinia**—Grandiflora; mixed colors; flowers from July to October; pkt 5c.
- Calliopsis**—Mixed colors; pkt 5c.
- Campanula**—(Canterbury Bell); Grandiflora; pkt 5c. Double mixed; pkt 10c. Medium, single mixed; pkt 5c.
- Candytuft**—One of the best known and most useful; indispensable for bouquets; White Purple, Dark Crimson and All Colors Mixed, or Sweet Scented; each 5c. Dwarf Lilac; pkt 10c.
New Dwarf Hybrid, mixed colors, flowers shade from pure white into deep lilac, rose, carmine etc.; pkt 15c.
- Callirhoe**—Abundant bloomer; pkt 5c.
- Catananche**—Somewhat resembles the pink. pkt 5c.
- Canna**—(Shot plant) fine mixed; pkt 5c.
- Celosia**—There are two beautiful forms of Celosia; the coxcomb and the feathery President Theirs—New crimson; pkt 25c.
New Japan Coxcomb; pkt 10c.
Celosia Superba Plumosa—New and beautiful, feathery; pkt 10c.
Cristata—Mixed; pkt 5c.
Mixed varieties—Very pretty; pkt 5c.
- Centaurea**—Cyanus (Bachelor's Button) 5c.
Gymnocarpa—Silver grey foliage; pkt 10c.
Moschata (Sweet Sultan) pkt 5c.
- Candissima**—Splendid silver leaf; for ribbons borders, etc; pkt 25c.
- Centranthus**—Mixed; pkt 5c.
- Collinsia**—Pretty; free blooming annuals; many colors; pkt 5c.
- Cleome**—Curious flowers; pkt 5c.
- Crepis**—Mixed colors; pkt 5c.
- Convolvulus Minor**—(Dwarf Morning Glory) Mixed colors; pkt 5c.
- Clarkia Elegans**—Mixed colors; pkt 5c.

Dahlia—Will usually flower first season. Take up roots on appearance of frost and store in cellar in dry sand. Best double mixed; pkt 15c.

Double Daisy—finest double; pkt 15c.

Datura—Strong growing plant; trumpet shaped flowers. Mixed; pkt 15c.

Dianthus—Pink; very attractive; especially valuable for bedding;
Chinensis—Best double; mixed colors; 10c.
Heddewigii—Often double; best mixed; 5c.
Imperiallis (Double Imperial) pkt 10c.
 All Varieties Mixed—A fine collection; 5c.

Didiscus—Sky blue flowers; pkt 5c.

Eschscholtzia—Blooms well; four colors mixed; pkt 5c.

Eutoca—Dark blue; very pretty; pkt 5c.

Euphorbia—(Snow on the Mountain) pkt 5c.

Four O'clock—*Mirabilis Jalapa*; Bright foliage; handsome fragrant flowers, 2 feet Hybrid—Mixed; pkt 5c.

Forget-me-not—(*Myosotis*)—Delicate blue flower; pkt 10c.

Fox Glove—*Digitalis*; fine for borders; 5c.

Gaillardia—(Blanket flower) constant blooming, bedding plants; flowers remarkable for their size, beauty and duration; pkt 5c.

Gillia—Delicate little flowers. Mixed varieties; pkt 5c.

Godetia—Constant bloomer; pretty; pkt 5c.

Gypsophila—Well adapted for hanging baskets, also pretty dried. Rose and White; each; pkt 5c.

Hibiscus—Very showy; cream-colored flowers; pkt 5c.

Ice Plant—Very pretty and curious; pkt 5c.

Jacoea—Brilliant, double mixed; pkt 5c.

Larkspur—Free blooming; very rich in color. Finest mixed; pkt 5c.

Linum—Pretty for rock work; pkt 5c.

Lobelia—*Erenis*—Suitable for hanging baskets or borders; delicate flowers. Mixed colors; pkt 5c.

Lupinus—Leaves and flowers both beautiful; flowers pea shaped. Mixed; pkt 5c.

Lychnis—Very handsome and ornamental; particularly effective in mixed shrubery and flower borders;
Haageana Hybrida—Extremely handsome; mixed colors; pkt 10c.
 New Dwarf—Fine; pkt 10c.

Marigold—Well known plants. Best double mixed colors; pkt 5c.

Mignonette—The long known Frenchman's darling. Very desirable and extremely fragrant: 10c 5c.

Parsons' New White—pkt 5c.

Miles' New Hybrid Spiral—Habit dwarf and branching; spikes frequently attaining a length of 14 inches; very fragrant; pkt 10c.

Common Sweet Scented—Old standby; 5c.

Pyramidal Large Flowering—Attains very large size; pkt 10c.

Mimulus—*Moschatus*; musk plant; strongly scented; pkt 10c.

Nemophila—Very charming and useful; neat compact habit; mixed varieties; pkt 5c.

Nigella—Love in a mist; pkt 5c.

Nolana—*Grandiflora*; pretty trailers; pkt 5c.

Oenothera—Evening Primrose; pkt 5c.

Pansy—A general favorite the world over. Our seed is saved with greatest care and it cannot be excelled for purity. In separate colors; Light Blue, Bronze, Pure White, Pure Yellow, Dark Purple, Odeir or Five Blotched, Emperor William and King of the Blacks; each pkt 15c.
 The eight varieties for 1.00.

Very Choice Mixed—From the prize German collections, containing the finest of strains from the largest and most perfect flowers; 50c. Choice English; extra mixed seed from prize flowers; 25c. Fine Mixed; pkt 10c. Good Mixed; pkt 5c.
 The eight varieties for 1.00.

Perilla Nankinensis—Leaves ornamental; handsome for border; pkt 5c.

Petunia—From seed sown in spring, plants will bloom in June. *Grandiflora*, very finely blotched; 20c. Countess of Ellesmere; 10c. *Nana Multiflora*; (new dwarf Inimitable); dwarf; densely branching; profuse bloomer; greatly admired; 25c. Finest Double; mixed colors; 25c. Choice Single; mixed colors; pkt 5c.

Phlox Drummondii—One of the very best annuals; blooms very freely till frost; unsurpassed for bedding. Dark Red and Black Warrior mixed, Rose, Rose striped with white, Lilac White Eye, Rose Scarlet Eye and Large Pure White; each pkt 10c.
 The six for 50c.
 Mixed—Many beautiful colors; pkt 10c.

Poppy—Beautiful for beds or borders; Carnation; finest mixed double, large flowers, many colors; pkt 5c.

Portulaca—One of the best bedding annuals, very showy. Single Large Flowering, mixed colors, Very Large Rose, Very Large Striped; each pkt 5c.
 Many Single Varieties—Mixed; pkt 5c.
 Double Rose Flowered—Very double and brilliant; many colors; pkt 10c.

Ricinus—Very ornamental; 5 to 12 feet high. Giganteus; enormous size; pkt 5c.
Gibsonii—New; dark purple stems, deep red leaves; pkt 5c.
Rocket—(Sweet). Free flowering; very fragrant; pkt 5c.
Salpiglossis—Variabilis; picturesque; all colors mixed; pkt 5c.
Salvia—Very ornamental and rich; pkt 10c.
Saponaria—For borders and ribbons; constant bloomers, mixed colors; pkt 5c.
Solanum—Very ornamental; pkt 10c.
Sanvitalia—Procumbens; Fl.—Pl.; dwarf, compact, suitable for beds; pkt 5c.
Scabiosa—(Mourning Bride). A general favorite; finest colors mixed; pkt 5c.
Schizanthus—Elegant, slender, branching annuals; finest mixed; pkt 5c.
Sedum—Pretty for rock work; pkt 5c.
Sensitive Plant—Very curious; pkt 5c.
Silene—(Catchfly); pkt 5c.
Stevia—Fine for bouquets; pkt 5c.
Stocks—(German ten weeks). A large proportion of flowers quite double; continue a long time in bloom; very desirable. Pyramidal; large flowers; pkt 10c.

ORNAMENTAL CLIMBERS.

There is no other class of plants more subject to complete control than the climbers. They are Nature's drapery, and are inclined to furnish us with decorations of exquisite beauty and rare grace.

From the most delicate to the very vigorous growing varieties, all are desirable, and have many places to fill, from the covering of the low screens, trailing from pots and baskets to the clothing of arbors, fences, and even buildings and huge trees with habiliments of verdure.

Adluma—Cirrhusa—(Mountain Fringe, or Alleghany Vine), graceful, pretty foliage, pink flowers; pkt 5c.
Calampelis—Delicate foliage, bright orange flowers, good bloomer. pkt 10c.
Cardiospermum—(Balloon Vine or Love in a Puff). Curious; pkt 5c.
Cobaea Scandens—One of the most beautiful, branches freely, and frequently grows 25 to 30 feet; pkt 10c.
Convolvulus Major—Well known morning glory. All best colors mixed; pkt 5c.
Cypress Vine—Ipomœa Quamoclit—Very graceful and beautiful foliage; pretty flowers; mixed colors; pkt 5c.
 White and Scarlet each; per pkt 5c.
Dolichos—Lablab—(Hyacinth Bean). White dwarf; pkt 5c.
Gourds and Cucumbers—These are very numerous and dissimilar. They are vigorous growing and very desirable for arbors, fences, &c., &c. My mixed collection contains 60 varieties a large number of which will be found in each pkt of mixed seed:

Dwarf German—Best mixed seed; pkt 10c.
Dwarf Wall-Flower-Leaved. Finest mixed; one of the best; pkt 10c.
Large Flowered—Finest mixed; pkt 10c.
Finest Varieties Mixed; pkt 10c.
Good Mixed—pkt 5c.
Sunflower—Mammoth Russian—Very large; pkt 5c.
Verbena—Universally popular bedding plants. Some of the most beautiful and fragrant are seedlings. The colors are very distinct and striking and include everything but yellow. Seed sown in the open ground in May will bloom in August, but by starting early in boxes or hot-beds, they will bloom in June or July. Pure White, Brilliant Red, Italian Striped, and Fine Mixed—each per pkt 10c.
Very Choicest Mixed—From named flowers pkt 25c.
Virginia Stocks—Similar to candytuft; 5c.
Whitlavia—Large flowered; handsome bell-shaped flowers; pkt 5c.
Zinnia—Very showy garden annual; many brilliant colors; Double Orange, Double White, and Double Mixed—each per pkt 5c.

Calabash or Dipper Gourd, Egg Shaped, Pear Shaped, Striped, Apple, Snake, Meloppe, and Sugar Trough, each pkt 10c.
 Mixed varieties pkt 5c.
Hedysarum—Humile—From Algiers; 10c.
Ipomœa—Bona Nox—(Good night or Evening Glory) pkt 5c.
 Best Mixed Varieties; pkt 5c.
 Star Ipomœa; pkt 5c.
Lophospermum—Scandens, Handsome evergreen climber, purplish flowers. Sow early in hot-beds, transplant to open ground in May. Roots may be kept over winter in dry sand; pkt 10c.
Maurandya—Grows 6 feet; abundant foliage; good sized flowers; Finest Mixed; pkt 10c.
Nasturtium—Well adapted for green-house or conservatory; brilliant colors; Spitfire, New Hybrid and Mixed; pkt 10c.
Sweet Peas—Universal favorites; Scarlet, White and Mixed colors; each 15c, pkt 5c.

Lord Anson's—Sky blue; pkt 5c.
Thunbergia—Fine for baskets; pkt 5c.
Tropæolum—Peregrinum—Canary flower;
 beautiful variety, frequently growing 20

feet, profuse bloomer. Flowers much resembling the little Yellow Canary, from whence its name; pkt 10c.

EVERLASTINGS.

The Everlastings readily thrive with kind treatment; Flowers should be gathered just before fully expanded, tied into small bunches and hung up to dry. Gomphrenas must be fully developed before picking.

Acroclinium—Rose, White, Mixed Colors—each per pkt 5c.
Ammobium—Alatum—White; pkt 5c.
Gomphrena—Globe Amaranth—These are extra fine, distinct and striking. Flesh Color, Varigated, Purplish Red, White and Mixed Colors; each, pkt 5c.
Helichrysum—Very full double flowers, extremely useful and handsome; Red, Yellow, White. Mixed Colors; each 5c.
Helipterum—Sanfordi—Rich Yellow colored flowers; pkt 10c.
Rodanthe—Handsome; pkt 10c.
Statice—Mixed Colors; pkt 5c.
Waitzia—Beautiful Yellow; pkt 20c.
Xeranthemum—White, or Mixed, each 5c.

ORNAMENTAL GRASSES.

These are used with Everlasting flowers for decorative purposes.

They should be cut just as they are coming into flower, and dried in small bunches.

Agrostis—Fine and feathery; pkt 5c.
Avena—Sterilis. Animated Oats; pkt 5c.
Andropogon—Very fine; mixed; pkt 25c.
Briza—Compacta; pkt 5c.
 Maxima—Large quaking grass; pkt 5c.
 Gracillis—pkt 5c.
Bromus—Brazæ formis; very graceful and showy; pkt 5c.
 Maximus—pkt 5c.
Chloris—Barbata; pkt 5c.
Coix—Exaltata; (Job's tears); pkt 5c.
Erianthus—Revennæ; resembling Pampas grass, but being quite hardy is adapted to a cooler climate; pkt 10c.
Pampas Grass—The most stately of all, attaining in its native country the height of 12 to 15 feet. Plumes are from 20 to 36 inches in length; when bleached, of a beautiful silvery white, being highly ornamental; 5c.
Hordeum—Jubatum; (Squirrel tail grass); 5c.
Lagurus—Ovatus; (Hare's tail grass).
Stipa—Pennata; (Feather grass); very fine and graceful; large feathery panicles of flowers; pkt 10c.
 A mixture—Of many of the best ornamental grasses suitable for bouquets; pkt 5c.

BIENNIALS AND PERENNIALS.

Those that do not bloom before the second season, are arranged in this department.

Aconitum—(Monk's Hood); pkt 10c.
Beet—Chillian Scarlet; pkt 10c.
Chrysanthemum—(Garden-Artemisias) Indicum; double; pkt 5c. Mixed 5c.
Carnation Pink—German Seed; from choice named flowers; pkt 25c, Extra Italian seed from choicest prize flowers; pkt 50c. Fine mixed, for borders; pkt 10c. Good mixed; pkt 5c.
Columbine—Aquilegia; well known and very highly prized; mixed varieties; pkt 5c.
Delphinium—Formosum; rich blue and white; pkt 5c.
Hibiscus—pkt 10c.
Honesty—Very hardy; beautiful purple 5c.
Hollyhock—Very fine double mixed from Germany; pkt 10c.
Ipomopsis—Splendid for conservatory or out doors; Mixed Varieties; pkt 5c.
Larkspur—Delphinium; best new varieties mixed; pkt 5c.
Lathyrus—Everlasting Peas; mixed varieties; pkt 10c.
Pyrethrum—Common double Feverfew; 10.
Penstemon—Grandiflora; splendid border plants; pkt 10c.
Phlox—Purple, White and Mixed; each 10c.
Picotee Pink—Similar to Carnation; beautifully colored; German seed from choicest named flowers; pkt 25c. Extra Italian seed, from the finest prize flowers; pkt 50c. Fine mixed; pkt 10c.
Poppy—pkt 5c.
Sweet William—Perfectly hardy, beautiful; mixed colors; pkt 5c.
Sweet Violet—Viola Odorata; pkt 10c.
Wall Flower—Finest double; mixed colors. pkt 15c. Fine Mixed; single, pkt 5c.

SEEDS FOR THE GREENHOUSE.

For Florists and Amateurs. Imported from the best European sources.

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| <p>Abutilon—Choicest varieties mixed pkt 20c.
 Begonia—Mixed; pkt 15c.
 Boston Smilax—Unexcelled for decorative purposes; pkt 20c.
 Calceolaria—Hybrida; new; striped or spotted, extra; pkt 50c.
 Carnation—Remontant or Tree Carnation; Choice Italian; pkt 20c.
 Cineraria—Hybrida; best; pkt 20c. Maritima, beautiful white foliaged bedding or border plant; pkt 5c.
 Chrysanthemum—Indicum; Best Double; pkt 20c. Pompon or Dwarf; pkt 20c.
 Coleus—From the finest German collections; Mixed; pkt 20c.</p> | <p>Cianthus—Dampieri; scarce; pkt 25c.
 Cuphea—Cigar plant; pkt 10c.
 Cyclamen—Persicum; sweet scented; 20c.
 Fuchsia—Hybrida; best new sorts mixed; pkt 25c.
 Geranium—Newest varieties mixed; 50c.
 Gloxinia—Hybrida; splendid mixed; 35c.
 Heliotrope—Best mixed; pkt 10c.
 Lantana—Hybrida; best mixed; pkt 10c.
 Passion Flower—pkt 10c.
 Primula—Sinensis; best double mixed; 50c. Fine mixed; pkt 25c.
 Vinca—From East India. Succeeds out of doors in warm sheltered places; Mixed 10c.</p> |
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POTATOES.---Our Specialty.

We pay as much or more attention to the cultivation and improvement of the potato as any other one branch of our seed business. It is our purpose to fully keep up with the times in the introduction and dissimulation of new and valuable potatoes. We therefore spend considerable money each season in testing new varieties, many of which we never offer for sale, not considering them worthy of mention; but on the other hand, there are numerous new sorts brought to notice nearly every year, possessing special points of value. In our judgment, it will pay any farmer to buy new varieties, even if it only be to change his seed. Our experience and observation is, that the best potato will deteriorate rapidly if grown on the same soil for a number of years. It is a fact that it requires careful cultivation to perpetuate any vegetable which is so susceptible to variations, "sporting" and deterioration as the potato. Recognizing this fact, and taking into consideration the shortage of the potato crop in Iowa, we have procured, and shipped, at a heavy expense, from north western Minnesota, a large quantity of Rose potatoes, (see description in list below) particularly for our customers south of the line of the northern boundary of Iowa, and we trust our efforts in this direction will be appreciated. As intimated, the past season has been a severe one on the potato crop, yet with all the discouragements, we consider this years experience of more importance, than that of any preceeding season, inasmuch as it has shown us, very forcibly, which varieties are best under adverse circumstances, we therefore consider that a potato, which has stood the test of the past year can safely be recommended. Our Iowa potatoes are not as large as usual, but we succeeded in growing fair crops, of the best sort, they are well matured and true to name. Prices by the lb by mail include postage or express charges prepaid, by the peck &c, boxed and delivered free at express or freight offices.

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| <p>Am. Magnum Bonum—In both yield and quality <i>first class</i>. Fairly early, skin white, eyes slightly sunken. Stood the drouth remarkably well. We highly recommend it. Per lb by mail 60c, 3lbs 1.50; peck 2.00, by express.</p> <p>American Giant—Tubers white, smooth, oblong; fine cropper; promises well; medium late; lb 60c, 3lbs 1.50.</p> <p>Alsska—Tubers large, round; eyes somewhat depressed; flesh white and mealy; good keeper; medium late; lb 60c, 3lbs 1.50, p'k 2.00.</p> <p>British Queen—Strong grower, stands the drouth well. Tubers large, russety, somewhat rough; good quality; lb 60c, 3lbs 1.50, p'k 2.00.</p> | <p>Bliss' Triumph—Tubers very round and handsome; light red; flesh white and mealy; one of the earliest; lb 60c, 3 lbs 1.50, p'k 2.00.</p> <p>Brooks' Seedling—At our state fair of 1880 this variety took second premium, but this season the drouth made bad work with it. It usually grows large size, is light red in color, tubers long, large and rather rough; fair quality; lb 60c, 3 lbs 1.50.</p> <p>Brownell's Beauty—First sent out in 1873. Skin light red, flesh white and mealy, fine flavor and large size; late; lb 50c, 3 lbs 1.25.</p> <p>Compton's Surprise—Oval oblong in shape; color reddish purple; remarkable for its good quality and productiveness; excellent keeper; lb 50c, 3 lbs 1.25.</p> |
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Crawford's Seedling—This new Iowa seedling was sent to me by the originator, Mr. Crawford, two years ago. In color and in shape it closely resembles the Early Rose, but the tubers are much smoother, and the yield under the same treatment fully one-fourth heavier, while the time of maturity is the same. Awarded the first premium at our state fair in 1880 for an early potato. I have the testimonials of a large number of competent judges who have thoroughly tested the quality, and pronounce it *superior to any early potato they have ever used*. Do not fail to give this new Iowa seedling a trial; lb 60c, 3 lbs 1.50, p'k 2.00, bu 5.00.

Clark's No 1—This variety reminds us of the Early Rose in its palmiest days, which it very closely resembles; said to be a much better cropper; ripens about the same time; lb 60c, 3lbs 1.50, p'k 2.00, bush. 5.00.

Chicago Market—This new variety comes highly recommended, for productiveness and good quality, but with us it suffered badly from drouth; we think it worthy a trial; ripens with Early Rose; lb 60c, 3 lbs 1.50.

Dunmore—White skin and flesh fine quality, great yielder; one of the very best late sorts for profit; lb 50c, 3 lbs 1.25, p'k 1.50,

Early Ohio—We do not hesitate to pronounce it a first class first early potato; tubers generally good size; few small ones; grows compact in the hill; vines stocky and upright; easily cultivated; color nearly white tinged with purple; excellent yielder; lb 50c, 3 lbs 1.25, 5 lbs 2.00, p'k 2.00, bu 5.00, bbl 10.00.

Early Rose—The well known standard early sort. Pure seed; lb 50c, 3 lbs 1.25, p'k 75c, bu 2.50.

Early Snow Flake—Among the earliest, ripening with the Early Rose; it keeps equal to any of the late sorts. The tubers are white, very slightly tinged with russet; symmetrical and uniform in shape, medium size, eyes entirely flat on the base and but slightly depressed at the seed end. Its mealiness, pure delicate flavor, and the evenness with which it cooks, have never been eclipsed; grows in very compact clusters around the base of the stalk in the hill; lb 50c, 3 lbs 1.25, p'k 75c, bu 2.50.

Early Beauty of Hebron—Tubers similar in shape to the Early Rose, very smooth; slightly tinged with pink about the eyes ten days earlier than the Early Rose, yields *simply enormous*, tubers lying very close together in the hill. Its mealy qualities and rich, delicate flavor, are the highest recommends; lb 50c, 3 lbs 1.25, p'k 1.00, bu 3.00.

Granger—Sent out by the Grange 3 years ago; skin white, pink eyes, irregular in shape, good keeper; lb 60c, 3lbs 1.50, p'k 2.00.

Improved Peach-Blow—Resembling the old Jersey Peachblow in quality, but much more productive; strong grower; tubers uniformly round; splendid keeper; lb 60c, 3lbs 1.50, p'k 2.00.

Indiana Russet—We like this so well that we shall plant largely of it. Sorry we can only offer it by the pound this season. Tubers round, russetty, eyes somewhat depressed, flesh extremely white and mealy; stood the drouth remarkably well; lb 60c, 3 lbs 1.50.

Late Snowflake—A sport of Early Snowflake, and fully equal to that favorite variety in quality and appearance, ripening three weeks later; very productive; lb 60c, 3lbs 1.50, half p'k 1.50.

Late Beauty of Hebron—This new late variety was first discovered in a field of the Early Beauty of Hebron, and stands in the same relation to that variety, as the Late Rose and Late Snowflake do to their respective prototypes. It is remarkably productive; tubers oblong and of extra size; flesh and skin white; table properties of the very highest order, and keeps well; lb 60c, 3 lbs 1.50, half p'k 1.50.

Long Pond—Very productive; rather late; white, round; good quality; tubers not the largest, but very numerous, growing close in the hills; well worthy a trial; lb 60c, 3 lbs 1.50, p'k 2.00.

Late Rose—Ripens three weeks later than the Early Rose; much more productive, hardier and a better keeper; lb 50c, 3lbs 1.25, p'k 75c, bu 2.50.

La Plume Triumph—Very early, light red, flesh white and mealy, tubers long and round; lb 60c, 3 lbs 1.50.

Manhattan—This new excellent late potato, has by some been erroneously called the Victor, but although similar they differ in shape and color: the Manhattan showing more white on the skin, and the Victor is more inclined to flattish oval, whereas the Manhattan is oblong, and in quality we find it far superior and a better cropper, although both are excellent in this respect; lb 60c, 3 lbs 1.50, p'k 2.00.

Matchless—Cross between the White Peach-Blow and the Early Rose. Tubers generally quite round, medium size, skin white, slightly russetted, eyes very shallow, flesh fine grained, white and high quality. Ripens trifle later than the Silver Skin; good cropper and keeper; lb 60c, 3 lbs 1.50, p'k 1.50.

Mammoth Pearl—Very handsome and good, never hollow, free from rot; skin and flesh extremely white; ripens in August, keeps well and cooks splendidly; lb 60c, 3lbs 1.50 p'k 2.00.

Parsons' Prolific—Our new potato for 1882. In offering this magnificent new Iowa seedling, now for the first time, we acknowledge a keen tinge of pride, feeling confident that we are presenting one of the best, if not the very best late potato ever brought before the public, and predict for it an enviable position on the potato list in the near future. Our greatest regret is, the crop is not larger, which compels us, in order to disseminate them as widely as we desire, to offer them by the pound only. The Parsons' Prolific is a seedling from the old Prince Albert, and not only perpetuates its parental good qualities, but develops new ones not eclipsed by any late potato we have ever grown. In a trial plot with 35 of our best varieties it outstripped them all; enduring the drouth exceedingly well, vines growing rank, with strong roots extending deep into the soil; tubers large, white, nearly round, eyes very near the surface; growing compact in the hill; skin smooth. We earnestly request each customer to give us a careful report on this variety; lb 1.25, 2 lbs 2.00. Not more than 2 lbs sold to one person.

Pride of America—Closely resembles the Snowflake in appearance and quality, ripens a few days later, is more productive and adapted to a greater variety of soils, good yielder and excellent keeper; lb 60c, 3lbs 1.50, p'k 1.50.

Peerless—Grows to enormous size, very prolific but of inferior quality for table use; lb 50c, 3 lbs 1.25, p'k 75c, bu 2.50.

Queen of the Valley—Rightly named, and in our judgement entitled to all the praise its name would indicate; large, white, oblong, few eyes, tolerably smooth, flesh white, quality excellent, number one cropper, medium early; lb 60c, 3 lbs 1.50, half p'k 1.50.

Ruby—Matures with the Early Rose: tubers light red, oblong, slightly flattened; quality number one; fair yielder; lb 50c, 3lbs 1.25, p'k 1.50, bu 5.00.

Red Lyon—Very promising late variety; is a rank grower, vines dark green; tubers flesh color, white flesh, quality good; lb 60c, 3 lbs 1.50, half p'k 1.50.

Red River Rose—This fine potato, like the Late Rose, from which it originated, is even more productive than that popular variety: in maturity it follows the Early Rose very closely: it is remarkably hardy and healthy and a splendid keeper, retaining its high eating qualities until new potatoes are ready for use. It is magnificently adapted for profit, being not only of remarkable good quality but extremely attractive in appearance; our stock, when it arrived from northwestern Minnesota, last fall, was pronounced by old potato men, as the finest and most even large lot of potatoes they ever saw. In answer to a letter, a gentleman who lives where they grow, says: "They are the best potatoes I ever ate, and good, way on in May; fine mealy fellows, such as it is a treat to eat;" lb 50c, 3lbs 1.25, pk 75, bu 2.50, bbl 5.00.

Silver Skin—Handsome. White skin and flesh; a cross between the White Peachblow and the Early Rose. Tubers medium to large, excellent quality, good keeper, ripens little before the Peerless; lb 60c, 3lbs 1.50

St Patrick—Introduced in 1879, since when it has become quite popular. The best result of twelve years careful experimenting by the originator, and is a direct descendant of the Garnet, Chili and Early Rose. Has smooth white skin, few and shallow eyes, oblong in shape, white flesh, fine quality, heavy yielder, medium late; lb 60c, 3lbs 1.50.

Victor—A seedling of the Peach Blow and Prince Albert; skin purplish red, white spots; flesh very white, fine grained, never hollow, medium late, great cropper, and a remarkably good keeper; very free from rot; lb 50c, 3lbs 1.25, p'k 1.00, bu 3.00.

White Elephant—As the name indicates, it is pure white; large size, tubers long and round, excellent quality, good cropper, late; with our first years experience promises well; lb 50c, 3lbs 1.50.

White Peachblow—Late, medium size; very dry and mealy when cooked; lb 50c, 3lb 1.25, p'k 1.50.

One lb. of either of the following, 50c; 3 lbs 1.25; or one potato of each of the 11 for 1.50. White Peachblow Seedling. Bradford, Early Peachblow, Oxford Early, Prince Reigent. Galvin, San Francisco, Royal June, Early Stephens, Nameless. One year Seedlings.

COLLECTIONS OF POTATOES—By express, all correctly labelled.

1 good tuber, each your own selection of any 10 of the above 50 varieties,—except Parsons—\$3 00

1 good tuber, each your own selection of any 25 varieties, \$5.00.

1 good tuber, each of the entire collection of 50 varieties, \$10.00.

FRUIT TREES, GRAPE VINES, SMALL FRUITS, ETC.

BY MAIL, POST PAID.

To meet our many calls for small fruits etc., we are happy to announce that perfect arrangements have been made with one of the most extensive and in every way perfectly reliable nurseries in America, to supply the following very excellent list of out-door plants and fruits, which are to be sent by mail, postage paid, and safe arrival guaranteed.

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 best time for forwarding plants is from the first of October to the first of June, as they are less liable to suffer from frost than from extreme heat.

DOLLAR COLLECTIONS.

We make the following named dollar collections for the benefit of purchasers. It will be seen that where persons are not well acquainted with the different varieties, so as to enable them to make judicious selections, these sets offer great advantages for cheapness, and parties will generally get as good selections as they could make themselves, our aim being as far as possible to satisfy every customer that favors us with an order.

The choice of varieties in these sets must be left entirely to us, as we positively cannot afford, at these collection prices, to permit customers to name the plants. These collections are subject to the following conditions, that persons ordering are only to name the number designating the collection or collections wanted, as it takes too much time to read long letters giving detailed lists of plants in each collection desired. Simply the number of the collection or set is sufficient.

Set 41—8 Apple trees, 4 sorts for 1.00.

" 42—3 Pear trees, 3 sorts for 1.00.

" 43—3 Cherry trees, 3 sorts for 1.00.

" 44—2 Pear trees, 2 sorts, 2 Quince, 2 sorts for 1.00.

" 45—6 Peach trees, 3 sorts for 1.00.

" 46—1 Pear, 2 Peach, 2 Apple, for 1.00.

" 47—1 Apple, 1 Pear, 1 Cherry, 1 Quince for 1.00.

" 48—8 Grape Vines, 2 each of Concord, Hartford, Ives and Rogers' Hybrids for 1.00.

" 49—10 Grape Vines, 5 sorts, entirely our choice for 1.00.

" 50—20 Raspberries, 4 each of Mammoth Cluster, Doolittle's Improved, Brandywine, Philadelphia, and the Turner, for 1.00.

" 51—25 Raspberries, 5 sorts, our choice for 1.00.

" 52—8 Currants, 2 Cherry, 3 La Varsailles and 3 White Grape for 1.00.

" 53—50 Strawberry plants, 10 Monarch of the West, 10 Crescent Seedling, 20 Wilson's Albany, and 10 Charles Downing for 1.00.

" 54—50 Strawberry plants, 20 Sharpless, 10 Col. Cheney, 10 Glendale, 10 President Wilder for 1.00.

" 55—40 Sharpless Strawberry plants, fruit immensely large, for 1.00.

" 56—2 Grapes, 2 Currants, 4 Raspberry, and 20 Strawberry plants for 1.00.

" 57—5 Sweet Chestnut, 1 Spanish Chestnut, 1 Butternut, 1 Black Walnut and 1 Maderia Nut for 1.00.

" 58—100 Catalpa Speciosa, perfectly hardy and rapid grower; very durable timber, for 1.00.

" 59—40 Sweet Chestnut trees for 1.00.

" 60—5 Norway Spruce, 3 to 4 inches, 1 American Arbor Vitæ, 1 Pyramidal Arbor Vitæ, 1 Irish Juniper, 1 Scotch Pine, and 1 Retinospora for 1.00.

We have frequent letters of inquiry similar to the following; "In your sets of ten grape vines for one dollar, please let me know what varieties you send, also in your sets of 25 raspberry plants for 1.00 what varieties do you send?" In reply to all such inquiries, we would say that we are only enabled to offer such large numbers for a dollar by retaining the privilege of selecting the varieties when we fill the order, and this excludes the possibility of naming in advance of filling the orders, what varieties will be used. But all sets will be filled with good sorts. In sets where the varieties are named, those of course will be sent

PREMIUMS.

It will be apparent that as we have to prepay all mail matter, we cannot afford to allow as large premiums when plants are to be sent by mail, as we can when sent by express, the purchaser paying the express charges on receipt of the plants. But 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 years time.

MAIL CLUBBING RATES:

Persons sending 2.00 may select plants valued at 2.20, 4.00-4.50, 6.00-7.00, 8.00-9.50, 10.00-12.00, 15.00-18.50, 20.00-25.00.

And for all amounts remitted above 20.00, 25 per cent may be added to the order.

EXPRESS CLUBBING RATES:—Which applies to all items in this list except potted strawberry plants:

Persons sending 2.00 may select plants valued at 2.40, 4.00-5.00, 6.00-8.00, 8.00-11, 10.00-14.00, 15.00-22.00, 20.00-30.00.

And for all amounts remitted above 20.00, 50 per cent may be added to the order.

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

PRICE LIST OF ARTICLES THAT CAN BE SENT TO ANY PART OF THE U. S. BY MAIL.

APPLES—Standard

Plant thirty feet apart each way; forty-eight trees to the acre. One year grafts finely rooted cut back suitable for mailing. 15 cents each, 8 for \$ 1.00, purchasers' choice of the following:—

Summer—Benoni, Early Harvest, Early Strawberry, Golden Sweet, Holland Pippin, Keswick Codlin, Red Astrachan, Sops of Wine, Sweet Bough, Western Beauty.

Autumn—Autumn Swaar, Autumn Strawberry, Buckingham, colvert, Cayuga Red Streak, Fall Jenetting, Fall Pippin, Maiden's Blush, Sherwood's Favorite, St. Lawrence, Trumbull Sweet, Gravenstein.

Winter—Ben Davis, Bailey's Sweet, Belmont, Baldwin, Bellflower Yellow, Dominie, Dutch Mignonne, Fallwater, Fameuse, Grimes' Golden, Golden Russet, H. Nonesuch, King (of Tomp. Co.), Limber Twig, Lady Apple Monmouth Pippin, Northern Spy, Peck's Pleasant, Paradise Sweet, Rome Beauty, Russet Roxbury, R. I. Greening, Rawles' Janet, Rambo, Ribston Pippin, Seek-no-further, Stark, Talman Sweet, Vandevere, White Pippin, Wagener.

APPLES—Russian and others of Special Merit.

One years grafts cut back for mailing. 25 cents each; 5 for \$ 1.00. One year grafts, 1 to 1½ feet high, 20 cents each; 6 for \$ 1.00 Alexander, Bottle Greening, Dutch Butter, Haas, Lawver, McIntosh Red, Mann, Pewaukee, Stumps, Red Canada, Smith's Cider, Seedless, Shiawassee, Tetofsky, Wealthy, Walbridge.

HYF'S KING OF THE WEST.

One year grafts suitable for mailing, 40 cts. each; 3 for \$ 1.00.

APPLES--Crab.

One year grafts cut back for mailing. Price 25 cents each; 5 for \$ 1.00.

Aucubifolia, Briar's Sweet, Chicago, Golden Beauty, Hyslop, Montreal Beauty, Marenngo, Power's Large Red, Transcendent, Van Wyck's Sweet, Whitney's No. 20, Yellow Siberian.

PEARS—Standard.

Plant twenty feet apart each way. 108 trees to the acre. One year grafts cut back for mailing. Price, 40 cents, each; 3 for \$ 1.00

Summer—Bartlett, Madelaine, Brandywine, Osband's Summer, Dearborn's Seedling, Tyson and Clapp's Favorite.

Autumn—Buffam, Belle Lucrative, Howell, Swan's Orange, Beurre d'Anjou, Duchesse Angouleme, Louise Bonne de Jersey, Sheldon, Beurre Clarigeau, Flemish Beauty, Seckel, Stevens' Genesee.

Winter—Beurre Easter, Vicar of Winkfield, Lawrence, Columbia, Mt. Vernon.

PEARS—New.

Price, 50 cents each, except when noted.

Beurre de l'Assumption, Brockworth, Park, Duchesse de Bordeaux. Frederick Clapp. (75 cents) Souvenir du Congress, Goodale, Kieffer's Hybrid. (\$ 1.50 each.)

PEARS—Dwarf,

Plant 16½ feet apart; 160 trees to the acre. One year buds cut back for mailing. 40 cts. each, 3 for \$ 1.00 except when noted.

Bartlett, Mt. Vernon, Howell, Kirtland, Belle Lucrative, Beurre de Anjon, Kieffer's Hybrid, (\$ 1.50.) Buffant, Tyson, Beurre Easter, Edmunds, Beurre Clairgeau, Madelaine, Souv. du Conrganess (50 cents.) Vicar of Winkfield, Brandywine, Lawrence, White Doyenne, Osband's Summer, Sichel, Clapp's Favorite, Beurre Bosc.

CHERRIES.

Plant Hearts and Bigarreaus 20 feet apart each way; 108 trees to the acre. Plant Dukes and Morellos, 10 to 12 feet apart; 363 trees to the acre. One year from bud, cut back for convenience in mailing to about one foot.

Price 40 cents each; 3 for \$1.00.

Leading Sorts—Black Eagle, Early Purple Guigne, Napoleon, Belle Magnifique, May Duke, Black Tartarian, Elton, Ohio Beauty, Carnation, English Morello, Yellow Spanish, Gov. Wood, Rockport, Early Richmond Reine Hortense.

New Cherries—Empress Eugenie, (50 cts.) Montmorency Ordinaire, (50 cents.) Luelling, (50 cents.) Olivet, (50 cents.)

PLUMS.

Plant 18 by 16 feet apart each way. One year buds cut back for convenience in mailing, 50 cents each.—**Leading sorts.**

Coe's Golden Drop, Dennison's Red, German Prune, General Hand, Imperial Gage, Italian Prune, Jefferson, Lombard, Magnum Bonum Yellow, Pond's Seedling, Princes Impereal Gage, Reagle's Union Purple, Reine Claude, Shropshire Damson, Smith's Orleans.

Improved varieties of American Plums on Peach Socks. Price, 50 cents each.

De Cardeuc, Newman, Wild Goose, Weaver, Bassett, 75 cents. De Soto, 75 cent.

PEACH TREES.

One year buds cut back for mailing. 20 cents each; 6 for \$1.00.

Amsden's June, Alexander Early, Benard's Yellow Rarripe, Crawford's Early, Crawford's Late, Coolidge Favorite, Chinese Cling, Early Beatrice, Early Louise, Early Rivers, Foster, Geo. the 4th, Hale's Early, Hill's Chili, Jaques' Rarripe, Large Early York, Lemon Cling, Mountain Rose, Old Mixon Free, Red Cheek Melocoton, Richmond, Snow, Smock's Free, Smock's Cling, Steadley, Salway, Scott's Nonpareil, Stump the World, Sturtevant, Susquehanna, Troth's Early, Ward's Late Free, Yellow Rarripe. Old Mixon Cling.

NEWER VARIETIES.

Price 35 cents each; 3 for \$1.00, except where noted.

Boss Queen, 50 cents. Bowers' Early, Beers' Smock, Bilyea's Late October, Downing, Honeywell, Marshall's Late, Mrs. Brett 50 cents, Prince of Wales, 50 cents, Saunders, Wilder, Waterloo, 50 cents, Conklin, 50 cents.

NECTARINES AND APRICOTS.

A good assortment. Price, 50 each.

Remember we guarantee that all plants and fruit trees will arrive in good healthy condition. Our system of packing is very thorough.

MULBERRIES.

Weite, 25 cents, Downings Everbearing, 75 cents, New American, 75 cents.

QUINCES.

Angers, 30, cents, Champion, \$1.00. Orange, 30 cents, Rea's Mammoth, 50 cts.

NUTS.

Trees suitable size for mailing

American Sweet Chestnut, 10 cents each, 40 cents per. 10; \$2.50 per 100, Spanish Chestnut, 25 cents each, Butternut, 20 each, 6 for \$1.00, Black Walnut, 20 cents each, 6 for \$1.00, English Walnut, 25 cts. each, Almonds, hard and soft shell, 50 cts. each, Pecans, 50 cents each, Hickory Nuts shell bark, 25 cents each, Japan Chestnut, 50 cents each.

NEW GRAPES.

PRICE \$1.00 EACH, UNLESS NOTED.

Eldorado, Early Dawn, Bacchus, Highland, Jefferson, Lady Washington, Monroe, Rochester, Pocklington, 1.50; Prentiss, 1.50; Vervennes, Duchesse.

GRAPES—General Collection; Black.

Plant rows 8 feet apart and 6 to 10 feet in rows. The following prices are for first-class one year vines, two year vines being too heavy to forward by mail.

PRICE 25 CENTS EACH, UNLESS NOTED.

Clinton, 15c; Champion, Concord, 15c; Eumelan, 30c; Hartford Prolific, 15c; Ive's Seedling, 15c; Isabella, 15c; Merrimac, (Rogers' No 19) Moor's Early, 75c, each; Senasqua, 75c; Wilder, (Rogers' No. 4) Worden, 50c, each.

GRAPES--Red or Amber.

Agawam, (Rogers' No. 15) Brighton, 50c; Catawba, 15c; Delaware, Goethe, (Rogers, Hybrid No. 1) Lindley, (Rogers' No. 9) Massasoit, (Rogers' Hybrid No. 3) Salem, (Rogers' No. 53) Walter, 75c.

GRAPES--White.

Croton, 50c; Lady, 50c; Rebecca, 50c.

STRAWBERRIES.

For field culture plant 1 by 4 feet apart, 10,000 to the acre. For garden culture plant 1 by 2 feet apart. Any rich soil that will produce good corn or potatoes is suitable for the Strawberry. Early in the winter cover surface with litter of some kind to keep the plants from being injured by freezing. There is no danger of putting on too much between the rows, but the plants themselves must not to be covered too

deep; from 2 to 3 inches of coarse straw is probably the best covering. When growth commences remove the cover from directly over the plants and leave it between them for a mulch. The blossoms of those marked with the letter P are destitute of stamens and are termed Pistillate and unless a row of a flowered variety is planted, at intervals of about a rod they will produce imperfect fruit and but little of it. But when properly fertilized as a rule they are more prolific than those with perfect flowers.

STRAWBERRIES--New.

Price, 10 cents; \$1.00 per dozen.

Bidwell, Crystal City, Cetawayo (P). Mt. Vernon, Golden Lefiance, Huddleston's Favorite, Hervey Davis, Sucker State, Springdale.

STRAWBERRIES--General collection.

Price 10 cents each; 30 cents per 10; \$2.00 per 100.

Cumberland Triumph, Crescent Seedling, Chas. Downing, Glendale, Iowa Prolific, Jucunda, Monarch of the West, Seneca Chief, 10c each, 12 for 1.00; pot plants 20c each; 6 for 1.00.

Sharpless, Wilson's Seedling.

STRAWBERRIES Additional List,

Price 10 cents each 40 cents per 10; \$3.00 per 100.

Black Deofance, Capt. Jack, Col. Cheeney (P). Cinderella, Forest Rose, Great American, Longfellow, Marvin, Miner's Great Prolific, President Wilder, Pioneer, President Lincoln, Seth Boyden, Triumph de Gaud, Warren, Windsor Chief.

GOOSEBERRIES.

Downing, 25c each; Houghton Seedling 15c; Mountain Seedling, 25c; Smith's Improved, 25c.

GOOSEBERRIES--English Varieties.

Strong two year old plants. Price 40 cents each.

Crown Bob, Montrose, Golden Lion, Sulphur, Warrenton, Hedge Hog, White Smith.

RASPBERRIES.

The raspberry should be planted in good rich soil, in row about five feet apart and three feet apart in the row, with three or five canes to the hill. As soon as they have done bearing, cut out the old wood to give more vigor to the young canes. Price, unless noted, 10 cents each; 50 cents per 10; \$3.50 per 100.

Amazon, Antwerp Red, Brandywine, Catawissa, Clarke, Deleware, Davidson's Thornless, Doolittle's Improved, Black Cap, Herstine, Highland Hardy, Kirtland, Lum's Everbearing, 15c each, Gregg, 15c each 15 for \$1.00; Great Western, 15c each, 15 for \$1.00; Mammoth Cluster, Miama, Philadelphia, Seneca Black Cap, Turner, Cuthbert, or Queen of the Market, 15c each, 15 for \$1.00; Thwack, 15c each, 15 for \$1.00; Reliance, 15c ea., 15 for 1.00.

CURRENTS.

The Currant has not hitherto received the attention its merit demands. It presents us its annual offering of grateful refreshing fruit, just at the time it is most needed. Price, 15c each, except where noted; the set of 11 sorts for \$1.75-

Black Naples—Very large, Fine for wine or jellies.

Cherry—The largest of all the red currants.

La Versaillaise—Very large, long bunches, deep red, productive.

Lees Prolific, 30c; Red Dutch, Victoria, White Grape, White Goindoin, White Dutch, Utah Black, 30c. Utah White, Similar; 30c.

BLACKBERRIES.

Plant 3 by 8 feet apart.

Lawton, Kittatinny, Snyder and Early Wilson, 10c each; 3 sorts for 25c.

Hoosac Thornless, and Missouri Mammoth 15c each. Wauchusett Thornless, 20c.

EVERGREENS.

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

Norway Spruce—2 years, 3 to 4 inches; 10c each; 25c per 10; \$1.25 per 100; 4 years 6 to 8 inches, 10c each; 50c per 10; \$3.00 per 100;

American Arbor Vitæ—4 to 6 inches, 10c each; 50c per 10; \$4.00 per 100,

Arbor Vitæ (Golden.)—4 to 6 inches, \$1.00.

Arbor Vitæ, (Pumila.)—5 to 6 inches, 25c.

Arbor Vitæ, (Pyramidalis.)—6 to 8 inches 35c each.

Arbor Vitæ, (Siberian.)—4 to 5 inches, 25c.

Arbor Vitæ, (Tom Thumb.)—4 to 6 inches 25c each.

Arbor Vitæ, (Hoveyi.)—4 to 5 inches, 25c.

Arbor Vitæ, (Compacta), "Parson's"—5 to 6 inches, 25c each.

Cypressus Nutkænsis—6 to 8 inches, 50c.

Lawson's Cypress—5 to 6 inches, 35c.

Lawson's Cypress, (Erceta Viridis.)—6 to 8 inches 50c.

Irish Juniper—4 to 5 inches. 25c each.

Swedish Juniper—4 to 5 inches, 25c each.
 Juniperus Suecica Nana—4 to 5 inches 25c.
 Pine, (Austrian.)—4 to 6 inches, 15c each.
 Pine, (Scotch)—4 to 6 inches, 15c each.
 Podocarpus Nubigen—4 to 5 inches, 40c.
 Retinospora Plumosa—4 to 5 inches 25c.
 Retinospora Plumosa Aurea—4 to 5 inches 35c each,
 Retinospora Squarrosa—4 to 5 inches, 25c.
 Yew, (Elegantissima)—4 to 5 inches 25c.
 Yew, (Irish)—3 to 4 inches, 35c each.
 Box Tree—3 to 4 inches, 20c each; 4 to 6 inches, 25c.
 Box Tree, (Elegantissima Variegata)—6 inches 35c.
 English Holly—4 to 6 inches 35c, each.

DICIDUOUS TREES.

Catalpa Speciosa, (HARDY, OR WESTERN CATALPA,—This early blooming upright growing variety appears to be much harder than the common syringafolia, having proved itself capable of enduring the severe winters of Wisconsin and Iowa, making, when planted in groves, very straight symmetrical trees, suitable for posts or railway ties, for which purposes it is one of the most durable timbers known, lasting in many well authenticated instances, nearly or quite a century. 8 to 12 inches, 10c each; 30c per 10; \$1.00 per 100.
 Ash-leaved Maple—4 to 6 inches, 20c.
 Norway Maple—10 to 12 inches, 25c.
 Bycamore Maple—10 to 12 inches, 25c.
 European Linden—10 to 12 inches, 25c.
 Mountain Ash—European, 8 to 12 inches 25c.
 Magnolia Acummatic (Cucumber Magnolia) 10 to 12 inches, 25c.
 Magnolia Tripetela (Umbrella Tree)—5 to 7 inches 25c.
 White Flowering Horse Chestnut—one year trees; 35c.

FLOWER PLANTS,

BY MAIL POSTPAID.

Abutilon—Flowering Maple. Bushy plants, with white, yellow, crimson and striped flowers; erect and drooping species, green and blotched leaves; each 15c.
 Begonia—As choice pot plants, nothing can excel the fancy-leaved Begonias. Shade in summer. Warm temperature with little water in winter; each 25c.
 The plain-leaved summer bloomers are beautiful pot plants; each 15c.
 Darnation—Large stock of best varieties. Large plants, each 25c. to 50c.
 Cactus—Of these plants we have a good variety; each 25c. to \$1.00.

Cuphea—Cigar Plant. For pots, hanging baskets or bedding; always in bloom; 10c.
 Calla Æthiopica—Lily of the Nile. Showy white large flowers. Calla Maculoso, a variety of Calla with leaves spotted white; keep this one dry in winter; each 25c.
 Coleus—Used extensively for bedding in masses. In 24 choicest named varieties. Per dozen, 75c. each 8c.
 Feverfew—Double white, abundant bloomer, fine for planting out; 10c.
 Fuchsia—Fifty finest sorts, double and single; each 15c.
 Geranium—An immense stock in the finest varieties; double and single, white, pink, salmon, scarlet and crimson. From 2 in. pots, 10c. each, \$1.00 per dozen. 3 inch pots, 15c each, \$1.50 per dozen. Silver-leaved, tricolor and the best fancy-foliaged varieties; each 15c. and 25c.
 Heliotrope—Well known fragrant flower, ever in bloom; does well in the warm dry air of sitting rooms: white and dark purple varieties; each 15c.
 Hydrangea—Immense heads of pink and white flowers, continuing on all summer; wintered safely in cellar; each 25c.
 Hoya Carnosa—Wax Plant; 20c.
 Ivy—Several different varieties; each 15c.
 Lobelia—Drooping plants, good for hanging pots; blue flowers; each 10c.
 Linaria—Kenilworth Ivy. Neat for hanging pots; does best in shade; 10c.
 Pansy—Choice English seedlings; per dozen 50c.
 Roses—An immense stock of the ever blooming or Tea Roses, in 100 choicest varieties, pink, salmon, rose, white, buff, yellow, crimson, all the best shades. Long lists are puzzling to the inexperienced, hence if customers will send us a list of colors wanted, whether for summer or winter flowering, we will guarantee them reasonable satisfaction. Strong young plants from 3 inch pots, 15 cents each, or 8 for \$1.00
 Verbenas—In great variety. Per dozen, 75c; each 10c.

BULBS—ROOTS

BY MAIL, POSTPAID.

Amaryllis—Bulbs may be potted any time in spring; they bloom year after year; must not be allowed to freeze.
 Formosissima—Jacobean Lily. Dark crimson; each 40c.
 Antamasco—Pink and white; each 25c.
 Vittata—Extra fine, red ground striped with white; each \$1.25

Caladium—Esculentum—Roots should be planted in the spring, taken up in the fall and stored in a dry cellar. The Caladium is highly ornamental and very showy, the leaves frequently growing 3 feet in length. each 25 and 50c.

Canna—Beautiful foliage plants grow in from 3 to 6 feet high. In fall store roots in a dry cellar. Good mixed, 25c. each: Extra fine clumps, choice English; each 50c.

Dahlia—Especially attention is called to my large collection of these exceedingly showy and grand fall flowers, of which I grew last season nearly two acres of fully two hundred distinct varieties, comprising all the gorgeous shades and colors imaginable. Plant roots as soon as weather is warm. Before severe frost, take up the roots, cut off the tops, and when dry store in a cellar, packed in dry sand. Per dozen \$2.50; each 25c.

Gladiolus—Very beautiful and showy; tall spikes of flowers of many colors; bloom all summer. Plant in spring 3 or 4 inches deep, 6 inches apart in the rows; before severe frost, take up the bulbs and as soon as dry store in a cool place till spring. Fine mixed varieties, many shades of red.

Per dozen, 50c. each 5c.

Fine mixed varieties, light and white. Per dozen, \$1.00; per hundred, \$5.50; each 10c.

Fine mixed varieties, all colors mixed. Per dozen 50c.; per hundred, \$3.00

Madeira Vine—Ornamental climber of very rapid growth; thick, light green, glossy; leaves; keep roots in cellar over winter.

Small roots, per dozen, 50c; each 5c.

Large roots, per dozen, \$1.00; each 10c.

Double Tuberoses—The roots of this delightfully fragrant, pure white, wax like-double flower, may be planted from February to July. Before planting remove the small offsets; use good, rich soil, plant in 6 inch pots, one root in a pot. Good flowering roots, per dozen, 1.00; per hundred, 5.00; each 10c.

Extra large size, per dozen: 1.50; per hundred, 8.00; each 15c.

New Double Dwarf Pearl, per dozen 1.50; per hundred, 8.00; each 15c.

HARDY ORNAMENTAL SHRUBS.

Althea Frutex—(Rose of Sharon.) There are many varieties of this beautiful shrub, differing in color and shape of the flowers. A hardy shrub, easy of cultivation, and especially desirable on account of its blooming during the Autumn months when there are few other flowers.

Double Rose—25c.

Double Varigated—Pink and white. 25c.
Folia Variegata—Leaves conspicuously margined creamy white, flowers double purple. 35c.

Azalea Ponticum—A fine hardy shrub, producing an abundance of bright yellow flowers in early spring. 50c.

Cornus Sanguinea—A strong growing shrub, with clusters of fine white flowers; the stem and branches turning blood red in winter. 25

Calycanthus—Sweet Scented Shrub. Flowers purple, very double, and deliciously fragrant; remains in bloom for a long time; a very desirable shrub. 25c.

Corcorus Japonica—A slender shrub four or five feet high, with beautiful, double yellow blossoms from July to October. 25c.

Corcorus Japonica—Varigated. Similar to the preceding, with foliage variegated green and white. 35c.

Deutzias—Gracilis (Slender Branched)—A very desirable dwarf growing variety. Flowers pure white. A valuable plant for Winter blooming. 25c.

Crenate Leaved (Crenata)—Strong grower; profuse bloomer. 25c.

Crenata, (fl. pl.)—Flowers double white, tinged with pink. 25c.

Crenata, (fl. alba pleno)—A very valuable variety, of strong growth, producing its pure white double flowers in abundance. 25c

Daphne Cneorum—A beautiful low-growing evergreen shrub, flowering very freely in early spring, and at intervals through the summer; flowers bright pink, very fragrant. 50c.

Exochordia Grandiflora—A very beautiful and rare shrub, with large and distinct pure white flowers in May. 50c.

Forsythia Viridissima—Produces beautiful yellow flowers early in spring; leaves deep green. 25c.

Lilac—White and purple, 35c each.

Pyrus Japonica—Blooms early in spring; flowers bright scarlet; very hardy; 25c.

Purple Fringe—A beautiful, distinct, large shrub, much admired for its long, feathery flower stalks, which give the tree the appearance of being covered with a cloud of smoke; 25c.

Philadelphus or Mock Orange—Grandiflora. A large-growing shrub; snow white flowers in great profusion; June to July; 25c.

Rhododendron or Rose Bay—The most magnificent hardy evergreen shrub that grows, with broad, thick evergreen foliage of glossy richness, which is almost hidden in May and June by a splendid array of beautiful flowers in clusters each cluster large enough for a lady's bouquet.

Our collection of Dahlias is undoubtedly the finest in the West. It contains the choicest specimens selected from over 1000 varieties.

- Catawbiense and Maximum Seedlings—9 to 10 inches, 1.00; choice named sorts, 9 to 10 inches, 2.00.
- Snowball—A well-known shrub, attains the height of 8 or 10 feet, produces its showy, white flowers in large balls or masses in June; 25c.
- Spireas—Beautiful shrubs of the easiest culture. Very desirable for shrubberies or the flower garden; 25c.
- White Fringe—A tall-growing shrub with deep green foliage, pure white, drooping fringe-like flowers; extremely desirable; 35c.
- Wiegela—Hortensis Niyea—Flowers pure white; 50c.
- Hortensis Rubra—Flowers deep red when in bud, and nearly white inside when fully open. 25c.
- Rosea—Rose colored flowers in May and June; 25c.
- Rosea—(Nana Variegated). Leaves beautifully margined creamy white; flowers pink; 35c.
- Verschafellei—A strong upright grower; foliage and flowers much resembling roses; 25c.
- We will send six shrubs, each labeled, our selection of varieties for 1.00.

MISCELLANEOUS FARM SEEDS, ROOTS, ETC

We desire to call the especial attention of the farmers of Iowa, to our superior facilities for supplying them with Blue Grass, Clover, Timothy etc., of the best quality. This branch of our trade has grown rapidly, and is now so extensive that in handling seeds on a large scale, we are enabled to give you the full benefit of rock bottom prices on seeds in large lots. We cannot, and it is unreasonable to expect us to sell a peck, or a bushel at the same rate at which large orders are filled. The expense of handling, packing and delivering to the depot, is proportionately higher, and as the prices of heavy seeds, like hogs or corn, are subject to the fluctuations of the market, it is impossible to make close quotations for any great length of time. We therefore request our friends requiring large lots of seeds, to send us a list of their wants, naming the quantity, and we shall at all times be pleased to make you special quotations, and send samples if desired. The following prices by the "pound" include postage prepaid. The others are to be sent by express or freight.

- Broom Corn—Black Spanish, the finest corn, brings more in the market than any other variety; pkt 10c, lb by mail 50c, 3 lbs 1.00, bu by freight 3.00.
- Tall Evergreen—very fine; pkt 10c, lb 50c, 3 lbs 1.00, bu 2.50.
- Dwarf Evergreen—pkt 10c, lb 50c, 3 lbs 1.00, bu 3.00.
- Common—pkt 10c, lb 40c, 3 lbs 1.00, bu 2.00.
- Buckwheat—Silver Hull; pkt 10c, lb 50c, 3 lbs 1.00, p'k 75c, bu 2.50.
- Common; pkt 10c, lb 40c, 3 lbs 1.00, bu 1.50.
- Beans—Navy; pkt 10c, q't by mail 50c, bu market price.
- Corn—Blount's White Prolific; pkt 10c, q't by mail 50c, by Exp, p'k 1.50, bu 5.00.
- The Profit—This is an entirely new corn, the result of 9 years careful experiments, on Iowa soil, in which it has been the purpose to fix a type of common field corn, for profit, superior to any in cultivation, and profit in corn raising as we understand it, means, the largest yield of *shelled* corn (not cobs) maturing in the shortest time, and of the best quality, and these are the points we claim for this variety; we do not claim that it produces enormous large ears, and stalks 20 feet high. for this is not the case, but we
- do claim that it will *shell* more than any other variety with which we are acquainted; has the deepest grain and the smallest cob, in proportion to the size of the ear; it is medium early; very straight rowed; the color is variegated from light sulphur to bright orange, being agreeably deversified, making it particularly striking in appearance; by mail pkt 10c, lb 50c, 3 lbs 1.00, by Exp. p'k 2.00, bu 6.00, 2 bu 10.00.
- Mammoth Surprise White—Of especial value for making meal; of extremely fine quality. In this respect it is one of the very few varieties of corn which makes meal that can be bolted like wheat. It is a vigorous grower, stalks large and strong, ears large, well filled out, 14 to 28 rowed; by mail, pkt 10c, lb 50c, 3 lbs 1.00; by express, p'k 2.00.
- Compton's Early Flint—Ripens in 80 days; ears long, well filled; pkt 10c; express, q't 25c, p'k 1.00, bu 3.00.
- Large White Field—pkt 10c; ex. q't 25c, pk 75c, bu 2.00.
- Chester County Mammoth—Very large fine dent corn; large well-formed ears, producing enormous crops; pkt 10c, lb 50c, 3 lbs 1.00, ex. p'k 2.00, bu 5.00.
- Sweet Corn—For fodder or ensilage; pkt 10, ea. q't 15c, p'k 75c, bu 2.50.

Farmers—It will pay you to try the "Profit corn."

Clover—Essay on Clover, its cultivation, value, etc, sent for 6 cents.

Common Red—lb by mail 35c; bu m'kt pr.

Mammoth Red—lb 40c; bu m'kt pr.

White Dutch—lb 65c; bu m'kt pr.

Alsike or Sweedish—lb 50c, bu m'kt pr.

Alfalfa, ~~Luxury~~ or Chili—lb 50c, bu m'kt pr.

Italian or Scarlet Trefoil—A native of Italy.

Bears long heads of bright scarlet flowers; try it; lb 50c.

Grass Seeds—

Timothy—lb 25c; bu m'kt pr.

Kentucky Blue Grass—lb 40c, bu about 1.50.

Orchard Grass—lb 45c, bu about 2.25.

Red Top—lb 30c, bu about 1.50.

Millet Common—

German or Golden—

Pearl—The forage plant which is creating such a sensation. It is very distinct from the other varieties of Millet, growing to the height of 8 to 10 feet, and producing an enormous bulk of fodder per acre. It is quite nutritious, and is readily eaten by stock. By mail pkt 10c, lb 50c; by express 5 lbs 1.00.

Imported Grasses—From the most reliable sources. The price is by the lb by mail.

Perennial Rye Grass—Valuable for pasture or lawn, on good soil yielding very largely of forage; sow early in the spring.

Italian Rye Grass—Excellent for lawns or pastures; similar to last. Price of each, lb 40c, bu 3.00. Meadow Fescue 60c, Sheeps Fescue, 50c, Sheeps Fescue (fine leaved) 60c, Evergreen Fescue 50c, Red Fescue 50c, Tall Fescue 60c, Meadow Foxtail 75c, Sweet Vernal, 60c, Crested Dogtail 65c, Yellow Oat Grass 50c, Fall Meadow Oat Grass 50c.

Lower prices on large quantities of any of the above imported grasses. Send list of what is wanted for special prices by the bush, or more.

Lawn Grass—Fine mixed of the various kinds of grasses suited for the formation of lawns; lb by mail 40c, bu 2.00.

Central Park Mixture, lb 60c, bu 4.00.

Flax Seed—For sowing, bu about 1.50.

Field Peas—(Canada) bu 2.50.

Hedge Seeds—

Osage Orange—(For directions for sprouting see 1879 Manual, sent for three-cent stamp.) Per lb by mail 50c, bu m'kt pr.

Honey Locust—50 cents per pound by mail; 10 pounds or more by freight or by express 25c per pound.

Hulless Oats—Weighs 55 Pounds per measured bushel. Pound by mail, 30 cents; 33 pounds per bushel; 2.50.

Sugar Cane—Early Minnesota Amber. Grows to a good height and stands up exceedingly well. It is much richer in saccharine matter than any variety of African or Chinese cane yet introduced. The syrup is of a beautiful clear amber color, and exquisite flavor, being entirely free from that disagreeable odor, unpleasant taste and cloudy appearance that characterizes sorghum. It yields on an average about 200 gallons of syrup per acre, which readily granulates. It ripens very early, and is sure to mature as far north as latitude 44-30, which fact particularly recommends it to the northern portion of our country. It is very prolific in seed, which is valuable for food for stock or poultry. Any good corn land will do for cane. A light sandy loam will produce the heaviest crop. Plow deep and prepare the ground as for corn; plant seed in shallow checks or drills, when the ground is warm and moist. Cane grows slowly at and first, the weeds should be kept down until it is large enough to plow. This early work always pays well. Any missing hills may be supplied by transplanting the young plants. Only 5 or 6 stalks should be left to mature in a hill. If thoroughly cultivated until it reaches the height of 3 feet it will then take care of itself until harvest. Late plowing is liable to injure the roots. Cane should be cut as soon as the seed ripens, and a few days before grinding. Strip the leaves off while standing, *immediately before* cutting the cane. The leaves make superior fodder for stock. Our seed is strictly pure and reliable in every respect. Per pound by mail, 40c, 3 lbs 1.00; by express or freight, 10 lbs or more 20c per lb.

Sunflower for Poultry—It is greedily eaten and very nutritious.

Mammoth Russian—Per lb by mail, 50c, 3 lbs 1.00; express 10 lbs or more, 20c per lb.

Defiance Spring Wheat—Is a beardless, white chaff wheat, with heads frequently 5 to 6 inches long, very closely set white kernels. It has produced 528 pounds from a single pound of seed under good cultivation. Per lb by mail 40c, 3 lbs 1.00; by express or freight, p'k 1.00, bu 3.00.

White Russian Spring Wheat—lb by mail, 40c, 3 lbs 1.00; by freight or express, p'k 75c, bu 2.00.

Durra—(Sorghum Vulgare). This plant has been offered at various times under the different names of Indian or Great Millet, Guinea or Negro Guinea Corn, Chocolate Corn, Ivory Wheat and Pampas Rice. It is a valuable forage plant, growing from 8 to 10 feet in height, and yielding an abund-

ance of grayish green foliage greatly relished by stock. It is frequently grown for grain and yields largely. One grower in California reports having harvested as high as 200 bushels per acre. The culture is very simple; when grown for grain it is to be planted in hills and given plenty of room; the space given to common corn is not any too much. For fodder sow in drills from 2 to 3 feet apart, dropping the seed from 3 to 4 inches apart in the drills; when 6 or 8 inches high, thin to 8 or 9 inches apart; and when it has attained a height of 4 or 5 feet it may be cut for forage, which can be continued every third or fourth week until frost; by mail, oz 10c, lb 65c.

Catalpa Speciosa—by mail pkt 10c, oz 25c, lb 3.00.

SWEET POTATOES.

Yellow Nansemond—The standard sort for this country; p'k 75c, bu 2.00.

Southern Queen—Large white, very early variety; p'k 75c, bu 2.00.

Sweet Potato Plants—See vegetable plants.

ARTICHOKES.

Jerusalem—(White). Peck 50c, bu 1.50.

Brazilian—(Red). Peck 60c, bu 2.00.

ASPARAGUS ROOTS.

For directions for planting, etc, etc, see Asparagus seeds.

Conover's Colossal—1 year old roots per 100 75c, per 1000 5.00. 2 year old roots per 100 1.00, per 1000 8.00.

Onion Sets and Top Onions.

Yellow Sets—From seed.

Red Sets—From seed.

White or Silver Skin Sets—From seed.

Top or Button Onions—

Potato Onion Sets—

Each 50c per q't by mail; per bu m'kt pr.

Rhubarb or Pie Plant Roots.

Victoria or Mammoth—Each 25c, doz 2.50.

Vegetable Plants.

We are prepared to furnish vegetable plants in large or small quantities, from our hot-beds at the following rates: Those quoted "By mail," are sent at our expense, "By Express" at the purchasers.

Early Cabbage—Varieties: Early York, Jersey Wakefield, Early Winningstadt, Henderson's Early Summer. By mail 100 75c. By express 100 50c, 1000 4.00.

Late Cabbage—(Ready June 1st.) Excelsior Flat Dutch, Large Late Drumhead or Stone Mason Drumhead. By mail, 100, 75c. By express 100, 40c. 1000, 3.00.

Tomatoes—Livingston's Perfection, Acme, Paragon or Trophy. By mail, 1 doz. 20c. 100, 1.00. By express 100, 75c. 1000, 5.00.

Cauliflower—Erfurt, Favorite or Snowball; By mail doz 20c, 100, 1.00. By express 100, 85c. 1000, 6.00.

Celery—Henderson's Half Dwarf, or Boston Market, By mail doz 20c. 100, 1.00. By express 100, 75c. 1000, 5.00.

Egg Plant—New York Improved, by mail doz 25c.

Pepper—Large Bell, Sweet Mountain or Cayenne, By mail doz 25c. 100, 1.25

Sweet Potato—Yellow Nansemond or Southern Queen. By mail 100, 75c. 300, 2.00. By express 1000, 3.00.

The Mathews Garden Seed Drill.

With some is a great favorite, we can supply it if wanted. Price boxed for shipment, \$13.00.

The Philadelphia Broadcast Hand Seed Sower.

Is the best and most popular hand sower with which we are acquainted. Price only 6.00.

Address,

C. W. DORR, Des Moines, Iowa.

The Centennial Fanning Mill.

The lightest running and best Fanning Mill in the market. For circular and prices address,

C. W. DORR, Des Moines, Iowa.

THE STROWBRIDGE BROADCAST SEEDER,

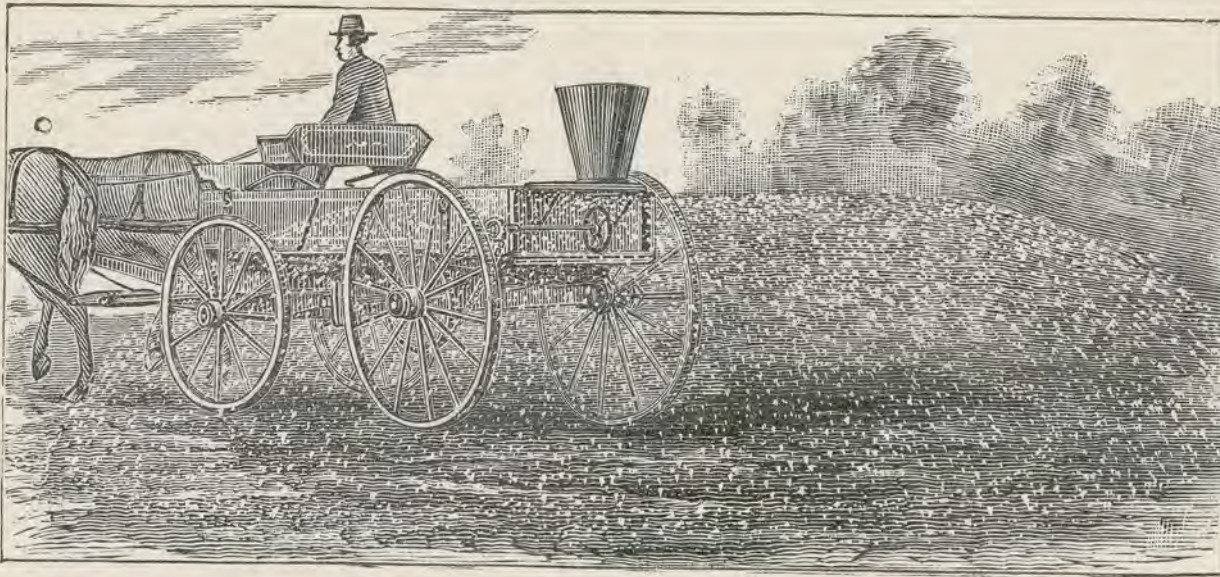
Manufactured by DES MOINES MANUFACTURING CO., Des Moines, Iowa, will sow 100 acres of grain or grass seed per day, and is an invention that commends itself to every practical farmer as a common sense, labor saving machine.

For descriptive and illustrated circular with testimonials, from farmers in Iowa who have used them add ess,

C. W. DORR, General Agent,

Des Moines, Ia.

See description and testimonials on next page.



The Strowbridge Broadcast Seed Sower,

Is an invention that commends itself to the Practical farmer, as a common sense labor-saving machine.

It will sow Wheat, Rye, Flax, Barley, Buckwheat, Peas, Corn, Hungarian, Millet, Clover, Timothy and every variety of seed and grain requiring broad-casting. Also, Plaster, Lime, Salt, Guano, Ashes, and all the various Phosphates used as fertilizers. It can be attached to any ordinary farm wagon. It is constructed of good material, and not liable to get out of repair. One machine with careful use will last a life-time. No farmer can afford to be without one. Its operation is so simple any one can use it. Farmers can regulate the quantity of grain sown per acre, as they desire. It can be used in corn stubbles as well as in other ground. No machine of any kind can equal it. Every farmer who has used it commends it, and would not be without it. With this machine a team walking one mile, will sow four acres of wheat. It is easy to calculate what can be done in a day. It sows a double or single cast just as required. Its operation is not affected by ordinary wind. In this respect it must be used to be appreciated. Too much cannot be said in its favor. It does away with the slow and tiresome hand sowing. All the farmer has to do is to remove the end-gate to his wagon, place the machine in its place, attach the chain wheel to the wagon wheel, load his seed into the wagon, and he is ready for work. It is strong, runs light and is warranted to do good work. We have yet to find the first farmer who has used our Improved Seeder, who has not been fully satisfied. In other words, it is all we claim for it.

Read a few of the testimonials of farmers who know what they are talking about.

The well-known firm of W. M. Fields & Bro., Stock Breeders and Importers, Cedar Falls, Iowa, write us as follows:—"We have used the Broadcast Seeder for several seasons, with entire satisfaction. Have seeded annually over two hundred acres of different kinds of grain. We consider the Seeder an indispensable implement to any farm for either seeding of any kind of small grain or seeds. It is a wonderful labor-saver and materially facilitates the farm work. We cheerfully recommend it to every one.

Yours respectfully, W. M. FIELDS & BRO

Willowedge Farm, Ft. Dodge, Iowa

I am much pleased with the Strowbridge Broadcast Seeder. I have used it now some three years. It sows all kinds of grain much better than can possibly be done by hand. For sowing clover, timothy, and flax seed, it is the best thing I ever saw. I should hardly know how to get along without it now.

Yours, L. S. COFFIN, Breeder of Short Horns

The following are all from reliable farmers in the vicinity of Des Moines.

Am satisfied the Strowbridge Seeder has unqualified merits. It is a labor-saving machine, and I take pleasure in endorsing it.

W. H. ZICKAFOOSE.

Your Seeder is a capital grand thing. The wind don't effect the sowing, which is a grand virtue, and above all it is speedy.

S. W. GLAZE.

The wheat I sowed with your Seeder came up very even and nice. The machine saves a vast amount of labor. It sowed ten acres of timothy this season to my entire satisfaction. Can heartily endorse it.

Wm. COOK.

After seeing "The Strowbridge Sower" work, I resolved to do away with my old seeder, and purchased one. The Strowbridge Sower makes a cast of thirty-two feet wide, and so even does it deliver, that I am unable to find two seeds lying together. I will have no other.

ROBERT WALLACE.

Sowed sixty acres of small grain with the Strowbridge Broadcast Seeder this season. It is my ideal seeder. All my neighbors remarked that my wheat and oats are exceedingly even in stand this year. Don't ask me to use any other.

LYSANDER ELLIS.

I am highly pleased with the Sower I purchased of you last Spring. Sowed wheat with it when the wind blew at a rate of sixty miles an hour, and strange to say the seed was evenly cast. No small grain raisers can afford to be without this Seeder.

MELL McCONNELL.

Sowed between two and three hundred acres of wheat and barley during the past season, with the Strowbridge Broadcast Sower." It works first-rate. To have sowed this amount by hand would have been a tedious job. As a time and labor-saving machine it is unsurpassed.

WM. ASHWORTH

It requires no elasticity of conscience to say that the "Strowbridge Broadcast Sower" is everything that is claimed for it. With the one I purchased last spring, I have sowed one hundred and fifty acres of wheat and oats, to my entire satisfaction. In short it is a success.

J. H. WINDSOR.

Des Moines, Dec. 29, 1881.

DES MOINES MANUFACTURING CO.—*Gentlemen*—

I bought one of your Strowbridge Broadcast Seeders last spring and have found it in every respect as you represented.

H. G. Gue.

Price \$25.00 delivered on cars at Des Moines, ready for shipment.

Manufactured and sold by

Des Moines Manufacturing Co.

Des Moines, Iowa.

Flower Stands and Brackets.



No. 5 Stand. Price \$9.00.



No. 1.

No. 1.	1 cup,	9	inch arm....	\$.75 each
No. 2.	2 cups,	9	inch arm....	1.00 each
No. 3.	3 cups,	9	inch arm....	1.50 each
No. 4.	4 cups,	9	inch arm....	1.75 each
No. 5.	1 cup,	3½	inch arm....	.40 each
No. 8.	1 cup,	5	inch arm....	.40 each
No. 80.	1 cup,	7	inch arm....	.50 each
No. 40.	1 cup,	10½	inch arm....	.75 each
No. 50.	1 cup,	8	inch arm....	.85 each

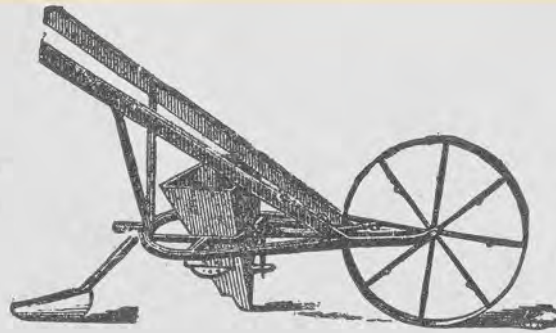
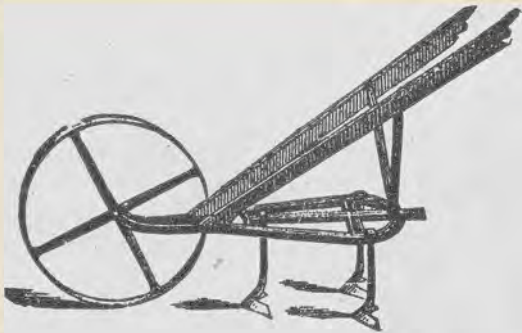
Sent by express.



Hooks for Bird Cages and Hanging Baskets—
No. 1 bronzed, projects 8 inches—by mail 25 cents each.

Our wire stands are of superior strength and extra finish: they are all painted beautiful green and bronzed with gold bronze, making them very attractive and ornamental. They are all mounted on substantial castors for convenience in moving about the house. They can be shipped with but trifling expense to all parts of the country as freight. Three or four stands can often be sent a long distance as cheap as one. Several handsome patterns ranging in price from \$5.00 to \$14.00, according to size and style. No. 5 is one of the most popular and desirable.

COMSTOCK'S HORTICULTURAL IMPLEMENTS



These implements comprise, in simple combinations, a Wheel Seed Sower, Wheel Cultivator, Wheel Rake, Wheel Scuffle Hoe, Wheel Shovel Plow, Wheel Strawberry Runner Cutter, and Wheel Verge or Turf Cutter. Comstock's Hand Cultivator and Onion Weeder combined, in the cultivation of onions, Carrots, and other small drill crops, will do the work of six men with hoes, and do it with ease. It pulls the weeds and thoroughly pulverizes the soil. For cultivation and weeding, we believe it has no superior. The changes for each kind of work can be made in a few minutes, and every implement of the combined machine works as well as if made specially for the purpose. With any of them one man accomplish with ease as much as half a dozen men with common tools, and do better work. They are shipped by express or freight, either from Des Moines or the factory. The combined implement weighs about 20 lbs. Full instructions for using sent with every machine. Prices include boxing and delivering at freight or express office.

Hand Cultivator and Onion Weeder Combined..... \$7 00
 Seeder Sower, Hand Cultivator and Weeder combined..... 12 00
 Seed Sower only..... 8 00

EXTRA ATTACHMENTS.

To make up the price of any combined implement, add price of the attachment wanted to \$7.00, the price of the Cultivator and Weeder—thus, for the Verge Cutter add \$1.25, making..... 8 25

Hopper & Coverer to make a Seed Sower of a Cultivator..... 5 00
 Set of 2 rakes and 3 teeth to make a Cultivator and Weeder of a Seed Sower..... 3 75
 Wheel and Knife to be fixed to the Cultivator to make a Strawberry Runner Cutter.. 2 00
 Extra Steel Plates, for replating teeth when worn, each..... 17
 Shovel Plows, the set of three..... 1 50
 Mole Plow..... 75
 Verge or Turf Cutter..... 1 25
 Scuffle Hoe..... 1 25

Complete illustrated circular sent on application.



RUHLMANN'S WHEEL HOE.

Will do the work of 8 men with the common hoe. Embraces all points requisite to make a capital tool. The handles can be raised to suit. Knife blades set to any pitch, and from 7 to 16 inches in width, and when in working order is firm and strong, with nothing to become loose or shaky. This implement has given entire satisfaction. Price \$5.50 boxed and delivered at freight or express office.



Prices by Express.

With 4 foot pole.... \$2 00
 With 6 foot pole.... 2 25
 With 8 foot pole.... 2 50
 With 10 foot pole.... 2 50

The simplest and best Tree Pruner in use.

Address all orders to C. W. DORR, General Agent Des Moines, Iowa.

Remember our Newspaper Premiums,

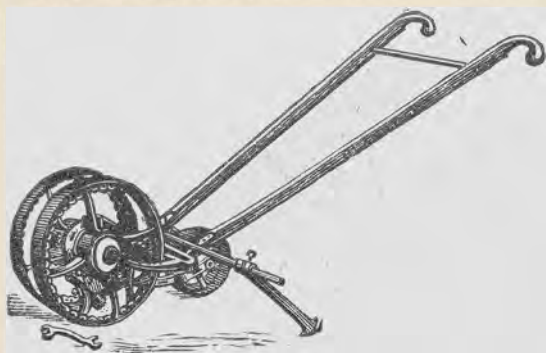


BLISS'S AMERICAN WONDER PEA.

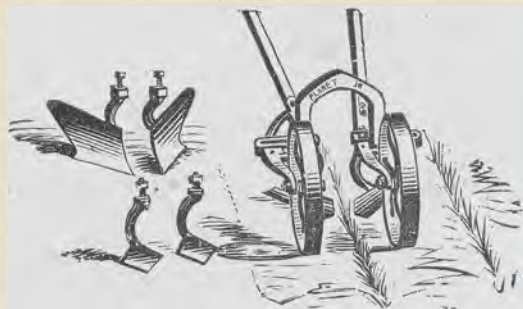
The Earliest and Most Prolific Dwarf Wrinkled Pea in Cultivation.

Planet, Jr. Horticultural Implements

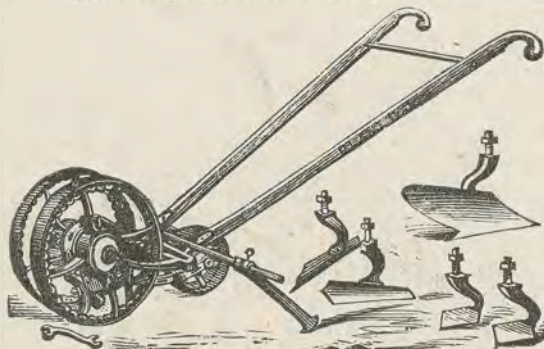
Are among the best known and latest improved implements for the garden and farm.



DRILL NO. 2, \$12.00



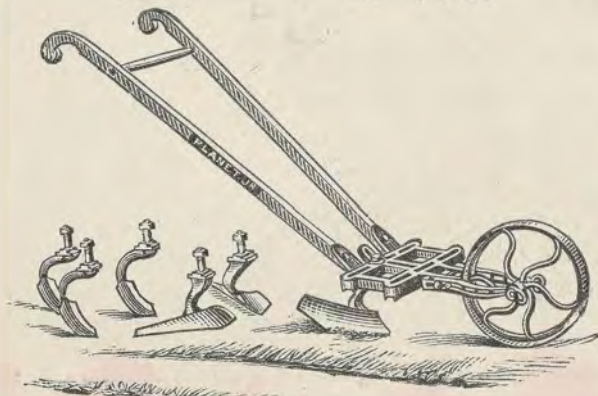
DOUBLE WHEEL HOE, \$10.00



COMBINED DRILL AND WHEEL HOE, \$14.00



THE FIREFLY PLOW, \$4.00



SINGLE WHEEL HOE, PLOW AND CULTIVATOR COMBINED, \$7.00

Thoroughly made and finely finished, ^m similar tools that we have ever sold have been ⁿ more popular. Every one of these implements is a practical all day tool.

The Planet, Jr. Garden Drill No. 2,

Sows with ease and accuracy, at any exact depth or thickness, all garden, field and nursery seeds possible to be sown with a drill, and quickly repays its cost in saving seed, time, labor and better crops to all who grow these vegetables for home and market,

Price, boxed, \$12.00

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

When used as shown in the cut it will shave close to the small plants both sides at once, without covering them, and ten times faster than with the hand hoe, doing perfect work. When the two cultivating teeth are used, it loosens the ground thoroughly, killing the young weeds and cultivating deeply, while with the two small plows neat furrows can be thrown to or from the rows of Potatoes, Peas, Beans, Celery, &c. Price, boxed, \$10.00.

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

This tool though somewhat smaller than the others, combines in itself the working qualities of both, being as efficient as a drill, and equally as efficient as a hoe and cultivator, except for large plants. The STEEL GARDEN PLOW is a treasure in itself. Price, boxed, \$14.00.

The Firefly Hand Hoe and Plow.

This tool does nearly the whole work of the tending the garden from Spring to Fall, opening furrows, covering, hoeing and plowing to or from, shallow or deep; and for 1882 is made stronger and better, and with eyes for attaching a drawing rope when breaking up the garden deep before planting in the Spring. Price packed, \$4.00.

Single Wheel Hoe, Plow and Cultivator, Combined.

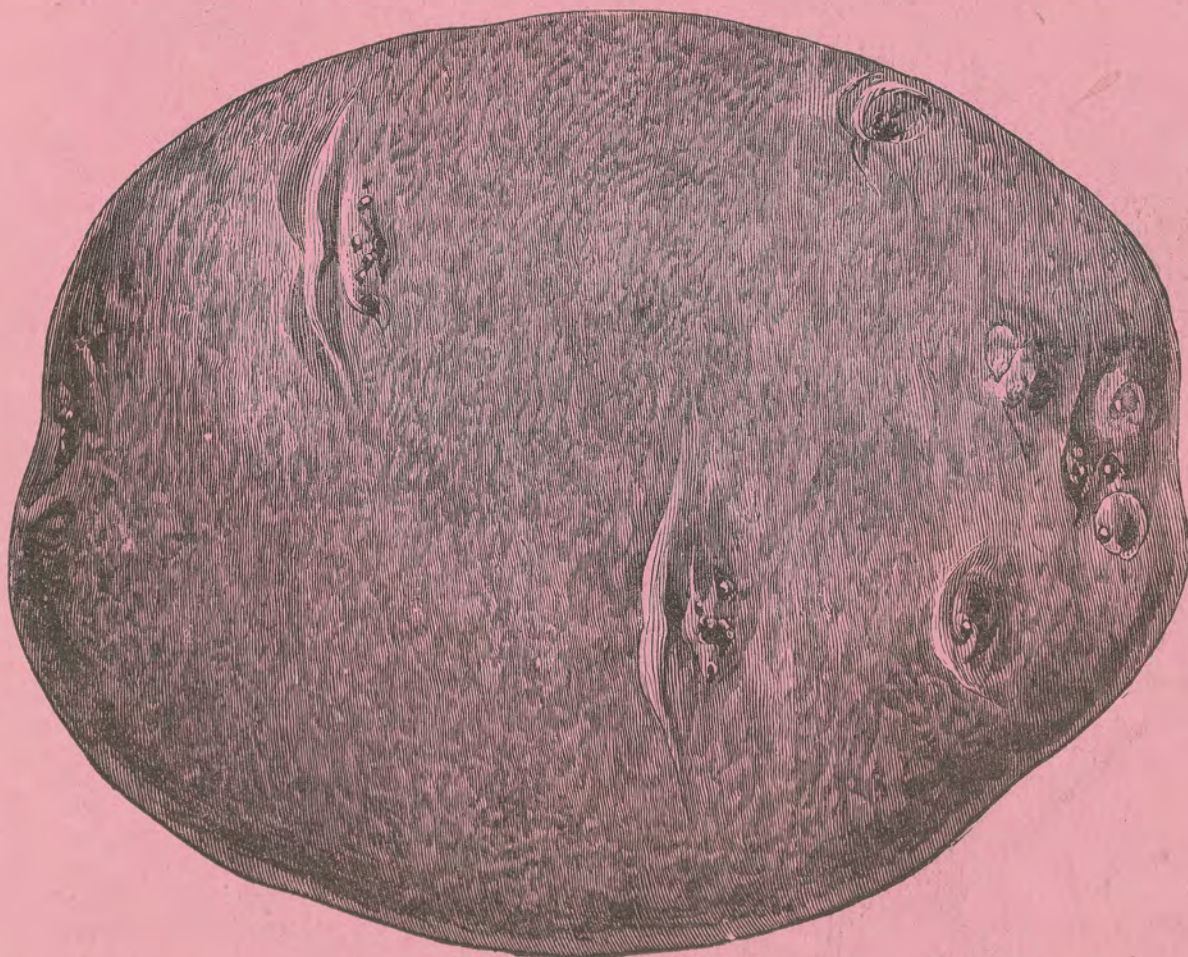
This is a new tool. It combines the qualities of the Double Wheel Hoe and the Firefly plow. It has a pair of exchangeable hoes to be used while the plants are small, to throw the dirt either to or from the row; a set of reversible cultivator teeth and a garden plow. The wheel is adjustable to any height. Price \$7.00

For more complete description of these popular tools see the large New beautifully illustrated Catalogue, sent to any address, on receipt of postage stamp. Address,

C. W. DORR, General Agent,
Des Moines, Iowa



CUBAN QUEEN MELON.



OUR NEW POTATO FOR 1882—

Parson's Prolific.



EGYPTIAN TURNIP BEET.

This excellent variety has proved to be a most valuable acquisition. Its merits consist in its great earliness, being equal to the Bassano in this respect, but having the advantage over that variety in having small and upright leaves, allowing it to be grown nearly twice as close together. In color it is a rich deep crimson.