

IOWA SEEDS

ARE THE BEST.

1889



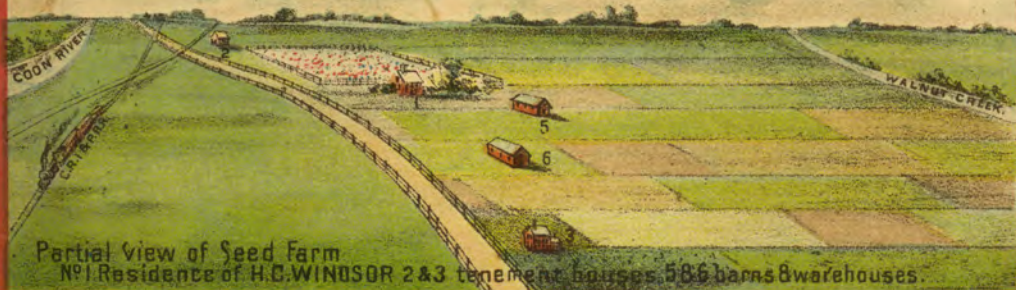
Bouquet
Collection

Gladiolus

APIOS
...TUBEROSA...
3 FOR 25 CTS.

PASSION VINE
...20 CTS...

IOWA SEED CO.
DES MOINES IOWA.



Partial View of Seed Farm
No 1 Residence of H.C. WINDSOR 2&3 tenement houses 5&6 barns 8 warehouses.

CHOICE VEGETABLES

INTRODUCED AND SOLD BY

THE IOWA SEED COMPANY.



IOWA SEED CO'S
IMPROVED GROUND CHERRY



Packet 10 cts.



10 cts. per packet



10 cts. per packet

RICH, DELICIOUS and HANDSOME 1889 NOVELTY.



MOCK CITRON



PRESERVES * JELLY * CANNED

GARDEN LEMON

15 cts. per packet



SWEET PICKLES



MARKET
GARDENERS
BEET



PERPETUAL
WHITE
SUMMER RADISH

50
CENTS,
for the above
6
NOVELTIES.

NOVELTIES * FOR * 1889

THIS list contains "the cream" of all the novelties for this season. As the introducers of so many varieties of sterling merit, which are now listed by many of the most prominent houses in the United States, we have only to say that we have exercised our usual strict care to offer only those varieties which have proven to be decided improvements on the older kinds. Being in correspondence with the leading seedsmen, seed growers and horticulturists in this country and Europe, we receive samples of varieties claimed to be new from all over the world, and test their merits on our own grounds. We had about 600 varieties of seeds and potatoes in our test this year. Our PERFECT WHITE SPINE CUCUMBER, EARLY DES MOINES SWEET CORN, MARKET GARDENER'S BEET, TABLE GUERNSEY PARSNIP, PAGE'S STRIPED RICE POP CORN, IMPROVED GROUND CHERRY, VINE PEACH, BONANZA POTATOES and PROFIT CORN have become standard varieties with all who have once grown them. If you have not grown them, don't fail to try them this year, and it will pay you to try any or all of the varieties named in this list.



IOWA SEED CO.'S NEW MARKET GARDENER'S BEET.

This is undoubtedly one of the best novelties ever introduced, and it has received much praise from our customers during the past year, as well as leading eastern horticulturists. Its shape and color are well illustrated on the cover of this catalogue, and are all that can be desired. Ten years ago in a field of Henderson's Pineapple Beet, grown on our seed farm in Madison county, we discovered some differing in shape from that valuable old variety. We have each year kept up this constant selection, keeping in mind this ideal shape, color and size, until this year we think we have as near perfection as can be attained. As will be noticed, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. At the age of the Egyptian it is larger, while it continues to grow until late in the fall, attaining a large size and making a good selling and eating beet for winter.

By the first of October they measure eight inches in diameter and average six pounds each in weight. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety.

Color outside is deep blood-red; inside layers of blood-red and light red alternately. When cooked they are a beautiful dark red throughout, fine grained and unsurpassed in quality.

Summing it all up, we find in it the Best Beet for Early Market, the Best Beet for Winter Use, and owing to the small tops permitting them to be grown close together, and the peculiar shape of the bulb, it is the Most Profitable Beet for the Market Gardener and for the family garden of any we know of.

We want each one of our thousands of customers throughout this country to give this Beet a trial, and we know they will find we have not given it too high praise. Per pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.

Greenfield, Iowa, Aug. 28, '88:—I shall sow only your New Market Gardener's Beet after this; it is as early as the earliest and makes the best late beets from the same sowing. Its shape and quality are perfect.
M. KURTZWEIL, Market Gardener.

West Windham, N. H., Oct. 18, '88:—Your Market Gardener's Beets were extra nice. They grew well and were the largest of my garden beets with nice, well formed bulbs. JOHN D. K. MARSHALL.

VINE PEACH.

This splendid novelty which we introduced in 1886, was first called to our attention by one of our customers in Minnesota. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation.

The fruit is about the size of a large peach, oval-shaped and of a bright orange yellow color somewhat russeted. When it first ripens it is quite hard and has very little flavor, but soon they become mellow and sweet, and have a rich flavor. When ripe the fruit falls from the vine, the flesh is very firm with a small cavity in the center, and when peeled and the seeds taken out they much resemble peaches. For sweet pickles, pies or preserving they are superb. Receipts for preparing them in various manners for the table will be sent with each order.

In the west and northwest where fruit is scarce, we feel certain that they will quickly become popular, as they are easily cultivated, wonderfully prolific and can be used in every way in which you would use a peach, except that they are not usually liked raw, although some consider them excellent simply sliced with a little sugar on. Market gardeners are already having considerable call for them from their customers. Try them and we know you will be pleased. Per pkt. 10 cts. ; oz. 30 cts.

IOWA SEED CO.'S NEW



FROM A PHOTOGRAPH.

London, Ont., Oct. 26, '88:—"We tested the Vine Peach sent us last spring, and were well pleased with it and shall advertise it the coming season. Please send us ten pounds of the seed."

JOHN S. PEARCE & CO., Seedsmen.



**New Short Stem
Drumhead Cabbage**

**The Finest Strain
—OF—
LATE DRUMHEAD
In Cultivation.**

This improved variety for surpasses the old strain of Large Late Drumhead Cabbage, ripening earlier, with very short stock or stem, forming larger and thicker heads, of fine quality and the best of keepers. Owing to continued selection for several years past, this variety is remarkable for reliability of heading, every one who plants it can expect at least ninety-eight large solid heads from every one hundred plants. It is almost all head, and always sure to head. Per pkt. 10 cts. ; oz. 20 cts. ; $\frac{1}{4}$ lb. 65 cts. ; lb. \$2.75, postpaid.



Iowa Seed Co.'s Improved Ground Cherry.

Another year only adds to the popularity of this already very popular little fruit which we introduced to our customers in 1887, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry. They grow well on most any dry soil, are easier raised than the tomato, and are prolific bearers, and oh! such luscious fruit. For sauce they are excellent, and for pies nothing can equal them in flavor and taste. They are delicious as preserves, and when dried in sugar are much better than raisins for cake or puddings and they will keep, if put in a cool place in the shuck, nearly all winter. Cooking directions accompany each packet. No one after raising them once will ever make a garden again without devoting a small portion at least to the Ground Cherry. A leading Market Gardener writes us on Aug. 28, 1888:—"Your Improved Ground Cherry is certainly an improvement on the old Garden Ground Cherry. I have one-fourth acre of them, but have not enough to supply the demand." Gardeners here market them in quart fruit boxes, and they are sold by leading fruit dealers here. Per pkt. 10 cts.; $\frac{1}{4}$ oz. 30 cts.; oz. 50 cts.

NEW "DIGNITY" MANGEL.

No crop pays the farmer or stock raiser better than Mangels. The Dignity stands head and shoulders above all others; unequalled for yielding and feeding qualities. Grows to a very large size, weighing thirty to fifty pounds, and will yield forty-five tons per acre with good cultivation.

If you want large crops of large Mangels of good quality, don't fail to try the Dignity. By express 5 lbs. for \$2.00; by mail per lb. 60 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts.; pkt. 5 cts.

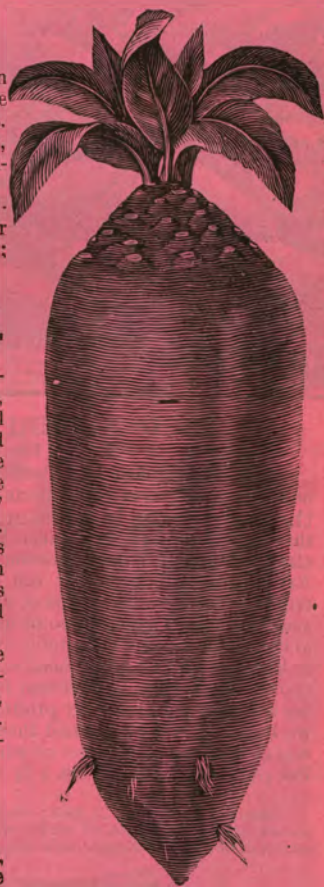
PAGE'S NEW STRIPED RICE POP CORN.

This splendid novelty, which is the result of a cross between the best White and Red varieties of Rice Pop Corn, we have been at work improving for several years, until now we have undoubtedly the best, handsomest and most attractive variety of Pop Corn in existence. We offered it to our customers in 1887, and it has proved to be an acquisition with which all are pleased. "Beautiful," "Splendid," "It takes the cake," is what they say of it. The color is a clear translucent white, and each kernel is beautifully striped with bright crimson, as shown in our illustration on the cover of this catalogue. The ears are of good size and well filled out; kernels are long and pointed, resembling rice.

It ripens earlier than any other variety with which we are acquainted; is unsurpassed in productiveness, extremely tender when popped, bursting out very large, white as snow, and of finest quality. All should try it. Per pkt. 10 cts.; pt. 35 cts.; qt. 65 cts.; all by mail prepaid.

COPPER KING ONION.

Undoubtedly the largest variety in existence, having been grown to the enormous weight of five pounds and six ounces, and notwithstanding their large size they retain their perfect shape and fine quality and do not become ungainly monstrosities. To obtain some idea of how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. They are of a beautiful copper color; flesh pure white, fine grained and mild. Per pkt. 10 cts.; oz. 50 cts.



NEW DIGNITY MANGEL.

IOWA SEED CO.'S PERFECT WHITE SPINE CUCUMBER.



CROP OF PERFECT WHITE SPINE CUCUMBERS.

[From a Photograph taken on our Adair Co. Seed Farm.]

We are proud of our Perfect White Spine Cucumber, and well we may be, as prominent horticulturists and experienced market gardeners pronounce it to be **undoubtedly the best strain in existence**. For nine years we have been growing and improving this variety on our seed farm, and as a result we offer to our customers this improved strain, which has been pronounced by good judges as superior to either the Peerless or Arlington. It is certainly the most excellent variety that we are acquainted with. The fruit is of even and good size, straight and always well formed and symmetrical. When small it is deep green in color and of uniform shape, making it unexcelled for pickling. When of usual size for slicing it still holds its beautiful green color, shading to light green at blossom end. As it matures it turns to a clear, beautiful white, very handsome and showy for market, so different from the common White Spine, which is of a dirty yellowish brown color. Immensely productive. Keeps longer solid and crisp than any other variety we know of. We have had them shipped a long distance and kept in a warm room for two weeks with no sign of rot or withering. **Outyields any other variety for pickles.** Per pkt. 5 cts. ; oz. 15 cts. ; $\frac{1}{4}$ lb. 40 cts. ; lb. \$1.35.

Geneva, N. Y., Oct. 23, 1888:—Seeds of the Perfect White Spine Cucumber were planted April 24th, plants in bloom July 5th, of pickle size July 16th. The plants were very productive and the fruits were uniform in size and shape, indicating careful selection.

PETER COLLIER,

Director N. Y. Agr'l Experiment Station.

MAMMOTH SANDWICH ISLAND SALSIFY.

Why don't you grow Salsify? We are certain if you grew it one year you would never be without it, and especially after having tried this magnificent new variety which averages fully double the size of the Long White. It is pure white, tender and delicious. Of great value to market gardeners. Per pkt. 10 cts. ; oz. 40 cts.



Improved Early Hackensack Musk Melon.

The common Hackensack, or Turk's Cap Melon, has been long and favorably known to all melon growers, it being very large and rich flavored, but inclined to be late. This new candidate for public favor holds its size, flavor and other good qualities remarkably well, and withal is a great improvement on its progenitor in that it is **fully ten days earlier**. All should try it. Per pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

The Emerald Gem Melon.

The melons are about the size of the Netted Gem, but, unlike that variety, the skin, while ribbed, is perfectly smooth and of a deep emerald green color. The flesh, which is thicker than in any other melon of the same size, is of a suffused salmon color, and ripens thoroughly to the extremely thin green rind. It is peculiarly crystalline in appearance, and so very juicy and rich that it almost drops to pieces (like a rich cake) when dipped out with a spoon. The flavor is **sweet and luscious beyond description**. On our trial grounds in Adair County, this melon **surpassed all others** in quality, and we are sure that all who grow the Emerald Gem this year will praise it as the finest flavored melon they have ever tasted. Mr. Edward L. Coy, of Washington Co., New York, says that "the Emerald Gem **ripened first** of twenty-two varieties I had growing this season, and was **VERY MUCH SUPERIOR IN QUALITY TO ANY OTHER I EVER SAW**. But they are **so thick meated** they yield but little seed. I **VERILY BELIEVE IT TO BE THE VERY BEST MELON IN THE WORLD**." Per pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.; lb. \$1.75.

NEW CELESTIAL PEPPER.

This new pepper, from China, is one of the most ornamental varieties we have ever seen, and is so beautiful in growth that it deserves a prominent place in the *flower garden*. The plant sets its peppers very early and continues until frost, *branching freely* and bearing profusely. It is wondrously productive, **forty peppers** having been counted on a single branch. Up to the time they are fully ripe they are of a delicate **creamy yellow** color, then **suddenly changing** to an intense vivid scarlet. They are all carried upright, and the *brilliant contrast in colors* makes a plant loaded with fruits an object of the most striking beauty and oddity. The peppers are of superior quality, of a clear, sharp flavor. Per pkt. 10 cts.; oz. 60 cts.

MAMMOTH SILVER KING

ONION.

Grows uniformly larger than any other Onion in cultivation, except the Copper King. The bulbs are of attractive shape, flattened, but thick through, as shown by the illustration. The average diameter of well grown specimens is from five to seven and one-half inches, thus making the circumference from **sixteen to twenty-two inches**. Single bulbs have been grown to weigh **over four and one-half pounds**. The yield is immense, having reached nine hundred bushels per acre. The skin is a beautiful silvery white, flesh white, sweet and pleasant, and can be eaten raw like an apple. Silver King cannot be too highly recommended for family use, for market or for exhibition. Per pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 85 cts.; lb. \$3.00.





THE PRINCESS MUSK MELON.

The introducer says that after a thorough trial the past two seasons this has proven the best and richest in flavor of over forty varieties tested. It is quite distinct from all other varieties, and possesses so many strong points of superiority that it must speedily become the most popular variety for family and market purposes. Our engraving, made from nature, shows their shape, which is nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and in flavor is sweet and luscious beyond description. They ripen early and grow to good size, frequently weighing eight to ten pounds each. This is a grand new variety which it will pay you well to try. Per pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.

IOWA SEED CO.'S NEW GARDEN LEMON.

We are pleased to introduce this to our customers this year as a novelty of 1889 well worthy their attention. A sample of this was sent us by one of our valued customers, and we have tested it two years on our Adair County and Polk County seed farms, and can recommend it highly. It resembles the Vine Peach in manner of growth and shape of fruit, but is distinct in that the unripe fruit is striped with very dark green, nearly black, while the Vine Peach is plain green, and when ripe it is not russeted like the Vine Peach. Fruit is somewhat smaller than Vine Peach, has thinner flesh and is most decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. The illustration on cover of our catalogue shows its manner of growth. Cultivate like musk melon, in hills three feet apart each way. Full directions for cooking in various manners accompany each packet. Don't fail to try it. In pkts. only, each 15 cts.; 4 for 50 cts.

Iowa Seed Co.'s New Perpetual White Summer Radish.

This variety introduced and offered by us last year for the first time, has given splendid satisfaction to all who tried it. They are of the shape shown on the cover of this catalogue, pure white, of uniformly good quality, crisp and brittle and they keep longer in a fit condition for the table than any variety we know of, hence their name, Perpetual White Summer. Can be sown any time of the year, and will always produce good radishes fit for market earlier than the Chertier and keep in perfect shape for marketing for about four weeks, or longer than that for home use. Per pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.

New Pepper--Mammoth Golden Queen.

The Largest, Handsomest and Most Productive of all.

We feel fully warranted in making the above strong claims for this handsome new Pepper, growing to twice the size of Golden Dawn, and averaging a third larger than Ruby King, of the most perfect shape and uniform large size. Each plant ripens from twelve to sixteen perfect fruits, from eight to ten inches long, and four to five inches through. In color they are bright, waxy, golden yellow, and so mild in flavor they can be eaten like tomatoes, with pepper and vinegar. Seed should be sown early, in hot bed or box in house. We grew a splendid crop of these on our Adair County Seed Farm the past year, and we can recommend them most highly. Per pkt. 10 cts.; oz. 70 cts.



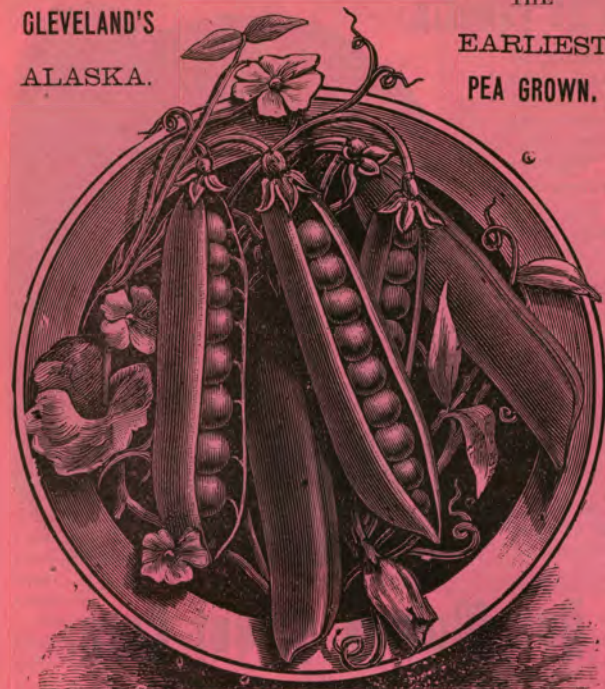
MAMMOTH GOLDEN QUEEN PEPPER.

CLEVELAND'S ALASKA.

THE EARLIEST PEA GROWN.

Cleveland's Alaska Peas.

Mr. Cleveland, the originator of this new variety, is also the originator of the celebrated Rural New Yorker Pea, which has attracted such universal praise. He claims that this is the earliest, the most prolific, the best in flavor, the best keeper in the pod, and the best color when shelled of any early variety of Peas. This variety has been given a thorough test by our customers, and especially by the Des Moines Market Gardeners, and they claim that they average two days ahead of all other extra earlies although the pods were somewhat smaller, so that when varieties like the Extra Early Challenge came in, the Alaskas were not so saleable. All gardeners will, of course, realize that the first few days are the cream of the market in Peas, and those who want to obtain the highest prices will not



fail to plant the Alaska. Per pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; all by mail postpaid.

WONDERFUL YARD LONG BEANS.

A rare curiosity and withal a bean of very good quality. The pods grow to the extraordinary length of three feet, are highly ornamental, are used when half ripe, when the thickness of an ordinary lead pencil, being round and altogether stringless; in sweetness, tenderness and superior flavor, equal to that of asparagus, excels all other beans. As a climber for arbors, porticos, etc., it is much admired, attractive and beautiful. Per pkt. 10 cts.; 3 for 25 cts.

IOWA'S CHALLENGE PEAS.

An extra early variety of superior merit which is a great favorite with Des Moines market gardeners. 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 it is of most luscious flavor. All the good qualities of the extra early are most nearly brought to perfection in the Challenge. Vines eighteen inches. Per pkt. 10 cts.; pt. 30 cts.; qt. 50 cts.; postpaid.



Lucas, Iowa, Nov. 12, '88:—All your seeds gave good satisfaction. The Market Gardener's Beets are the best I have ever seen. The Challenge Peas are the only kind I shall grow after this, they can't be beat for a good early Pea. The Table Guernsey Parsnips were the largest and best I ever saw. I took first premium at our County Fair with Silver King Onion, seed from your house.

WM. FLOWS, M. G.

King of the Mammoths Pumpkin.

This magnificent new pumpkin, recently introduced here, came from France, and is an acquisition to our list of Mammoth Pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. They are very often grown to weigh from one hundred to one hundred and fifty pounds, and the one from which our cut is made, raised in 1885, reached the enormous weight of 245 pounds. Wherever it has been grown it has attracted much attention. Henry West, of Rhodes, Iowa, writes us that he grew one weighing 158 pounds, and on the same vine had five other pumpkins weighing from 90 pounds to 104 pounds each. Over 640 pounds grown from one seed. Farmers and gardeners, just think of that kind of a crop in spite of dry weather. Will it not pay you to grow the KING OF MAMMOTHS and exhibit them at your county fair? Per pkt. 10 cts.; oz. 20 cts.; $\frac{1}{4}$ lb. 65 cts.



KING OF THE MAMMOTHS PUMPKIN.

Extra Early Des Moines Sweet Corn.

(See Illustration on Cover.)

Since introducing the Early Des Moines to the public we have received many flattering testimonials of its great value as an extra early variety. It is as early as any we have found, except the Cory, with ears much larger than most early sorts; supremely delicious flavor; very prolific. It has been grown and improved by some of the best market gardeners in this vicinity for something over twenty years, and since its introduction to the public by us, the demand has increased very rapidly, especially among market gardeners. The quality is not excelled in any sweet corn. Uniformly white cob. Per pkt. 10 cts.; qt. 40 cts.; postpaid.

"The Early Des Moines Corn with me comes in just right after Cory. It is but very little later, while the ears are much larger and the rows are very close set on cob, which is a good point in sweet corn."

M. KURTZWEL.

The New York Agricultural Experiment Station reports that the Early Des Moines Sweet Corn was planted May 23d, fit for table August 11th. Stalks grew four feet tall, the ears were from five to seven inches long, eight to ten rowed and were produced abundantly. It was much sweeter than most of the early varieties.

IOWA SEED CO.'S IMP'D TABLE GUERNSEY PARSNIP.

This is a greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. It is strictly a table variety, and has no resemblance to what is called the Guernsey Stock Parsnip, which is not good for table use. The roots do not grow as long as the Hollow Crown, but are of a greater diameter and more easily gathered. It is a very heavy cropper, the roots are smooth, with a very deep hollow crown and small top. The flesh is fine grained and sweet all the way through, and of excellent quality. Cooks evenly all through to the center, which is just as fine and soft and even in quality as outside portions. A field of these which were being grown for us for seed attracted the universal attention of market gardeners by reason of their extraordinary small tops as compared with other kinds, and their fine shape. It is sure to please all who try it. Last year our stock of seed was sold out long before the season was over, so that we were obliged to return considerable of the money sent us. However we have a good supply of it this year of our own growth. See illustration on cover. Per pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.

NEW ROSY GEM RADISH.

This wonderful new radish has won golden opinions in all sections of the country. The illustration is perfect from nature, and will give some idea of their great beauty. It is absolutely the earliest radish in cultivation. Their shape is perfectly globular, with rich deep scarlet top, blending into pure white at the bottom, **exceedingly tender, crisp and delicious**, never becoming hollow or pithy, equally desirable for either the market or home garden, and should be planted by everybody. Per pkt. 10 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 50 cts.; lb. \$1.50.

New Extra Early Express Cabbage.

"Excels in earliness all the sorts we have grown, has the shape and appearance of our well known *Etampes Cabbage*, but is smaller and eight to ten days earlier; has but a few outside leaves, and therefore may be planted very close and yield large crops; for forcing can hardly be surpassed."

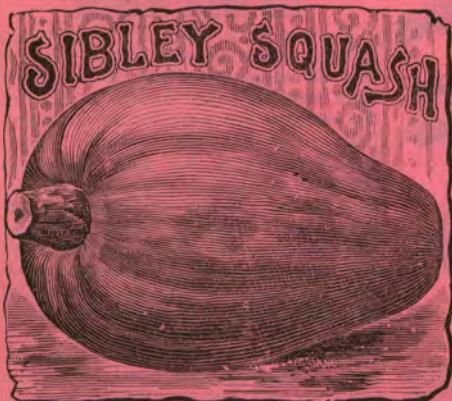
Above is a description of the Express Cabbage as sent out in France last year by the introducers of *The Etampes Cabbage*, now so justly popular. It has proved to be about one week earlier than the *Etampes* and is therefore an important acquisition for the market gardener. Per pkt. 10 cts.; oz. 30 cts.; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00.

Carroll, Iowa, Feb'y 2, '88:—"I bought seed of you last year; all done well. **Vine Peach yielded beyond all reason.**"
SYLVANUS WHITE, Market Gardener.

Orient, Iowa, Jan. 12, '88:—"I have bought seeds of your house for a number of years, both for myself and others, and have found them satisfactory."
FRED M. COLLINS.

NEW OSAGE MUSK MELON.

A new variety originated near Benton Harbor, Mich., and in great demand on the Chicago markets. The skin is very thin, of dark green color, and slightly netted. The flesh is salmon color of a luscious spicy flavor, extremely thick, sweet and delicious to the rind. The seed cavity is remarkably small. Per pkt. 10 cts.; oz. 35 cts.



NEW SIBLEY SQUASH.

Claimed to be a great improvement on the Hubbard. It originated in Iowa, and was named in honor of the late Mr. Hiram Sibley; is also called Pike's Peak by some dealers. The form, correctly shown by the cut, is obviously entirely new, having the stem at the swelled end. The shell is pale green in color, very hard and flinty, but at the same time so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick, a vivid brilliant orange in color, dry, and has a rich delicate flavor peculiarly its own. In productiveness the new Sibley Squash has decidedly the advantage of either the Hubbard

or Marblehead. In its keeping qualities it excels all, remaining in a good dry cellar, perfectly sound until the last of March, constantly improving in flavor and quality until the very last. Per pkt. 10 cts.; oz. 25 cts.; $\frac{1}{4}$ lb. 75 cts.



EARLY PROLIFIC MARROW SQUASH.

This new variety has been proven by trials made under varying conditions of soil and climate by seed growers and gardeners in different parts of the country to be a most valuable acquisition. There is no variety for fall and winter that can compete with it in earliness and productiveness, the two most important features for the market gardener, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. A large crop of this variety, which were being grown in Nebraska for seed last season, was the finest and handsomest field of squash we ever had the opportunity of seeing. Per pkt. 5 cts.; oz. 15 cts.; $\frac{1}{4}$ lb. 60 cts.



NEW GOLDEN ANDALUSIA WAX BEANS.

We gave this variety a thorough test in our trial grounds this season and were very agreeably surprised with it. It is undoubtedly the Finest Pole Bean in existence and its handsome, large golden pods are borne in great profusion, one half bushel having been picked from a single vine. Pods are entirely stringless, broad, fleshy and exceedingly rich and delicious. Is quite early, and clings to poles better than other variety we had on the place this year. Don't fail to try it. Per pkt. 15 cts.; 4 pkts. 50 cts.

NEW KALAMAZOO CELERY.

There is probably more celery shipped from Kalamazoo than any other town in the United States, and it has attained a high reputation in all large markets, owing to its handsome appearance, solidity, crisp eating and delicious flavor. We have this year succeeded in obtaining a quantity of the seed and should like to have all our customers try it.

It is perfectly distinct, and is of a beautiful cream white color throughout, attains a very large size, is of quick growth, stiff, close habit, while by reason of its neat growth and showy and handsome appearance it is a specially valuable variety for market. It is also a first-class keeper. For the use of hotels, restaurants, and other large establishments, it is unequalled, there being scarcely any waste in dressing it for the table. It is sure to take the lead among the white varieties of celery, and should be grown in every garden, large and small alike. Market gardeners, if you want a good thing do not fail to give the "Kalamazoo" a trial. Per pkt. 10 cts.; oz. 40 cts.



RED CROSS PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant a few for themselves and the children. This very desirable variety as early as the earliest, the most hardy, very prolific and of the best quality. Boys, here is a chance for you. Think of growing Peanuts in your own garden, and having plenty of them to eat. Plant soon as ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two or three inches. The soil should be deep and mellow and well broken up, so as to be ready for planting soon after frosts are over—April is a suitable time. They produce 25 to 70 bushels per acre, and are as easily cultivated as corn. "Splendid to fatten hogs and children." Price per large package, 10 cts.; lb. post paid, 50 cts.



New Dwarf Champion Tomato.

Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short jointed, it is **actually self-supporting** when laden with fruit, a characteristic we have seen in no other variety. The foliage is also distinct and peculiar, being very dark green in color; thick and corrugated. Its close upright growth also enables it to be planted much nearer together than any of the older sorts, and the yield, therefore, is likely to be much greater, for in **productiveness** it is **unsurpassed**. At their best stage we had plants that had on half a bushel of grown fruit, green and ripe. It is also very early. The fruit resembles the Acme, and is of a purplish pink color, and always smooth and symmetrical in form. It is of

medium size and attractive in appearance; the skin is tough, and the flesh solid and of fine quality. Altogether the Dwarf Champion Tomato is a decided acquisition, whether wanted for market or for private use. Can almost be called a Tree Tomato. Don't fail to try this novelty. Per pkt. 10 cts.

NEW ASTRO CUCUMBER.

A rare novelty, sure to excite the curiosity of your neighbors. It attracted more attention than anything else in the vegetable line at the State Fair, except the Yard Long Beans. Try it and see how many persons will lean over the fence and ask, "What's that?" It is the **largest variety we have ever seen**. With common outdoor culture growing fifteen to eighteen inches in length and with very few seeds. Excellent for slicing; flesh white and very crisp. In pkts. only, each 10 cts.; 6 for 50 cts.

FLORAL NOVELTIES.

FOLIAGE BEETS.

The new ornamental bedding plant, and one of the most effective foliage plants in existence, its leaves producing a wealth of **tropical beauty**. Its metallic, lustrous and glistening leaves equal any of the most expensive exotics and conservatory plants. Some of the varieties have leaves *three feet in length and one foot in width*, with glistening varnish like surface and an intense scarlet midrib surrounded on each side by the most **exquisite shading and variegation**. Others have mid-ribs of deep crimson, blood red, light yellow, golden yellow, silvery white, etc., and are veined with same colors. Seed may be sown in bed out doors and transplanted as soon as they are large enough to show colors, into very handsome ribbon beds or borders, or may be sown where wanted. Are very handsome as pot plants and are used as the most effective decorative plants in some of the most elaborate ball-room decorations in New York City. Our collection contains nine of the handsomest varieties. Per pkt. 10 cts.; oz. 35 cts.

EDELWEISS.

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





GIANT TRIMARDEAU PANSIES.

"THOSE LOVELY PANSIES."

We offer this season two of the choicest new Pansies that have ever been produced. Every one loves Pansies, and every one should try these new varieties this year. They cannot be obtained from any one but the Iowa Seed Co.

IOWA BEAUTY—Of all the varieties of Pansies ever introduced this is certainly the finest. It contains a great number of varieties, all of which are beautifully marked, blotched or striped with the handsomest and most delicately blended colors. The flowers are of rich, velvety substance and perfect shape, and larger than any other kind, except our Iowa Giant and Trimardeau. All should see the large colored representation of these in our store. Per pkt. 25c; 5 pkts. \$1.

IOWA GIANT—The largest variety of Pansies in existence; equal, if not larger, than the Trimardeau, and of much better colors. Is much larger than the Iowa Beauty, but has not the velvety substance and delicate rich colors of that variety. They produce a great variety of shades and markings, and are sure to please all pansy lovers. Per pkt. 25 cts.; 5 pkts. \$1.00

GIANT TRIMARDEAU—Was offered by us last season for the first time, and has given splendid satisfaction. An altogether distinct and beautiful new class of Pansy, the flowers of which are of very large size; some have measured four inches in diameter—in fact, larger than anything hitherto attained in the genus. Each flower is marked with three large blotches or spots, and stands well above the foliage; the plants may be expected to produce the same endless variety and beautiful shades of color that are found in other classes of this popular plant. They continue to bloom profusely throughout the season. Per pkt. 25 cts.

GOLDEN TRIMARDEAU—Has the large size of the above variety, but is of a rich golden yellow color. Remarkably handsome and showy variety. Per pkt. 25c.

SPECIAL—One packet each of the above four varieties for 75 cts. Plants of the above varieties 75 cts. per dozen, postpaid.

Phlox Drummondii, Cuspidata or Star

A magnificent novelty for 1889, which is of such extraordinary form and beauty that every lover of the beautiful "must have it." The growth is generally four inches dwarfer and the habit slightly more compact than the common. The size of the flower is partly the same, partly a little smaller, but the pointed center-teeth of the petals (five in number) are four or five times as long as the lateral ones and project beyond them like little spines $\frac{1}{2}$ to $\frac{3}{4}$ inch long. Thus the flowers appear to have a splendid, long-pointed, distinctly marked, regular star-like form, whose beauty is improved by the broad, white margins, which borders the edges of the petals. This novelty will soon prove to be one of the finest flowers for fine bouquets and garden culture. A first-class certificate of merit has been awarded to this novelty by the Royal Prussian Horticultural Society. Per pkt. 25 cts.





Verbena Hybrida Erecta Compacta.

A new and fine strain, remarkable for its growth. The plants spread so as to form almost circular bushes of about two feet in diameter, throwing up in a singularly compact manner on stiff and erect stems a great number of flowers, which are elegantly carried above the dark green foliage. The individual flowers are large and well formed, the mixture contains a great variety of color. Per pkt. 25 cts.

NEW STRIPED LARKSPUR.

This handsome novelty, which we introduce this season, we are certain will be appreciated by all lovers of flowers. It is quite well illustrated on the cover of this catalogue; still, but a faint idea of their extreme beauty can be obtained from it. We have grown and been improving them for many years. The colors are pink, carmine, dark blue, purple, and white, striped and blotched, and are delicately and beautifully blended, and flowers are produced in the greatest profusion, making it one of the finest annuals in cultivation. All customers should try this novelty this season. Per pkt. 15 cts.

SWEET PEAS.

May well be called America's Favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. They are hardy, free from insects and disease, and if cut freely as soon as they begin to fade will continue to bloom throughout the season. We grow a splendid variety of these on our seed farm, and can recommend all of the named varieties, as well as the mixed, to our customers. They are unsurpassed. One ounce will sow a row fifty feet long, and make a lovely hedge. Try them.



QUEEN OF THE ISLES—After careful and continued selection, this unique variety has become fixed. The large flowers are handsomely striped with both blue and red on a white ground; *very fine*. Per pkt. 10 cts.

BUTTERFLY—White ground, delicately laced with lavender blue; fragrant and valuable for bouquets. 10 cts. per packet.

CROWN PRINCESS OF PRUSSIA—A delicate blush; *very fine*; pkt. 10c.

VIOLET QUEEN—Of dwarf habit, but very free-flowering; the flowers range in color from deep mauve of the standard to light violet of the wings; *very pretty*; pkt. 10c.

INVINCIBLE SCARLET—Per oz. 15 cts.; pkt. 5 cts.

WHITE—Per oz. 15 cts.; pkt. 5 cts.

PAINTED LADY—*Very pretty*, delicate, pink and white; per oz. 20c; pkt. 5.

EXTRA FINE MIXED—Contains a splendid assortment; $\frac{1}{4}$ lb. 35c; oz. 10c; pkt 5.

One packet each of the above varieties, 50 cts.



comes true to name. It is very pretty, and will prove a splendid acquisition for bouquet work and suitable for button-hole bouquets, etc. Very pretty for borders and bedding. See illustration on cover of catalogue. Per pkt. 15 cts.

PHLOX DRUM. GRANDIFLORA OCCULATA.—Fine mixed, pkt. 10c.

VARI-VEINED SALPIGLOSIS.

(See Illustration on Cover of Catalogue.)

This is one of the handsomest and richest colored annuals with which we are acquainted. Flowers are beautifully variegated and veined and attract great attention. It is much larger than the common Salpiglosis. The surface is soft and velvety, and the wealth of color displayed is marvellous. The plants are easily raised, and in good soil will grow from two to three feet high. Colors range from pure white to dark yellow, dark red, and purplish black, with all shades between beautifully striped veined and mottled. They are, indeed, very satisfactory garden flowers, and we cheerfully recommend them to our patrons. Seeds were saved from the finest flowers grown on our Adair Co. Seed Farm. Don't fail to try them. Per pkt. 10 cts.

"LION'S TAIL." (Leonotus Leonuris.)

It blooms from September to December, and if successive propagations are made of it late in spring it can be got to bloom during the winter months, and it is a most valuable plant either for the sitting room or conservatory. The drawing conveys but a meagre idea of it, as the spikes are upwards of a foot in length and of a most vivid orange color, which, next to blue, is the rarest color we have among flowers. All lovers of flowers should have one or more of these strangely curious and attractive plants. Each postpaid 15 cts.

HELIANTHUS MULTIFLORUS.

HARDY DOUBLE GOLDEN SUNFLOWER—A beautiful hardy plant, growing to the height of three to four feet; flowers a rich golden yellow; very double and as large as a medium sized Dahlia. Much prized as corsage flowers. It begins to bloom in July and continues until frost. A bed of these on our grounds the past season was the admiration of all who saw it. The plant is hardy in most localities, but the roots are easily wintered in boxes of soil in any cellar without trouble, and this is the surest way to preserve them. No matter how small a plant is, when set out in the spring, it will in a short time grow to a large, bushy plant, loaded with bloom. In the way of grandeur and beauty it is a fitting companion for the great *Hydragea Paniculata Grandiflora*. Those who plant this grand flower will be more than pleased with it. Plants 20c each; 3 for 50c.

NEW GIANT EMPRESS COCKSCOMB.

Very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress which we illustrate is the **finest and most GORDEOUS** variety yet introduced. It is not uncommon for the heads of this variety to measure over twelve inches in breadth; very bright purple combs and dark bronze foliage. Per pkt. 15 cts.

DOUBLE PEARL PHLOX DRUMMONDI.

A grand novelty first introduced by us this season. About five years ago we procured from a German grower seed of what purported to be Double White Phlox, but only about one-half came double from the seed. By constant selection each year we have improved it so that it



LION'S TAIL.



BUTTERCUP CARNATION.

This is a new variety, having been introduced a few years ago, but its great beauty and admirable qualities which adapt it as a popular flower seem to have never been understood by the flower-loving classes. It is the nearest approach to pure yellow that we have ever had in carnations. The flowers are immense in size, rich yellow in color, and only slightly flecked with crimson. It is a fine grower and profuse bloomer; the flowers are on long stems. A well grown plant, like that shown in our engraving, makes a beautiful specimen plant for parlor or sittingroom. Plants 20 cts. each.

DOUBLE GOLDEN MARGUERITE.

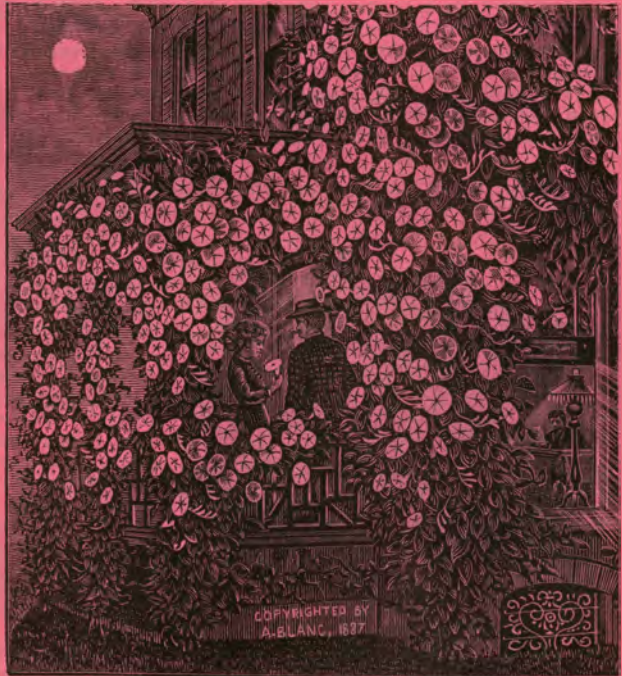
Nothing could be more showy than this beautiful new plant, either as a pot plant or bedded out. This plant might well be called the "Shower of gold," as it is a perfect mass of rich, golden yellow flowers, the whole year

round. Well-grown plants have as many as one hundred and fifty flowers on them at once. Plants 20 cts. each, postpaid.

Colchester, Ills., March 27, '88.—The seeds secured of you last year were all satisfactory and grew well, notwithstanding the drought.
T. J. WOOD.

Moon Flower or Evening Glory.

This plant has attracted much attention throughout the country. Although not a new variety, it has become popular recently. One lady says it was trained on strings to a balcony twenty-five feet high and forty feet wide, and that from August to November it was covered *nightly* and in dull days, with its white, moon-like flowers from five to six inches in diameter. It has also a rich Jessamine-like odor at night. Another correspondent from Richmond, Va., writes that "he set out a plant about May 15th, at the foot of a large dead tree, and by the end of August it had completely covered the tree (forty feet high) and was hanging in festoons of lovely white flowers from every branch, giving it a weird and solemn appearance as the moonlight was reflected upon it." Plants, postpaid, 20 cts each; six for \$1.00. Seeds 15 cts. per pkt.



FUCHSIA---PHENOMENAL.

The largest Fuchsia that has yet come to our notice, even larger than Champion of the World; short tube and sepals of a rich reddish crimson color; corolla very full and double, of a beautiful azure violet, flaked with red. The accompanying illustration will give some idea of the extraordinary size and beauty of the flower. Too much cannot be said in its favor, and all who love flowers should have at least one plant. It will attract universal attention in any collection. Plants each 20 cts. postpaid.

Three New Coleus for 1889.

Produced by the Iowa Seed Co. from hybridized seed. Described and named by our florist as follows:

TRY ME—This beautiful Coleus is a good strong grower and keeps its color well; the outer edge of the leaf is bright green, blotched with chocolate and maroon; the center is blotched with all shades of yellow and crimson to a dark maroon. We think it the most attractive of all the Coleus. Each 15 cts.; 9 for \$1.00.

ECLIPSE—A beautiful variety for ribbon beds or borders. The leaves have a deep border of dark maroon and the center of the brightest crimson; very fine. Each 15 cts.; 9 for \$1.00.

GIT THERE—This is indeed a novel Coleus, the body of the leaf is a dark green, veined and mottled with chocolate; the center is a band of deep crimson, blotched with yellow, a good strong grower. Each 15 cts.; 9 for \$1.00.



PHENOMENAL.—LARGEST FUCHSIA IN EXISTENCE.

Chesterfield, Ill., Feb'y 29, '88:—I was well pleased with the seeds I got of you last year and send a larger order this year.

GEO. STORY.

STORM KING FUCHSIAS.

This is the great STORM KING so much has been said about. As will be seen by the cut, this grand plant is of the most beautiful weeping habit. The branches, drooping as they do, lend the plant a charming grace which is rarely found. The buds for two weeks before they expand are balls of bright scarlet crimson, and are one of the principal beauties of the plant, as they hang suspended among the dense green foliage. The flowers continue to grow larger and larger for several days after they expand, and reach an enormous size. The sepals of the same are glowing scarlet crimson of the buds, while the large double corolla is of delicate waxy whiteness, elegantly pencilled with deep bright crimson. No finer contrast of color can be imagined. 20 cts. each.



CRUEL PLANT.

A beautiful Brazilian climber, with pure white, deliciously scented blossoms borne in clusters. It derives the peculiar name of "Cruel Plant" or "Cruel flower," because insects are attracted by its highly odoriferous perfume, and thus entrapped in the open flower struggling as imprisoned by the sticky nectar contained in the flower, until dead. As an out-door summer climber it is a most excellent plant, and one which gives great satisfaction. During the months of July, August and September they are literally covered with white sweet scented flowers, blooming from every eye or joint. Makes also a splendid winter bloomer, and have attracted great attention in our green houses. This plant is one we are sure will please our friends, not only because of its intrinsic beauty, but for its peculiar habit—it might almost be called a carnivorous plant! Order in time—there will be a large demand for this. 25 cts. each.

RARE AND BEAUTIFUL ORCHIDS.

Of all the flower plants grown, there are none which are at the present time attracting such general attention as the Orchids, and it is strange that they are not more generally cultivated. For beauty and peculiar structure no other order of plants can surpass them. Many of the varieties are easily grown, and flower freely. Plants are somewhat expensive, many ranging from \$25.00 to \$100.00 each. We list only the cheaper varieties, such as will do well in a window garden, conservatory, greenhouse or fernery. Don't be afraid to put a little money into them, and you will be pleased, we are sure, and amply repaid.

The cultivation of this beautiful class of plants has been retarded by two causes: first, their cost; and secondly, the supposition that they were difficult to cultivate. Immense importations lately have brought prices down, and purchasers should remember that the plants grow more valuable as they grow older. Many of the varieties are as easily grown as Geraniums or Heliotrope, and will do well in any house where Heliotrope can be grown in winter, and where the heat is kept as low as possible by shading and syringing during the hot months of June, July and August. They prosper in any place where Rex Begonias can be grown. During the winter months give the plants plenty of sun, and at the same time merely enough water to prevent bulbs from shriveling. Many varieties do much better on blocks or in hanging baskets, and it is easier to grow them in this way than in pots. We can furnish a manual on Orchid culture for 50 cts., postpaid. Price of plants \$1.00 each, or 6 all different for \$5.00, postpaid. Larger plants established on blocks at \$2.00 to \$10.00 each. These can only be sent by express.



RESURRECTION PLANT.

A great curiosity. The plants, when dry, roll up into a ball, and can be laid away or kept in that state for months or years, to all appearances perfectly dead; but when placed in a saucer or vase of water they in a few moments unfold and become green and beautiful, and make a very pretty plant as long as they are kept moist. They grow without soil. It is a native of a desert country, where it is blown over the ground by the wind, and whenever it happens to drop into a pool of water, it expands and takes root. When the pool dries up it again rolls itself into a ball and resumes its travels. Price, 20 cts. each; 6 for \$1.00.

NEW MONTHLY PELARGONIUM.

FRED. DORNER—Flowers large and perfect, in medium trusses; of the Odier style of Fancy Pelargoniums, with five blotched petals; throat and edge of pure white, each petal shaded towards the center with a rich carmine pink, with a glowing crimson blotch on each petal, of which the upper two are the larger. It belongs to the well-known Lady Washington or Fancy Pelargoniums that are perpetual bloomers, continuing fully seven months in the year. For a winter-blooming window plant it is unsurpassed, flowering freely and abundantly in any ordinary living room. Plants 20 cts. each.

FREDDIE HEINEL—Another new variety similar to above, except the color, which is pure white with a pink blotch in each petal. Those who want something elegant for parlor decoration should have these two magnificent novelties. Plants 20 cents each.

DOUBLE HOLLYHOCKS AS ANNUALS.

The Improved Double Hollyhock stands unrivaled; no garden flower is more showy or more admired. The plants are stately in appearance; the flowers brilliant in color and delicate in texture. Why are they not more popular? It is because of the erroneous idea that the plants will not bloom till the second season from seed. Blooming plants can be raised the first year as easily as plants of Zinnia or Marigold. All that is necessary is to start the seeds in a box in the house, or in a hot-bed, in March. When they have produced the second or third true leaf transplant to another box or to a cold-frame. About May first transfer to permanent place in garden where they will produce elegant spikes of flowers in August and September, and thereafter from year to year. Our seed is the very best obtainable.

DOUBLE PURE WHITE—Large, clear, pure white flowers about three inches in diameter. They are as handsome as Camellias in cut flower work and are highly valued by florists. Per pkt. 10 cts.

DOUBLE SALMON ROSE—A greatly improved strain of this handsome shade. Per pkt. 10 cts.

DOUBLE CRIMSON—A large field of these from which our seed was procured made a grand show the past season, and attracted much attention, as did also the above two varieties which were grown on the same place. Per pkt. 10 cts.

SPLENDID MIXED—An unequalled mixture of 17 Prize Varieties including all colors and shades known. Per pkt. 20 cts.

FINE MIXED—Contains good variety. Pkt. 5c. 1 pkt. each of above 5 varieties, 10c.

CURIOUS CACTI.

The enormous demand for these curious and interesting plants has induced us to list them more fully than ever before. We carry a large stock of the leading varieties in our greenhouses. Now that lovers of flowers have learned to appreciate them, every one seems to want them, and it is not a matter of wonder, when we take into consideration their low price, free blooming qualities, odd and decorative shapes, and above all the little care they require to keep them blooming and luxuriating.

Even when neglected for months, they will, after a good watering, not only begin to grow at once, but often commence to bloom profusely. The perfume of this flower is, in many cases, delicious, and the seed pods of a brilliant coral red, ornamenting the plant for several months after blooming, and as they luxuriate in a warm, dry atmosphere, they are eminently the plants for having in the parlor or sitting-room. Many varieties produce magnificent flowers of the most striking and brilliant colors. Water very sparingly.

We have not space to name the varieties, but we are sure all will be pleased with them. Price, 15 cents to \$1.00 each; or we will send 10 Cacti, all different, our selection, for \$1.00. It will be, of course, understood that these are not the most expensive varieties, neither are they large plants, as the postage alone on some of our Cacti would amount to more than that sum.

CEREUS GRANDIFLORA—The true Night Blooming Cereus, from the Miter Mountains of Mexico. Has deliciously fragrant white flowers, nearly a foot in diameter. This belongs to the Cactus family. 25 cts. each.

APIOS TUBEROSA.

See Illustration on Cover of Catalogue.

This is one of the grandest and most beautiful climbing vines in cultivation. It grows very quickly, and attains a great height, making, with its dense foliage and beautiful flowers, a most attractive screen. In vine and foliage it resembles the common Wistaria. It blooms most profusely, bearing lovely clusters of flowers, possessing a strong, delicious violet fragrance. Plant the bulbs near a trellis, fence, tree or wherever a rapid-growing climber is desired. The bulbs are perfectly hardy and need not be taken up over winter. A vine so sure to grow and give satisfaction should be in every garden, and, having grown a large stock, we offer the tubers at a very low price, so that they can be used liberally. Price, 10 cts. each; 3 for 25 cts.; 6 for 50 cts.; 13 for \$1.00.



IOWA SEED CO.'S

Grand Assortments for 1889.



PEERLESS COLLECTION ROSES.

6 varieties worth \$1.40 for \$1.00. Many varieties are advertised in the east, which, while they are excellent for greenhouse culture, do not do well for general use. These are the best of the entire Rose family for popular culture.

THE BRIDE—Is a pure white Rose of large size and most perfect form. The buds are pointed and the ends of the petals are slightly curved back, giving it a most chaste and elegant appearance. A free-flowering Rose, either for summer or winter. Price, 30 cts. each.

WM. FRANCIS BENNETT—Its color is similar to that of General Jacqueminot, a rich dazzling crimson; its remarkable fragrance exceeds that of La France; its foliage is large, clean and bright, and, last and greatest, it is wonderfully prolific and of fine size. As a winter forcing Rose it has no equal. 25 cts. each.

PAPA GONTIER—This was the fashionable Tea Rose in New York last winter, and it is certainly a beautiful variety. It produces long pointed buds of a glowing carmine crimson color. Will keep longer after being cut than almost any other Rose. It is a most profuse

bloomer, and is adapted for either summer or winter flowering. 25 cts. each.

SUNSET—Of strong and healthy growth; the flowers are of a beautiful saffron color, heavily tinted with orange; they are handsome in the bud and perfectly double when open; a splendid Rose. 20 cts. each.

GENERAL JACQUEMINOT—Rich dazzling scarlet, shaded with velvety crimson; superb, glowing color; large flower and free bloomer; more grown probably than any other Rose. 20 cts. each.

LA FRANCE—Silvery rose, changing to pink; very large, full and globular; a constant bloomer and the sweetest of all the Rose family; its delicacy of color and exquisite fragrance will ever render it one of the most popular favorites. 20 cts. each.

Send \$1.00 for the above six varieties.

BOUQUET COLLECTION OF GERANIUMS.

Eight Choice Varieties, \$1.50 for \$1.00. A grand collection containing the very best varieties grown. All lovers of flowers should have this collection.

GLOIRE DE FRANCE—A grand variety; flowers large and double; center distinct, dark salmon with large border of rosy white. 25 cts. each.

KING OLGA—A most beautiful single variety; the petals are a brilliant deep pink, white at the base; the trusses are very large and perfect, and it is the freest flowering variety of its color; its strong growth and other good points make it invaluable. 20c. each.

MARY HILL—The richest and purest deep pink; the flowers are of the largest size and of excellent form; trusses very large and spreading; flowering at all seasons most profusely; double. 15 cts. each.

HARRIET THORPE—Delicate blush, shaded with pearl pink trusses, large and well shaped; habit perfect. 15 cts. each.

FRANCIS ARAGO—Flowers finely formed and produced in the greatest abundance on strong footstalks; a very distinct variety; color silvery salmon shaded peach. 25 cts. each.

GOLDEN DAWN—The color, as the name would indicate, is of a decided golden orange shade; the flowers are of fine large size and perfect shape. The habit of the plant is all that could be desired. 20 cts. each.

ALBION—This magnificent new single variety is undoubtedly the finest single white Geranium in cultivation; the flowers are pure white without a particle of color, and are very large, with heavy, waxy petals; very free flowering. 15 cts. each.

JULIETTE—A very distinct new color—pink, shaded lavender; large truss; very free flowering. 15 cts. each.

IO UNEQUALLED CHRYSANTHEMUMS.

One plant of each equals \$1.50 for \$1.00. Will make a splendid exhibit of these magnificent autumn favorites. If purchased in the fall in bloom would cost 50 cents to \$1.25 each.



CULLINGFORDII—A very late variety; flowers symmetrical and globe shaped; the brightest in color of all dark Chrysanthemums, being the richest shade of blood crimson; can be held in bloom until Christmas if kept in a cool place. 20 cts. each.

CHRISTMAS EVE—As its name indicates, this variety can be kept in bloom until about Christmas; flowers large, clear snow white in color, with curved and twisted petals. 15 cts. each.

MRS. CLEVELAND—White, tubular petals, most gracefully disposed, and excites universal admiration when exhibited. It is entirely distinct from all other white varieties. 20 cts. each.

THORPE, JR.—An anemone-flowered variety; bright yellow, with distinct cushion-like center of same color; the best of the class, and very attractive in its peculiar and most distinct form. 15 cts. each.

TIMBELD'ARGENT—Snowy white, one of the most beautiful of all Chrysanthemums. 15 cts. each.

PRESIDENT WILDER—A Chinese variety, rich crimson with yellow tips, very fine. 15 cts. each.

WHITE BUTTON—A dwarf variety, with small, pure white, button-shaped flowers,

very full and double, a profuse bloomer. 10 cts. each.

YELLOW BUTTON—Similar to above, except color, which is a deep lemon yellow. 10 cts. each.

GOLDEN JOHN SALTER—Golden yellow, changing to amber; incurved. 15c ea.

GLORIOSUM—Light lemon color, with immense flowers, having narrow petals gracefully curved and twisted; quite early, and one of the best. 15 cts. each.

The three above collections of Roses, Geraniums and Chrysanthemums for only \$2.60 postpaid.

DOLLAR COLLECTIONS.

To meet the very popular demand for \$1 collections, we have arranged the following. These collections cannot be divided or changed, but will be mailed on receipt of price. Price \$1 for each collection, postage paid by us. These prices are net, no discount. Our selection of sorts, all labelled varieties.

No. 142 15 Choice plants for hanging baskets or vases, different sorts.

" 143 16 Choice Coleus; a variety.

" 144 30 Choice transplanted mixed pansies.

" 145 20 Splendid Verbenas, 10 diff't varieties.

" 146 15 Geraniums, double, single, etc.

" 147 2 Begonias, (flowering), 2 Fuchsias, 3 Geraniums, 2 Heliotropes, 6 Pansies.

" 148 12 Pansies, 6 Verbenas and 4 Geraniums. A good bedding collection.

" 149 4 Tea Roses, 1 Abutilon and 3 Salvias. All different sorts.

" 150 12 Roses, good blooming varieties.

" 151 Our selection of 15 different house plants. This selection always pleases.

" 152 Our selection of 15 splendid bedding plants, all different.

" 153 Our selection of 15 splendid foliage plants, consists of 8 Coleus, 3 Achyranthes, 2 Alternantheras, 1 Centaurea, 1 Cineraria.

No. 154 20 Summer blooming bulbs, consisting of 1 gold banded Lily of Japan, 6 Gladiolus, 3 Tall Tuberose, 2 Pearl Tuberose, 1 Caladium, 2 Cannas, 1 Hyacinthus Candicans, 2 Tigridias and 2 Oxalis.

" 155 31 Winter blooming bulbs, consisting of 4 Hyacinths, 12 Tulips, 12 Crocus, 1 Chinese Sacred Lily, 1 Narcissus and 1 Easter Lily, with full directions for cultivation. Cannot ship until about September 15th, but order now so you won't forget it.

" 156 Our selection, 33 packets choice flower seed, contains a splendid variety for full flower garden, annuals, perennials, climbers, etc.

" 157 Our selection, 33 packets choice vegetable seed. A very nice assortment for family garden.

ANNOUNCEMENT, 1889.

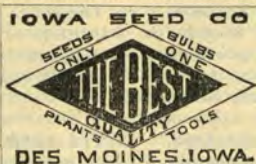
OFFICE OF IOWA SEED COMPANY, DES MOINES, IOWA, Jan. 1, 1889.

To our Friends and Customers:—Again we come to you with a Seed-time greeting, and also a hearty “thank you” for the liberal patronage which we have received during the past season, and we trust that you have been as well pleased with seeds and other goods purchased from us as have those from whom we have already heard. It is very gratifying to know that the seeds sent out by us are giving such entire satisfaction, and we can assure you that our efforts are continually directed to obtaining the best of everything in our line for our customers, and their continued and increased patronage shows us that they appreciate our *Choice Iowa Grown Selected Seeds*. Our seed crops this year have turned out exceptionally well and are of extra fine quality. We devote our entire and undivided attention to this business, and are each year adding to our seed farms, and we take pleasure in having our customers call and see our home seed farm, consisting of 150 acres, situated four miles west of store.

□ You will find our list this year replete with descriptions and illustrations of all the leading varieties of Vegetables and Flowers, as well as many of the best newer kinds which have proved to do well here. Each year we test many varieties on our experimental grounds. Our tests last year numbered over 600 samples, and we are always glad to have our customers send samples of any varieties they may have which are not listed in seed catalogues. Our home seed farm and experimental grounds are under the personal supervision of the senior member of our firm, Mr. H. C. Windsor. □ Aside from this, many of our seeds are grown for us under our direction in other parts of this State, and our peas and beans are grown for us by the best growers in northern New York and Canada. We congratulate our customers on the reduction in postage in the last year, which enables us to ~~prepay~~ ^{pay} postage on all seeds, including peas, beans and corn by the quart.

SUGGESTIONS TO CUSTOMERS.

The Importance of Good Seed cannot be overestimated, and we are certain that after a trial all our customers will agree that to be had. Still, when it is considered on which the success of any readily see that it would be sheer to produce a perfect crop, and we we sell no seeds with warranty either and will not be in any way responsible have so much faith in them that order for vegetable or flower seeds free of charge should they prove otherwise than as we represent them.



our seeds are the purest and best
ered how many are the contingen-
crop depends, our customers will
folly for any one to warrant them
want it distinctly understood that
express or implied in any respect,
for the crop. But, however, we
we hereby agree to refill any retail

Our Prices—Our constant aim is to make the *highest quality* the first consideration, and next to put our prices as low as good reliable seeds can be sold. We are the growers of a large part of the seed we sell, and we are also growing seeds in large quantities for the principal Eastern Seedsmen. It is to your advantage to buy direct from the grower, as we know more of the freshness, the purity, and reliability of our seed than a dealer who buys all of his stock, and you can usually obtain lower prices from us on the same quality.

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

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

Terms—Invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large.

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

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

Discounts—On all seeds in *packets* amounting to \$1 or over, twenty per cent. For other discounts see heading of the respective classes of goods. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds if you are willing to have them sent by express or freight at your expense. Please order early.

Clubs—We want a good live agent or club raiser in every town and community. If you desire to work for us write for special terms to agents and we will start you in the business.

We will be obliged to any of our customers who may favor us with the names of their friends and neighbors that are interested in gardening, and we will mail a copy of our new catalogue to them with pleasure.

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

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

Respectfully soliciting your orders and correspondence, we remain,

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

Yours very truly

IOWA SEED COMPANY.

CHAS. N. PAGE, *Manager.*

An unjere deutschen Freunde.

Wir werden dieses Jahr unseren Katalog nicht publiziren in der deutschen Sprache, aber Sie werden den deutschen Namen der Sorte neben dem englischen finden. Wir sind immer froh, in deutscher Sprache zu correspondiren, wenn es gefällig ist. Benachrichtigen Sie uns gefälligst, was Sie begehren und wir werden Ihnen die Preise senden

KIND WORDS FROM OUR CUSTOMERS.

November 27, 1888.

January 18, 1888.

The seeds received of you in the spring made a good return. The Vine Peach is a splendid bearer, and fully up to your recommendation.

From past experience we find that seeds of all kinds from your state do well here.

JNO. M. WOODS, Lyndon, Kas.

ISAAC P. LEITH, M. G., Salina, Kas.

November 12, 1888

May 24, 1888.

The plants came to my address in good condition and are growing finely.

The Japan Lillies I received from you bloomed splendidly this summer and I expect to get more.

MARY McPHERRIN, Oakland, Ia.

Mrs. A. D. CASS, Afton, Iowa.

April 4, 1888.

I have been a customer of your house for seeds for the last four or five years and have been well pleased with the results.

The seeds I bought of you cannot be beat. I think your early Etampes Cabbage the best I have ever seen.

Mrs. ENRIGHT, O'Neill City, Neb.

J. W. SANDERS, Le Grand, Iowa.

November 30, 1888.

February 16, 1888.

We were highly pleased with the sample of Market Gardener's Beet we had of you last year.

The seeds I received of you in 1887 were very good. All grew and gave splendid returns. The extras you sent were very fine.

FRANK FORD & SONS,

J. C. WILSON, Monango, Dak.

Ravenna, Ohio.

April 13, 1888.

February 16, 1888.

We are thankful for your kindness in sending extra plants and such nice ones.

I have got seeds farther from home, but they don't ripen as soon as seeds grown nearer home.

Mrs. C. A. SHAFFER, Eagle Grove, Ia.

CHAS. SACKETT, Craig, Neb.

March 8, 1888.

January 28, 1888.

My Cabbage and Tomato seed received from you all came up and are doing nicely. Many thanks for the extra packets of seeds.

I am much pleased with the Roman Hyacinths that you sent us last fall. They look very promising.

C. H. SATCHELL, Topeka, Kas.

ESTHER BOURNE, Cresco, Iowa.

IOWA SEED COMPANY'S

SELECTED LIST OF

CHOICE VEGETABLE SEEDS.



From Good Seeds Only Can Good Vegetables Be Grown.

"All the labor of man is for his mouth, and yet the appetite is not filled."—Solomon.

This list of Vegetable Seeds will be found to contain all the leading and most popular varieties in cultivation, including all novelties which have proven of merit in this section of the country. We are each year testing a large number of the novelties which are offered, many of which, while they may be of value in the latitude where they originated, are not at all desirable in this section of the country, and we therefore do not offer them.

We exercise the greatest care in the selection of our stock, growing all in Iowa, the garden spot of the United States, which we can to advantage, and we are certain that a trial will prove to all that they cannot be excelled in purity and high quality by any.

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

The testimonials which we are constantly receiving from the largest and most critical Market Gardeners in this and other States are the best evidence that our Garden Seeds are **unsurpassed in quality**, and our trade-mark "**Only one Quality, the Best,**" is well taken.

Seeds by Mail Postpaid.

In comparing our Catalogue with others, please remember that our prices include the prepayment of postage or express charges, on all seeds by the packet, ounce, quarter pound, pound and quart, and thus you have them delivered to your door at prices named in the Catalogue. This includes postage on Beans, Peas and Corn by the quart.

PREMIUMS.

ON ALL ORDERS FOR SEEDS IN PACKETS the purchaser may select *twenty-five cents worth extra* for each *one dollar* sent us. This premium applies only to seeds in packets at list prices, and cannot be allowed on special collections or on orders for bulk seeds. Orders amounting to **OVER FIVE DOLLARS** for vegetable seeds **IN BULK** may select seeds to the amount of ten per cent of order *extra*.

All who are willing to have their vegetable seeds sent by express or freight at their expense, may deduct *ten cents* for each *pound* of seeds which they order.

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

Market Gardeners should send for our special Market Gardener's price list.

Hints to Gardeners.—In all garden work it is very desirable to do everything on time. To the vigilant and industrious belong the prize. In the spring of the year weeds grow with astonishing rapidity, and a day's time lost at this season equals much more than at any other. If you want to have a good garden, which you can enjoy and take pride in, commence early, fertilize and work the soil thoroughly, keep free from weeds, and give all crops the best of care. Don't try to cultivate too much ground, but plan your garden so as to have a rotation of crops, and you can often utilize the ground so as to obtain two or three crops each season.

"GET THE BEST AND GROW IT WELL."

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

ARTICHOKE—*Ger. Artischoke.*

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

French Green Globe—Per oz. 25 cts. 5

Artichoke Roots—See miscellaneous list.

ASPARAGUS—*Ger. Spargel.*

One ounce will sow forty feet of drill.

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

Conover's Colossal—The most popular variety; per lb. 60 cts.; $\frac{1}{4}$ lb. 20 cts.; oz. 10 cts. 5

"Hub" or Moore's Hybrid—Remarkably uniform and large, very tender and rich in flavor; a specimen bunch of twelve stocks weighed over three pounds. Its large size and fine appearance insures quick sales. (*See cut*); per $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. 5



PALMETTO—A new variety, originated in South Carolina. It is very early, yields well and is of good quality; per $\frac{1}{4}$ lb. 50 cts.; oz. 15 cts. 5

BEANS—Dwarf Bush Varieties—

Ger. Bohne.

One quart will plant one hundred feet of drill.

Dwarf or Bush Beans require no support, and should be planted in drills, an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals and cannot be planted till danger of frost is past. Keep clean, but do not hill up or hoe when wet. A sandy loam is most desirable.

Note reduction in price of packets to five cents each.

PRICE INCLUDES POSTAGE.

See special prices by the peck and bushel at the end of this list. Market Gardeners and Canners write for prices.

Early Valentine—One of the very best; per qt. 40 cts.; pt. 20 cts. 5

Early China Red Eye—Great bearer; per qt. 40 cts.; pt. 20 cts. 5

Early Yellow Six Weeks—Per qt. 40 cts.; pt. 20 cts. 5

Early Mohawk—Good string bean and very hardy; per qt. 40 cts.; pt. 20 cts. 5

Early Refugee, or Thousand to One—Very prolific; pods thick and fleshy; per qt. 40 cts.; pt. 20 cts. 5

Large White Kidney, or Royal Dwarf—Per qt. 40 cts.; pt. 20 cts. 5

**CLEVELAND'S IMPROVED RED VALENTINE**—Is said to be ten days earlier than any other strain of this well-known variety. In addition to this it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and in uniformity of ripening, nearly the whole crop can be taken at one picking. (*See cut.*) Per qt. 50 cts.; pt. 25 cts. 5

Large White Marrowfat—Per qt. 40 cts.; pt. 20 cts. 5

CALIFORNIA BRANCH, OR PROLIFIC TREE—This is a new and quite valuable variety for field culture, grows about twenty inches high, has stiff, upright branches, and bears immensely, sometimes yielding forty-five bushels to the acre. In a thorough test has averaged four hundred and sixty pods to each plant. The beans closely resemble the White Navy. (*See cut.*) Per qt. 45 cts.; pt. 25 cts. 5

DWARF HORTICULTURAL—This has all the good qualities of the old Horticultural Pole bean, and is much easier to cultivate because of being a dwarf variety; per qt. 65 cts.; pt. 35 cts. 5

The wax beans are all stringless, and for the family garden are to be preferred to the above green podded varieties.

NEW GOLDEN WAX—In our opinion this is the best variety grown. It is about ten days earlier than the Black Wax. Pods are a beautiful golden yellow. As a snap bean it excels all others in tenderness and richness of flavor, and has the further merit of being

one of the best shell beans for winter use. We grew a splendid crop of these this year. Per qt. 50 cts.; pt. 25 cts. 5

Jones' Ivory Pod Wax—Very productive, and in many respects one of the best Wax Beans yet introduced. A week earlier than Black Wax. Has very handsome long ivory-colored pods. *Try it.* Per qt. 45 cts.; pt. 25c. 5

White Wax—Pods waxy yellow, very tender; per qt. 45 cts.; pt. 25 cts. 5

Black Wax—One of the most popular varieties with all Market Gardeners. Pods fleshy, waxy yellow; tender; per qt. 45 cts.; pt. 25c. 5

BEANS—Pole or Running Varieties

—*Ger. Stangen-Bohnen.*

One quart will plant 100 to 150 hills.

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

EXTRA EARLY JERSEY LIMA—In this State the season is so short that often Lima Beans do not reach maturity. But this variety is so early, that by growing it all can indulge in this luxury. This desirable and distinct variety is from ten to fifteen days earlier than any other.



It is of the same size and general appearance as the ordinary variety, remarkably productive, and of extra fine quality. (See cut.) Per qt. 75 cts.; pt. 40 cts. 10

KING OF THE GARDEN LIMA BEAN

An improvement on the old Lima Beans. It is a very vigorous grower, requiring but two vines to each pole. They set their pods early, at the bottom of the pole, producing a continuous bloom and fruitage to the end of the season. Many of the pods measure from five to eight inches, and contain five, six and seven perfectly formed Beans to the pod, of superior edible quality; qt. 65 cts.; pt. 35 cts. 10

NEW GOLDEN ANDALUSIA—See description with novelties on page 10. In packets only. each. 15

Horticultural Pole—Productive, fine for snap beans or shelled; per qt. 55c.; pt. 30 c. 5

Large White Lima—None equal the Limas as a shelled bean, but they are quite tender in this climate; per qt. 50c.; pt. 25c. 5

Crease Back—Wonderfully productive bearing pods, in clusters of from four to twelve.

Very early; pods medium length and of the best quality as snaps; per qt. 60c.; pt. 35c. 10

White Dutch Case Knife—Matures in 60 days; pods long and flat; per qt. 50c.; pt. 25c. 5

Scarlet Runner—A favorite snap bean in Europe; valuable for table use or as an ornamental vine; per qt. 60c.; pt. 30c. 5

Yard Long—See description with novelties, page 7; 3 pkts 25c. 10

BEETS—*Ger. Runkel Rube.*

One ounce sows 50 feet of drill; 4 to 6 pounds for one acre.

For early, sow as soon as the ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and a half inches deep. As the plants grow, thin to six inches in drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water for twenty-four hours before sowing; but care should be taken not to plant soaked seed in very dry ground; the soil should be a deep rich loam.

IOWA SEED CO'S NEW MARKET

GARDENERS—The best variety in cultivation. See description in novelty list, page 1; per ¼ lb. 75c.; oz. 25c. 10

NEW EXTRA EARLY ECLIPSE.



This is, without doubt, the best variety of the early sorts, except our New Market Gardeners. It is very early, maturing with the Egyptian. The bulbs are of a bright scarlet color, very smooth, globular in shape; quality is excellent, and much better than the Egyptian. Highly esteemed by market gardeners. (See cut.) Per lb. 80c.; ¼ lb. 25c.; oz. 10c. 5

Egyptian Turnip—This variety fully sustains its reputation as one of the finest and earliest beets grown; very deep red, tender and delicious; per lb. 65c.; ¼ lb. 25c.; oz. 10c. 5

BASTIAN'S EXTRA EARLY RED—

This is a turnip-shaped Beet, of great value for gardeners. It follows the Egyptian very closely, and is considerable larger; bright red color; per lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

DEWING'S IMPROVED BLOOD TURNIP—

Fine form and flavor; good keeper, and one of the best beets grown for main crop; per lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

Extra Early Bassano—Turnip-shape; flesh

white, circled with rose color; tender and juicy; keeps well when sown late; per lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

Early Blood Turnip—The standard early

sort; good for winter; per lb. 50c; oz. 10c.... 5

Extra Long Dark Blood—Standard winter;

smooth, tender and sweet; per lb. 50c; oz. 10c..... 5

Swiss Chard—For greens only; per lb. 75c;

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

SUGAR BEETS AND MANGLES.

Use 4 to 6 pounds of seed to an acre.

Extensively grown in all parts of the country for feeding stock. Sow in April or May, in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow, the round kinds will do better. No crop pays the Farmer or Stock Raiser better than the Mangels; 1,000 bushels to the acre is an ordinary yield, while with good culture 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground, and everything, less than \$50 to raise an acre of Mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. Write for special terms on large quantities.

DIGNITY—See description in novelty list, page 3. By express, 5 lbs. for \$2.00; by mail,

per lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

White French Sugar—Excellent cropper;

very sweet; per lb. 50c; oz. 10c..... 5

LANE'S IMPERIAL SUGAR—An im-

provement on the above;

very sweet and productive.

(See cut.) Per lb. 60c; $\frac{1}{4}$ lb.

20c; oz. 10c..... 5

Long Red Mangle—

Standard sort; grows mostly

above ground; per lb. 40c; oz.

10c..... 5

MAMMOTH LONG

RED, or Norbiton Giant

—Roots grow to an enormous

size and of very good texture;

per lb. 50c; oz. 10c. By ex-

press or freight, not prepaid, 5 lbs. \$1.75; 10

lbs. \$3.00..... 5

Carter's Orange Globe—Per lb. 50c; $\frac{1}{4}$ lb.

20c; oz. 10c..... 5

Red Globe—Same as above, except color; per

lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

NEW KINVER YELLOW GLOBE—This

splendid variety is of superb quality and an

enormous cropper, the great weight of eighty-

four tons per acre having been grown of it,

and single bulbs weighing forty-five pounds

each; per lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5



Golden Tankard—A comparatively new variety of great value. One of the most nutritious in cultivation, and highly prized for milch cows because of the rich color given the butter; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c.... 5

BORECOLE, or Kale—Ger. Blatter-Kohl.

One ounce will produce about 3,000 plants.

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

Dwarf German Green—Per $\frac{1}{4}$ lb. 35c;

oz. 10c..... 5

Tall Curled Scotch—Per $\frac{1}{4}$ lb. 35c; oz. 10c.. 5

BROCCOLI—Ger. Broccoli.

One ounce will produce about 3,000 plants.

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

Early Purple Cape—A popular sort; heads

well and is very hardy; per oz. 40c..... 5

Early Large White—Very valuable early

sort; large size; per oz. 40c..... 5

BRUSSELS SPROUTS—Ger. Sprössen-Kohl.

One ounce will produce about 3,000 plants.

Of the cabbage family, producing numerous heads on the stem, as well as a cabbage-like head at the top. Use and cultivation same as winter cabbage; per oz. 20c..... 5

CABBAGE—Ger. Kopfkohl.

One ounce of seed will produce about 3,000 plants.

The Cabbage requires a deep, rich soil and thorough working, to insure good, solid, full-sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops, in May or June, in shallow drills, six inches apart. When the plants are four inches high, transplant into richly manured ground; the early kinds two feet apart, the fall and winter varieties three feet apart. Compared with the cost of seed, there is more money in growing Cabbage than any other crop, and there is nothing which growers should be more particular about. It is of the utmost importance that you should have the best grade of Cabbage seed. We have used great care this year in selecting our stock, and can heartily recommend it to you. Beware of Puget Sound Cabbage seed.

Use **Slug Shot** for Cabbage worms.

EXTRA EARLY EXPRESS—The earliest of all. See description among novelties, page 9; lb. \$3; $\frac{1}{4}$ lb. \$1; oz. 30c..... 10

Very Early Etampes—A new extremely early Cabbage from France. It has medium-sized pointed heads, that are always hard and solid, and of remarkable fine quality; per lb. \$1.75; $\frac{1}{4}$ lb. 60c; oz. 20c..... 5

LANDRETH'S EARLIEST—A very early

Cabbage with well formed, cone-shaped head.

Excellent quality; per lb. \$2.50; $\frac{1}{4}$ lb. 70c;

oz. 20c..... 5

Extra Early York—A well known and old favorite variety; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c. 5

EARLY JERSEY WAKEFIELD—The favorite variety with market gardeners; early and sure to head. The very best early Cabbage grown for the family garden. Our stock is extra choice American grown; per lb. \$2.50; $\frac{1}{4}$ lb. 75c; oz. 25c. 5

Early Jersey Wakefield—(Second grade)—Such as is commonly sold. We do not recommend this to gardeners, although it is used by some to grow plants for sale. Per lb. \$1.35; $\frac{1}{4}$ lb. 50c; oz. 15c. 5

LOW'S PEERLESS EARLY—This new variety nearly equals the Jersey Wakefield in earliness, is much larger (weighing from 12 to 15 pounds) very solid and uniform. In quality it is unsurpassed by any other sort, early or late. In the test of this variety on our trial grounds, it proved to be very early, heads cone-shaped, and 98 per cent of the plants produced solid heads; per lb. \$3; $\frac{1}{4}$ lb. 85c; oz. 30c. 5

Early Wyman—Allied to the Jersey Wakefield; much larger, but not quite so early; fine quality; per lb. \$2; $\frac{1}{4}$ lb. 65c; oz. 20c. 5

Henderson's Early Summer—A superior variety of recent introduction. Ten days later than Wakefield and much larger. First class; try it; per lb. \$2; $\frac{1}{4}$ lb. 60c; oz. 20c. 5

Winningstadt—Cone-shaped summer sort; if sown late, good for fall and even winter; a sure header and good keeper; per lb. \$1.40; $\frac{1}{4}$ lb. 45c; oz. 15c. 5

Fottler's Improved Brunswick—Superior second early sort; heads large and solid; makes a good winter sort sown late; per lb. \$2; $\frac{1}{4}$ lb. 65c; oz. 20c. 5



ALL SEASONS—This most excellent new variety is as early as Henderson's Summer, and makes considerable larger and harder heads that are not so liable to burst. It is very reliable for heading and of superior quality. It is called "All Seasons" because it is a very superior variety to plant late as well as early, the thickness of the head making it a capital sort to keep through the win-

ter. All should give this excellent Cabbage a trial. (See cut.) Per $\frac{1}{4}$ lb. \$1; oz. 30c. 10

Newark Early Flat Dutch—A medium early variety, in great demand in some of the Eastern markets; per lb. \$2.25; $\frac{1}{4}$ lb. 75c; oz. 25c. 5

SUREHEAD—As this name implies, it is very reliable in heading; heads are very solid, of good shape and large size; per $\frac{1}{4}$ lb 75 cts.; oz. 25 cts. 5

Early Deephead—Makes a larger and thicker head than Fottler's, and hence keep better over winter. Has been grown to weigh over 80 pounds; per $\frac{1}{4}$ lb. 85c; oz. 30c. 5

CHASE'S EXCELSIOR—Medium early, following the Henderson Summer in close succession. It is not equaled by any medium early Cabbage we are acquainted with for sure, solid heading, which is the highest recommendation for a Cabbage which must mature in the trying heat of summer. Another remarkable feature is that it *never cracks*. Planted the first of July, it is an excellent winter variety. We recommend all to try it. Our seed is true and pure; per $\frac{1}{4}$ lb. 85c; oz. 30c. 5

NEW SHORT STEM DRUMHEAD—See description in novelty list, page 2; per lb. \$2.25; $\frac{1}{4}$ lb. 65c; oz. 20c. 10

PREMIUM FLAT DUTCH—This old and well-known variety is, without doubt, the finest winter Cabbage in cultivation, excepting only our NEW SHORT STEM DRUMHEAD; the heads are large and solid; first-class keeper; *sure header*. The stock we offer cannot be excelled; per lb. \$1.50; $\frac{1}{4}$ lb. 50c; oz. 15c. 5

Large Late American Drumhead—Similar to last; per lb. \$1.65; $\frac{1}{4}$ lb. 50c; oz. 15c. 5

Stone Mason Drumhead—Very reliable, compact heading, fall and winter variety; per lb. \$2; $\frac{1}{4}$ lb. 65c; oz. 20c. 5

Marblehead Mammoth—Largest of all; have in some instances been grown to a weight of over 90 pounds, and the heads of such size that they would not go into a two-bushel basket. It is a good Cabbage for exhibition at fairs when grown under a high culture, but as a rule it is too loose headed and uncertain for a main crop; per lb. \$2.25; $\frac{1}{4}$ lb. 65c; oz. 25c. 5

Fine Red Pickling—Deep red color, medium size, solid; much better for pickling than the large red varieties; per lb. \$2.25; $\frac{1}{4}$ lb. 65c; oz. 20c. 5

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

Cabbage Plants—See list of Vegetable Plants.

CARROT—Ger. Mohre.

One ounce will sow 100 feet of drill; 3 to 4 pounds for one acre.

For early crops sow in spring soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four inches in the row. For field culture, rows should

be of sufficient distance to admit of the use of a horse cultivator; sowed in May. A light sandy loam deeply tilled is best.

Carrots form a nutritious, succulent food in the winter for horses, cattle, sheep and pigs. Cows fed on Carrots, alternately with Mangels and Ruta Bagas, give a notably increased yield of milk. In feeding, the roots should be washed, sliced and heavily dusted with Indian meal or bran, together with a proper proportion of salt.

Early French Forcing—The earliest variety; valuable for forcing; excellent quality; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5

Early Horn—Favorite sort; much esteemed for summer use; per lb. \$1; ¼ lb. 30c; oz. 10c. 5

DANVERS—Very smooth and handsome; 5



rich dark color, and from its length is easier to dig than the Long Orange. It is in form about midway between the Long Orange and Short-Horn class, growing generally with a stump root. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. This is a choice Carrot for family use. We have grown a large crop of this seed on our place

this year from extra select roots, and should like to have all of our customers try it. (See cut.); per lb. 90c; ¼ lb. 30c; oz. 10c..... 5

NEW HALF-LONG CORELESS OR 5

CARENTON—A new, very early variety, without core. Skin smooth; flesh fine-grained, rich colored and of excellent flavor for table use; per lb. \$1; ¼ lb. 30c; oz. 10c ... 5

OXHEART, OR HALF-LONG GUE- 5

RANDE—(Stump-rooted)—This new French Carrot is one of the most valuable of all recent introductions, either for family use or market. It is an intermediate between the Half-Long and Horn varieties, attaining a diameter of three to four inches at the neck, and of most beautiful shape and rich orange color; per lb. \$1.25; ¼ lb. 40c; oz. 15c..... 5

IMPROVED LONG ORANGE—The standard sort for field culture, and very desirable for table use; roots large and of good quality; per lb. 75c; ¼ lb. 25c; oz. 10c..... 5

Large White Belgian—Very productive; grown almost exclusively for stock, for which it is highly recommended; per lb. 70c; ¼ lb. 20c; oz. 10c..... 5

Altringham—A large and fine flavored red sort; per lb. 70c; ¼ lb. 20c; oz. 10c..... 5

CAULIFLOWER—Gr. *Blumen-Kohl*.

One ounce will produce about 3,000 plants.

This is acknowledged by all to be one of the most delicious of vegetables. Any soil that will grow Cabbage will grow Cauliflower, as their requirements are very similar; but as the product

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

VICK'S IDEAL DWARF—The introducer



claims superiority on the following points, viz: *Reliability of Heading, Size and Solidity of heads, earliness and protective habit of inner leaves.* One gardener says of it: "The first Cauliflower brought into this market

this spring, I raised from seed of the 'Ideal' variety. I never had finer Cauliflowers." Another says: "I find the heads of the 'Ideal' Cauliflower average larger than those of any other variety I have raised this year, and also such heads of 'Ideal' as are apparently the same size as other sorts, invariably outweigh them." Plants very dwarf, outer leaves erect; can be set closely; equally good for early or late planting; per oz. \$3; ¼ oz. \$1.75..... 25

HENDERSON'S EARLY SNOWBALL— 25

Throughout the country this is considered not only the earliest of all Cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable for market gardeners. Dr. E. L. Sturtevant says that this variety stands at the head in his test of 38 kinds, forming first head in 97 days, and above the the average in size. Our stock is grown by the originator, and cannot be excelled; per oz. \$4; ¼ oz. \$1.10..... 25

Early Favorite—Much like the above, only smaller; per oz. \$2.50; ¼ oz. 75c..... 15

Extra Early Dwarf Erfurt—Valuable for forcing. A very popular variety in Europe and with Eastern gardeners. *First quality*; per oz. \$3.50; ¼ oz. \$1.00..... 25

Early Paris—Well known; per oz. 65c..... 10

Early London—Standard English sort; per oz. 75c..... 10

Lenormand's—Best for late use; per oz. \$1. 10

Cauliflower Plants—See list Vegetable Plants.

CELERY—Ger. *Seleri*.

One ounce will produce about 6,000 plants.

This we consider one of the luxuries of the garden. No one who has once used it will do without it, and as it usually is so expensive in the market, the following simple directions are given, by which every one who has a garden can supply themselves with it:

For first crop sow the seeds early in hot-beds, or in boxes in the house, or later in open ground, in rich moist soil, covering the seed very lightly. When the plants are about three inches high,

transplant to four inches apart each way in a rich well pulverized bed.

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

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

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

Some of the growers for the Des Moines market blanch the plants by placing a length of drain tile over them, others use a roll of pasteboard for the same purpose, and thus save the labor of banking.

KREAMER—A novelty introduced by the Iowa Seed Co. This delicious Celery was originated by Mr. Kreamer, one of the most careful and successful Celery growers in the country. It is the result of a careful cross, and is one of the very earliest sorts we have ever seen, coming into market from the first to the middle of June. It grows very rapidly, and is consequently extremely crisp and tender. It is of a close, compact, upright habit; bleaches readily and rapidly. The flavor is exquisitely fine and rich, partaking largely of a mild and delicious walnut taste; oz. 50c. 10

NEW KALAMAZOO—See novelties, page 10; per oz. 40c. 10

NEW GOLDEN SELF-BLANCHING—This new variety has fully realized all claimed for it, and is pronounced by all a great acquisition. The stalks grow vigorously with large large ribs, very thickly and closely set. It is *entirely self-blanching*, without any banking up or covering whatever, even the outer ribs assuming a yellowish-white color of a very fresh and pleasing appearance. The heart is of a beautiful golden-yellow, very large, crisp and solid. Unlike other self-blanching varieties, it is an *extra good keeper*—keeping well all winter—and of fine, sweet flavor. On the market stall or table it is unequaled in handsome and striking appearance; seed very scarce; per oz. 65c. 10

WHITE PLUME—The stalk and portions of inner leaves and heart are naturally white, and becomes fit for use by simply tying it up closely with soft twine. This variety does not blanch during the hot weather, but as soon as the weather becomes cooler it shows its self-blanching character; per lb. \$2.50; ¼ lb. 85c; oz. 25c. 5

Sandringham Dwarf White—Very popular, excellent quality; per lb. \$1.50; ¼ lb. 50c; oz. 15c. 5

HENDERSON'S HALF DWARF—The favorite market variety; close habit, solid, crisp and tender; per lb. \$1.50; ¼ lb. 50c; oz. 15c. 5

GOLDEN DWARF—A new variety of decided merit. When blanched, the heart is of rich, golden color, excellent quality, good keeper; per lb. \$1.50; ¼ lb. 50c; oz. 15c. 5

Crawford's Half Dwarf—Much like the above; per lb. \$2; ¼ lb. 60c; oz. 20c. 5

Large White Solid—Per lb. \$1.50; ¼ lb. 50c; oz. 15c. 5

Boston Market—Very tender and crisp; per lb. \$1.75; ¼ lb. 50c; oz. 15c. 5

Dwarf Crimson—Considered by some superior to the white sorts. This is by far the best of all red varieties; per lb. \$2.50; ¼ lb. 75c; oz. 20c. 5

Turnip-Rooted, or Celeriac—Per lb. \$2; ¼ lb. 65c; oz. 20c. 5

Apple Shaped—The best and most handsome of the turnip-rooted varieties; per oz. 35c. 10

Old Celery Seed—For flavoring; per lb. 50c; ¼ lb. 15c; oz. 5c.

Celery Plants—See list of Vegetable Plants.

CHERVIL—Ger. Gartenkerbel.

One ounce will sow 100 feet of drill.

Curled—Leaves used in soups and salads. Cultivated like parsley; per oz. 20c. 5

CHICORY—Ger. Cichorie.

One ounce will sow about 15 square feet.

Large Rooted—Used as a substitute for coffee. Cultivate as Carrots. 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 ¼ lb. 35c; oz. 10c. 5

COLLARDS—Ger. Blatter-Kohl.

One ounce will produce about 3,000 plants.

Georgia—Sow seed in May; transplant and treat as Cabbage; per ¼ lb. 75c; oz. 20c. 5

CORN SALAD, or FETTICUS—Gr.

Lammersalat.

One ounce will sow about 20 square feet.

A delicious winter Salad. Sow early in September in drills, quarter of an inch deep and six inches apart. Just before cold weather cover with straw or leaves; per ¼ lb. 30c; oz. 10c. 5

CORN.

One quart will plant 200 hills; one peck will plant one acre in hills.

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart; five or six grains to the hill, and when up, thin them out, allowing three or four of the strongest plants to remain. Give thorough cultivation. For a succession, plant every two weeks until mid-summer. We make the growing of Sweet Corn for seed a specialty, and have had a splendid crop this year.

Notice reduction in price of packets.

PRICE INCLUDES POSTAGE.

See special prices by the peck and bushel at the end of Vegetable List. Market Gardeners and Canners write for prices; 15 cents per qt., less if sent by express.

EARLY DES MOINES—See description with novelties, on page 8, qt. 40c; pt. 25c..... 10



NEW EXTRA EARLY CORY CORN.

NEW EXTRA EARLY CORY—This new variety is undoubtedly the earliest Sweet Corn in cultivation, being about one week earlier than the Marblehead. It grows a larger kernel and a larger and more marketable ear than the Marblehead, and will soon supplant that variety in our markets. Its habit of growth, productiveness and otherwise general appearance is very similar to the Marblehead, from which it is supposed to have been originally extracted, and over which it is a great improvement. It is well worth trial, and has but to be tested to be appreciated. Per qt. 45c; pt. 25c..... 10

Early Marblehead—This variety has with us proved to be earlier than the Early Minnesota; per qt. 40c; pt. 20c..... 5

EARLY MINNESOTA—The standard early corn; ears fair size and uniform, and very sweet; per qt. 35c; pt. 20c..... 5

PERRY'S HYBRID—The largest early twelve rowed Sweet Corn in the market. Our crop this year, grown in the southern part of this State, matured only eight days later than the Cory, and the yield was more than double—being about *sixty bushels*. It does not waste any time making stalks, its object is for ears, large ones and plenty of them, in the shortest possible length of time. In spite of the large competition, we obtained the **FIRST PREMIUM** on this variety at the **IOWA STATE FAIR** in 1887; per qt. 50c; pt. 25c..... 5

Crosby's Early—A standard medium early variety; per qt. 30c; pt. 15c..... 5

Moore's Concord—Produces handsome ten-rowed ears, low on the stalk, and comes into use immediately after the Crosby's; per qt. 30c; pt. 15c..... 5

STOWELL'S EVERGREEN—The standard variety throughout the United States. Our stock of this variety is very choice, better we think than any ever offered before in this State; per qt. 30c; pt. 15c..... 5

Amber Cream—A delicious new variety, which is sure to grow in favor; per qt. 40c; pt. 20c..... 5

Black Mexican—A black-grained variety; one of the sweetest of all kinds; per qt. 40c; pt. 20c..... 5

EGYPTIAN SWEET—Very prolific, and by all who have tried it believed to be the best late Sweet Corn in cultivation; per qt. 35c; pt. 20c..... 5

Asylum—A good, large, late Sweet Corn; per qt. 35c; pt. 20c..... 5

Mammoth Sweet—The largest variety grown; per qt. 35c; pt. 20c..... 5

Sweet Corn for Fodder—We can furnish either early or late; per qt. 25c.....

POP-CORN.

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

PAGE'S NEW STRIPED RICE—The best of all for family use. See description in novelty sheet, page 3, and illustration on cover; per qt. 55c; pt. 30c..... 10

Fine White Rice—A standard variety, which always brings the best price in the market; per qt. 45c..... 5

Fine Red Rice—Per qt. 50c..... 5

Smooth White—Per qt. 50c..... 5

FIELD CORN,

See list of varieties under heading Miscellaneous Farm Seeds.

CRESS, or PEPPERGRASS—*Ger. Kresse.*

One ounce will sow about 16 square feet.

Early Curled—A well-known salad. Sow thickly and at intervals during the season; cover seed slightly; per $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

True Water—One of the most delicious of small salads. Will only grow where its roots are covered with water. Sow the seeds along the borders of running water and cover lightly; per oz. 25c..... 10

Upland Cress—This new vegetable is destined to become a valuable and important acquisition. It is a hardy perennial, thriving on soil wet or dry. The young and tender leaves can be eaten raw, or as a salad. It is excellent prepared same as lettuce, or when the leaves become large and plentiful, boiled as greens. In taste it is very pleasant, having the identical flavor of Water Cress, so highly prized, and is agreeable to all. Fifteen degrees below frost will not change the color of



its leaves nor damage it, and therefore the foliage of the summer growth can be used in winter, same as Kale. In pkts. only, each.... 10

CUCUMBERS—Ger. Gurke.

One ounce will plant 50 hills; two pounds will plant one acre.

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

Early Russian—Very early and productive; quite hardy; per lb. \$1; ¼ lb. 25c; oz. 10c..... 5

Early, White Spine, or Boston Market—The standard variety here. When small it is of a bright green color, and is excellent for pickling. It also makes a choice variety for slicing; per lb. 75c; ¼ lb. 20c; oz. 10c..... 5

IOWA SEED CO'S PERFECT WHITE SPINE—An improvement on the above. See description with novelties, page 4; per lb. \$1.35; ¼ lb. 40c; oz. 15c..... 5



Early Cluster—Grows in clusters, is extremely productive and of good quality. Our seed of this variety was grown on our home farm, and we think it cannot be excelled in purity. (See cut.) Per lb. 90c; ¼ lb. 25c; oz. 10c..... 5

NICHOLS' MEDIUM GREEN—A new variety, which is the result of careful selection. Fruit of medium length, nearly cylindrical, very uniform in shape and of good color when young; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5

Early Frame, or Short Green—One of the best, well-known; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5

GREEN PROLIFIC—One of the best pickling sorts. Its characteristics are its very uniform growth, seldom yielding fruit too large for pickling, and its immense productiveness; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5

Boston, or Jersey Pickle—Is used almost exclusively by the market gardeners near Boston for pickling, and it makes as good short pickles as any on the list; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5



IMPROVED LONG GREEN—Old standard sort; crisp, tender, good flavor; per lb. 90c; ¼ lb. 30c; oz. 10c..... 5

NEW ASTRO—A new large variety. See description with novelties, page 11. In packets only, each..... 15

Russian Netted—This is really a curiosity in the Cucurbit family, and withal a variety of excellent quality; per ¼ lb. 65c; oz. 20c.... 5



Snake—A remarkable and very interesting curiosity. The cucumbers grow curled up like a snake with the head protruding, and sometimes are six feet in length. The illustration well represents their shape, and, although they attain great size, the quality is only fair; grown more as a curiosity than anything else, and to exhibit at fairs; packets only..... 10

London Long Green—One foot in length, flesh greenish white; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5



White India Gherkin, or Burr—Makes a handsome pickle of first class quality. Be sure and try it. (See cut.) Per ¼ lb. 75c; oz. 20c..... 5

DANDELION—Ger. Pardebium.

One ounce will sow about 100 feet of drill.

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

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

EGG PLANT—*Ger. Eierpflanze.*

One ounce will produce about 1,000 plants.

A tender plant, which should be started quite early in a hot-bed or box in the house, which must be kept warm. Late in the spring transplant to open ground, two and a half feet apart, each way in warm, rich soil. From the time the weather becomes warm they are thrifty and easily grown. They are a decided luxury, which everyone should grow. Productive and always bring a high price in market. The only trouble in growing them is in producing the plants up to season of setting out, and if desired, we can furnish strong plants at low prices. See Vegetable Plant list.

Early Long Purple—Hardy and productive, six to eight inches long; per $\frac{1}{4}$ lb. 90c; oz. 25c. 5

IMPROVED NEW YORK—Extra large and choice, fine flavor. THE BEST. (See cut.) Per $\frac{1}{4}$ lb. \$1.25; oz. 40c..... 5



oz. 40c..... 5

Black Pekin—The fruit of this handsome variety is jet black, round in form and very solid; per $\frac{1}{4}$ lb. \$1.25; oz. 40c..... 5

ENDIVE—*Ger. Endivien.*

One ounce will sow sixty square feet.

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

GARLIC—*Ger. Knoblauch.*

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



GARLIC SETS—(See cut.) Per lb. 40c, postpaid; by express per lb. 30c.

GOURDS.

The following four varieties will be found quite serviceable in any household. No one would think, without having tried them, of the many uses they can be put to. Cultivate as Cucumbers, or they may be trained over lattice work or utilized to cover stumps or fences.

Dipper Gourd—Makes a more light and convenient dipper than can be bought. When grown on the ground the stems will be curved, while if raised as a climbing vine, on a trellis, the weight of the blossom end will cause the stem to grow straight. Dippers of various sizes, of a capacity of from a pint to a quart and a half, can be had from a few vines. Per oz. 20c..... 5

LUFFA, or DISH-CLOTH GOURD.



The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, makes a natural dish-cloth. The fruit grows about two feet in length, and the vine is very ornamental, producing clusters of large yellow blossoms, in pleasing contrast with the silvery-shaded, dark-green foliage. Many ladies prefer this dish-cloth to anything that can be made. It also makes a handsome and neat Ladies Summer Bonnet, very unique and tasteful suitably trimmed and ribboned, (see illustration.) For the bath, and for all uses of the toilet in general, the "Dish-Rag Gourd" is taking the place of the sponge. It is in fact, a sponge, a soft brush and a bath glove combined, and are almost indestructible. Even with daily use, they will last for years, and taking into consideration that a packet of seed only costs ten cents, and contains seed sufficient to raise at least 30 to 50 Gourds and the different uses it can

be applied to around the house; it is something every one should grow. In the North the seed should be started in a hot-bed or in the house. Per oz. 50c; pkt. 10c.

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



Nest Egg—Very closely resembles an egg, and makes an excellent substitute for a nest egg. Housewives will also find them handy in darning stockings; per oz. 25c..... 5

Mixed Varieties—Per oz. 25c..... 5
For Ornamental Gourds, see Flower Seeds.

IMPROVED GROUND CHERRY.

The fruit has a pleasant strawberry-like flavor, and is much esteemed, and by some considered indispensable for pies, sauce, etc., both green and dry. When dried they resemble raisins somewhat. See description with novelties, page 3; per oz. 50c; ¼ oz. 30c..... 10

HERBS.

See list at end of Vegetables.

HORSE RADISH SETS.

See list of Vegetable Plants.

KALE, OR BORECOLE—Ger. *Blatter-Kohl*.

One ounce will produce about 3,000 plants.

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

Dwarf German Green—Best for winter greens; per lb. \$1; ¼ lb. 35c; oz. 10c..... 5
Tall Curled Scotch—Per lb. \$1; ¼ lb. 35c; oz. 10c..... 5

KOHL RABI—Ger. *Kohlrabi*.

One ounce will sow a 200 foot drill.

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



Early White Vienna—Flesh white and tender; best market sort; per lb. \$2; ¼ lb. 65c; oz. 20c..... 5
Early Purple Vienna—Per lb. \$2; ¼ lb. 65c; oz. 20c..... 5

LETTUCE—Ger. *Lattich*.

One ounce will sow 120 feet of drill.

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

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

The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand 10 or 12 inches apart in the rows.

Early Curled Silesia—Large loose heads, excellent flavor; per ¼ lb. 40c; oz. 15c..... 5

Early Curled Simpson—An improved variety of the preceding; per ¼ lb. 40c; oz. 15c..... 5

TENNIS BALL, or Boston Market—One of the earliest heading varieties, being very compact and solid, very best for hot-bed culture, but it runs to seed so rapidly that for out-door culture it is not recommended; per ¼ lb. 40c; oz. 15c..... 5

Early Prize Head, Improved Head or Imperial Head—Heads well, tender, slow running to seed, first-class for summer, leaves dark reddish brown; per ¼ lb. 40c; oz. 15c..... 5

HUBBARD'S MARKET—This variety of Lettuce is one of the best forcing Lettuces ever introduced. Its merits are: Good size, compact although not solid heads, fine flavor, hardness and long keeping quality after being cut; per ¼ lb. 65c; oz. 20c..... 5
All the Year Round—Excellent, very large, dark green color, quite curly, don't form solid heads, but is very compact. As its name indicates, it is good for all seasons; per ¼ lb. 60c; oz. 20c..... 5



HANSON—Extra large and solid heads, light green. This is the favorite variety with Des Moines market gardeners; per lb. \$1.25; ¼ lb. 35c; oz. 15c..... 5

Ice Drumhead—Much liked in some localities. Is better for the hot-bed than out of doors; per ¼ lb. 30c; oz. 10c..... 5

Black Seeded Simpson—Resists the heat very well; per ¼ lb. 40c; oz. 15c..... 5

SALAMANDER—Excellent variety for summer use, as it withstands the heat and drouth admirably and is very slow in running to seed. Forms immense heads 12 to 24 inches in diameter, although not very solid, attains size early, light green; per ¼ lb. 50c; oz. 15c..... 5

Green Fringed—It is a very delicate shade of green, the inner parts of the leaves white with the edges beautifully cut and fringed. Its ornamental character makes it very desirable for garnishing and table decoration. Quality is not as good..... 5



as some other varieties, but its handsome appearance makes it the best selling variety for market men; per $\frac{1}{4}$ lb. 40c; oz. 15c..... 5

DEACON—This is one of the dark green, thick leaved sorts, nearly all of which are of good quality. Head compact, roundish or a little flattened when of full size, in some plants measuring fully five inches in diameter. Outer leaves few in number, which with the perfectly defined head give the plant a very distinct appearance; $\frac{1}{4}$ lb. 65c; oz. 20c.. 5

OAK LEAVED LETTUCE—The distinguishing feature of this new variety of Lettuce is in its oak shaped leaves, the broader part set to stem and pointed at the tip, thus giving it a very unique, handsome and attractive appearance. It is of quick growth and possessed of fine flavor and extreme tenderness; per $\frac{1}{4}$ lb. 65c; oz. 20c..... 5

Golden Heart—Produces heads of very large size, firm and solid and grows quickly. Outer color dark green, leaves delicately curled; within the heart is a beautiful, rich golden yellow; quality excellent; $\frac{1}{4}$ lb. 50c; oz. 20c.. 5

New Tomhannock—This forms a beautiful plant 10 to 12 inches high by 9 to 10 inches across. The edges of the outer leaves are of a glossy reddish bronze handsomely wrinkled; within the leaves are almost white. In our test it made large heads quicker than any other variety, but the leaf stalks are too large and cumbersome; per oz. 25c..... 5

Burpee's Hardhead—Very large, dark brownish green, forms good solid heads of good quality. Grows slowly and stands heat well; per $\frac{1}{4}$ lb. 60c; oz. 20c..... 5

Brown Dutch—Head of medium size. Very hardy, and the leading variety for winter use; per $\frac{1}{4}$ lb. 35c; oz. 10c..... 5

Curled India—Resembles Drumhead, but later; of fine quality; per $\frac{1}{4}$ lb. 50c; oz. 15c.. 5

Paris White Cos—Tender, brittle, mild flavor, very superior quality; must be tied up or blanched under pots to develop its good qualities; per $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

MIXED VARIETIES—Seed of about twenty early, medium and late sorts mixed together, thus giving Lettuce for the table during the entire season, and giving an opportunity to examine all the leading varieties with but little expense; per oz. 20c..... 5

LEEK—Ger. *Lauch*.

One ounce will sow 100 feet of drill.

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

London Flag—Very hardy; per $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

LARGE ROUEN—A favorite variety with market gardeners. Largest and most uniform of all; per $\frac{1}{4}$ lb. 75c; oz. 20c..... 5

MARTYNIA—(For Pickles.)

One ounce will plant 100 hills.

Plant in May, in hills four feet apart. The seed pods which are used quite largely for pickling, should be gathered when they are green and tender; per $\frac{1}{4}$ lb. 75c; oz. 25c..... 10

MELON—Musk—Ger. *Melone*.

One ounce will plant about 80 hills; two pounds to the acre.

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

IMPROVED EARLY HACKENSACK—

See novelties, page 5; per lb. \$1.50; $\frac{1}{4}$ lb. 50c; oz. 15c..... 10

EMERALD GEM—A splendid novelty. See description on page 5; per lb. \$1.75; $\frac{1}{4}$ lb. 65c; oz. 20c..... 10

THE PRINCESS—See description with novelties, page 6; per $\frac{1}{4}$ lb. 65c; oz. 20c..... 10

OSAGE—See novelties, page 9; per oz. 35c..... 10

Jenny Lind—A small, very early Melon of

most delicious flavor; almost round, flattened at the end; distinctly ribbed and finely netted, green fleshed. (See cut.) Per lb. 90c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5



GOLDEN NETTED GEM—A very early,

rather small round Melon, with thick light green flesh of luscious flavor. Very productive, of a handsome appearance and very uniform in size; keeps well after picking; per lb. \$1.00; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

Orange Christiana—One of the earliest and most delicious of all varieties; per lb. \$1.00; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

MILLER'S ORANGE CREAM—A splendid novelty of 1887. Entirely different from any other Melon on the list; shallow ribbed, thin rind, finely netted; the flesh varies from a light green to a rich salmon in color, owing, we believe, to its being a hybrid; flavor is very sweet; per $\frac{1}{4}$ lb. 60c; oz. 20c..... 10

Skillman's Fine Netted—Flesh green, sugary and excellent quality; per lb. 90c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

Green Citron—Per lb. 90c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5

Green Nutmeg—Fruit oval, good size, rich, exquisite flavor; a general favorite; per lb. 90c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

Bay View—This variety which is so rapidly growing in favor is of large size, deliciously rich, sweet and luscious. Our crop of this did magnificently, and our seed cannot be excelled; per lb. 85c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

- Casaba**—One of the largest and best Musk Melons in cultivation. Flesh green, very sweet, melting and delicious; per lb. 85c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5
- Improved Cantelope**—Large size, flesh light green, most delicious flavor, superior for market or private gardens; per lb. 90c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5
- Surprise**—Thin, cream colored skin, thickly netted; flesh deep salmon color, very thick and highly flavored; surprisingly productive; per lb. \$1.00; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5
- BIRD'S CANTELOPE**—Early, large size, fine flavor, and good keeping qualities. The flesh is thick, light green in color, and of fine quality. They have been grown to weigh 22 pounds, measuring 34 by 38 $\frac{1}{2}$ inches; per $\frac{1}{4}$ 50c; oz. 15c..... 5
- NEW BANANA**—Attain a length of from 18 inches to three feet three inches, and are from two to four inches thick. Flesh very thick, of a salmon color; in flavor simply remarkably delicious, and equal to any melon you have ever eaten.



STOKES' EXTRA EARLY.



- VICK'S EARLY**—A new variety of medium size; flesh bright pink, solid and sweet; said to be the earliest variety in cultivation; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c. 5
- Phinney's Early**—Flesh deep red, superior quality, early and productive, valuable market variety; per

- lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5
- PEERLESS, or Ice Cream**—(White-seeded) Of unquestionable quality, medium size, thin rind, flesh bright scarlet; lb. 75c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5
- TRUE DARK ICING, or Ice Rind**—There are two distinct types of this melon; this one, which we consider the best, is known as the dark icing. It is a very solid sort with a thin rind, and possesses a most delicious flavor; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5
- OMELER'S TRIUMPH**—It is a variety originated in Central Asia, of medium size, dark glossy green color, and the sweetest of any variety we know of. Flesh is dark red, mottled with yellow, very early. The seeds are so small that they can be swallowed without the slightest inconvenience, being only about one-ninth the size of ordinary melon seed. Per oz. 25c..... 10
- Long Light Icing**—This strain of the Icing Melon, while not as well liked here as the Dark Icing, is still very popular in some sections; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5
- True Georgia Rattlesnake, or Gipsy**—Fruit large, oblong, striped; flesh red, of fine quality. An excellent variety for market; lb. 80c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5
- Haskell's Excelsior**—Flesh bright red; very superior quality, large size, frequently weighing over 40 pounds; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5
- Mountain Sprout**—Lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c 5
- Mountain Sweet**—Lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

MELON—Water—Ger. Wasser-Melone.

One ounce will plant about 60 hills.

It is of the utmost importance that all Melon growers should have the very best of seeds, and those who have given our seeds a trial in the past are so well pleased that they continue to use them. It pays to have the best.

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

STOKES' EXTRA EARLY—This new melon is, without doubt, the earliest of all. Our illustration, made from a photograph, shows their shape, which is nearly round, dark green skin, slightly mottled with white. The flesh deep scarlet, remarkably solid, and in delicious sugary flavor is unsurpassed. Their average weight is about fifteen pounds. The seed is very small, being only about half the size of other melon seeds; per $\frac{1}{4}$ lb 60c; oz. 20c..... 10

KOLB GEM—The Kolb Gem Melon grows of



a more uniformly large size, opens up better, ships, keeps better, is more prolific and sells for nearly double the price in all the markets of the country than any other variety. They are suited for the North, South, East or West, near by or far away markets. In short, they are perfection, and fill the bill in every particular. Every melon grower should get them at once; per lb. 80c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

JOHNSON'S CHRISTMAS—A most valuable, new and distinct variety. They have been kept in a cool cellar for over four months, and cut open as fresh and delicious as the day they were picked. Their valuable keeping and shipping qualities are due to a peculiar, hard tenacious coating or outside enameling of the skin, which also gives them an exceedingly handsome and fresh appearance, even after being kept for months after ripening. The flesh is of a beautiful rich scarlet, very solid, and of delicious, sugary flavor; per $\frac{1}{4}$ lb. 60c; oz. 20c..... 10

Orange—A curiosity. The rind of this variety, when ripe, peels off from the flesh like the skin of an orange, leaving it a very handsome fruit to place on the table; per $\frac{1}{4}$ lb. 45c; oz. 15c..... 5

Cuban Queen—This is certainly one of the largest Melons in cultivation. The skin is beautifully striped, light and dark green; flesh is dark red, very solid, crisp and sugary. They always command an extra price in the market because of their great size and handsome appearance.



(See cut.) Per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

Black Spanish—Large size, almost round, skin dark green, flesh red; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

SCALY BARK—The rind is very thin, yet so tough and strong that the Melons will bear any amount of handling without bursting or cracking open. The flesh is light crimson in color, very tender and of excellent flavor. The average weight is thirty-



five pounds. (See cut.) Per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

PRIDE OF GEORGIA—Is a dark green mottled color, nearly oval, ridged like an orange, grows partly upon its end; is firm, will ship well, attains a large size, and is very sweet and crisp; lb. \$1.15; $\frac{1}{4}$ lb. 35c; oz. 10c... 5

MAMMOTH IRON CLAD—Of very large size; has weighed 128 pounds, and an entire crop averaging 50 pounds each; attractive shape and appearance, and excellent quality; a good shipper; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c... 5

GRAY MONARCH—A large, long melon, in great favor among the Southern melon growers; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

Sculptured Seeded—Cream colored flesh; per lb. \$1.25; $\frac{1}{4}$ lb. 35c; oz. 10c..... 5

Colorado Preserving—The best melon for preserving; per lb. \$1.50; $\frac{1}{4}$ lb. 40c; oz. 15c... 5

Citron—For preserves; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

MUSTARD—Ger. Senf.

One ounce will sow about 75 feet of drill.

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

White English, or London—Per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

Brown or Black—Lb. 40c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

NASTURTIUM—Ger. Indianish Kresse.

One ounce will sow 20 feet of drill.

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

TALL—Mixed colors; per $\frac{1}{4}$ lb. 50c; oz. 15c... 5

DWARF—Mixed colors; per $\frac{1}{4}$ lb. 75c; oz. 20c. 5

OKRA, or Gumbo—Ger. Essbiera.

One ounce will sow about 80 feet of drill.

TRY OKRA THIS YEAR.



YOU WILL LIKE IT.

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

New Improved Dwarf—Very productive; per lb. \$1.00; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

ONION—Ger. Zwiebel.

One ounce will sow about 100 feet of drill; 4 pounds will sow one acre.

This is, with perhaps the one exception of Cabbage, the most important crop grown, both in market and family gardens, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than in Onions. There is more

MONEY IN ONIONS

grown from the seed than in almost any other crop. Those grown from our select

HIGH GRADE ONION SEED

possess the following qualifications of superior merit:

7 Earliness, POINTS Productiveness, Reliability, Perfect Shaped Bulbs, Solidity, Fine Texture and Keeping Qualities. Sowing seed to produce large Onions is the cheapest, easiest, best and most satisfactory way.

The crop of onion seed has been very light this year everywhere, and we predict a great scarcity and higher prices late in the season. However, we now have about one ton of as nice, heavy onion seed as was ever grown, and we will not increase price until this stock is exhausted. Those wanting five pounds or more should write for prices.

Large Onions can easily be grown the first year from the seed by obtaining our seed, which is all northern grown, and new, crop of 1888. It won't pay you to use the cheap imported or southern grown seeds, which produce

a large proportion of scallions and Onions that will not keep well. Poor seed, even as a gift, is the dearest the planter can use. We want you to try our seed, and have therefore put the price down to as low a rate as good, reliable seed can be sold at.

CULTURE—As early as the ground can be worked in the spring, sow the seed in drills fourteen inches apart, covering one-half inch. They should be in rich sandy soil, which is as free from weeds as possible. Commence hoeing soon as rows can be seen;

skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing, weed carefully and thoroughly by hand. 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.

FOR PICKLES OR SETS—Good ground should be prepared as above, and the seed should be sown very thickly in broad drills, about 40 pounds to the acre for sets, and 15 to 20 pounds for pickling.

EXTRA EARLY PEARL—Earliest of all.

Pearly white translucent, growing almost with the rapidity of a Radish, form flat, flavor very mild. *Wonderfully fine.* Try it; per lb.

\$3; ¼ lb. 90c; oz. 25c..... 10

Extra Early

Red—Very early, matures about two weeks before the Weathersfield; per lb. \$2; ¼ lb. 60c; oz. 20c..... 5

White Portugal, Silver Skin

—Matures early; very mild flavor, medium size, and generally preferred for table use; not a good keeper; per lb. \$2.75; ¼ lb. 70c; oz. 25c..... 5

LARGE RED**WETHERS-****FIELD**—The standard sort throughout the West, as they are more hardy, and immense crops can be raised when more tender varieties would fail. They grow to a large size, fine form; skin deep purplish red, moderately fine grained and strong flavor. Very productive and an excellent keeper. For shipping purposes it is considered one of the best, as it will bear almost any amount of handling without any apparent injury. Five lbs. by express at \$0.00 per lb.; per lb. \$1.80; ¼ lb. 50c; oz. 15c..... 5

YELLOW GLOBE DANVERS—Although not quite so large as the above, we consider it a better Onion in every way for general use; per lb. \$2; ¼ lb. 65c; oz. 20c..... 5

LARGE WHITE GLOBE—The handsomest mark.t variety we have ever seen. Large size, oval form, very even, mild and pleasant
DRAWN FROM NATURE.

No. 1, Extra Early Red; No. 2, Large Red Weathersfield; No. 3, Yellow Globe Danvers; No. 4, White Portugal; No. 5, Extra Early Pearl; No. 6, White Globe.

ling without any apparent injury. Five lbs. by express at \$0.00 per lb.; per lb. \$1.80; ¼ lb. 50c; oz. 15c..... 5

YELLOW GLOBE DANVERS—Although not quite so large as the above, we consider it a better Onion in every way for general use; per lb. \$2; ¼ lb. 65c; oz. 20c..... 5

LARGE WHITE GLOBE—The handsomest mark.t variety we have ever seen. Large size, oval form, very even, mild and pleasant

- flavor, good keeper, out-sells every other variety; per lb. \$3; $\frac{1}{4}$ lb. 90c; oz. 30c..... 5
- Southport Red Globe**—Differs from above only in color; per lb. \$2.25; $\frac{1}{4}$ lb. 65c; oz. 20c.. 5
- Yellow Dutch**—Per lb. \$2; $\frac{1}{4}$ lb. 60c; oz. 20c. 5

IMPORTED VARIETIES.

Most of these varieties grow to an enormous size, and are more mild flavored than any of the above. We recommend all to try at least a few for their own home use, or for early market. They do not keep well in this climate. The imported onion seed does not as a rule vegetate as well as the American grown, and therefore seed should be sown somewhat thicker.

COPPER KING—The largest of all. See novelties, page 3; per oz. 50c..... 10

MAMMOTH SILVER KING—See description on novelty sheet; per lb. \$3; $\frac{1}{4}$ lb. 85c; oz. 25c..... 10

NEW MAMMOTH SPANISH KING—This is the celebrated Spanish fancy Onion, which is annually imported from Spain, and sold by confectioners and fruit dealers in all the larger cities at from 25 to 50 cents each. They do well in this country, and have been grown here to the weight of $3\frac{1}{4}$ pounds. Skin is of a rich yellow color, while flesh is pure white, sweet, mild and tender; per $\frac{1}{4}$ lb. \$1.00; oz. 30c..... 10

New Queen—A very nice extra early silver-skinned Onion, the best keeper of the foreign sorts. Very mild flavored and excellent for pickling; per lb. \$3; $\frac{1}{4}$ lb. 90c; oz. 25c..... 5

Giant Rocca—Very large, frequently weighing three and one-half pounds. Globular form, mild, delicate flavor; per lb. \$2.25; $\frac{1}{4}$ lb. 65c; oz. 20c..... 5

Marzagole—Large silvery Onion; per lb. \$3; $\frac{1}{4}$ lb. 80c; oz. 20c..... 5

Paris White Pickling or Small Silver Skin—For pickling. This is of small size, silvery white, and used almost entirely for pickling on account of its small size, handsome appearance and mild flavor; per lb. \$2; $\frac{1}{4}$ lb. 60c; oz. 20c..... 5

ONION SETS.

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

White Onion Sets—Per pk. \$2; qt. 80c; or postpaid qt. 45c.

Yellow Onion Sets—Per pk. \$1.25; qt. 25c; or postpaid qt. 40c.

Red Onion Sets—Per pk. \$1.25; qt. 25c; or postpaid qt. 40c.

Potato Onions—Per pk. \$1.75; qt. 30c; or postpaid qt. 45c.

Top, or Button Onions—Per pk. \$1.50; qt. 30c; or postpaid qt. 45c.

Perennial, or Winter Onion Sets—May be set out in either the spring or the fall. They are perfectly hardy, the first in market for spring use, and are coming into general use among the market gardeners, who usually set them out about Sep. 1; per pk. \$1; qt. 20c; postpaid qt. 35c.

PARSNIPS—*Ger. Pastinake.*

One ounce will sow 200 feet of drill; five pounds to acre.

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

Long Sugar, or Hollow Crown—The standard for either table use or stock feeding, very tender, sugary, excellent flavored, large sized, white and smooth; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

Sutton's Student—Fine flavored; per lb. 65c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

IOWA SEED CO.'S IMPROVED GUERNSEY—The best variety grown. Try it. See novelties, page 8; per lb. \$1.25; $\frac{1}{4}$ lb. 40c; oz. 15c..... 10

PARSLEY—*Ger. Petersilie.*

One ounce will sow 150 feet of drill.

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

Champion Moss Curled—A very select stock, beautifully crimped and curled. Decidedly the best and most popular variety for general use. Quite decorative for garnishing; per $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

Plain Leaved—The hardiest and strongest growing variety. Leaves dark green. The best flavored for seasoning; $\frac{1}{4}$ lb. 25c; oz. 10c. 5

PEAS—*Ger. Erbse.*

One quart will plant about 100 feet of drill.

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, or what is still better, select several kinds which will form a succession in maturing, and sow all at about the same time. Sow in drills two to four feet apart, according to varieties, not less than four inches deep for general crop, although the first earlies will come to maturity sooner if only covered one and one-half to two inches. Wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot. Our Seed Peas are of the very best quality obtainable, and we believe cannot fail to please the most critical. Mulching lightly between the rows with straw is recommended to prevent mildew, and pinching the terminal shoots promotes earliness.

PRICES INCLUDE POSTAGE.

See special prices by the peck and bushel, at the end of Vegetable List. Market Gardeners and Canners write for prices. 15 cts. per quart discount if sent by express.

EARLY VARIETIES.

CLEVELAND'S ALASKA—Earliest of all. See description on novelty sheer, page 7; per qt. 50c; pt. 30c..... 10

IOWA'S CHALLENGE—The best extra early variety grown, either for gardeners or private use. Don't fail to try it. See novelties, page 7; per qt. 50c; pt. 30c..... 10

Rural New Yorker—In our trial grounds, before the introduction of the Alaska, this proved to be the earliest of all, and the most even in growth and maturity; eighty to ninety per cent of the pods can be removed at one picking. Our stock is from the introducer; per qt.



45c; pt. 25c..... 5

First and Best—One of the earliest and most generally used varieties. It is an improvement on the Philadelphia Extra Early. Popular on account of its uniformity in ripening. Pods good size and well filled with smooth Peas of excellent flavor; per qt. 40c; pt. 20c... 5

***BLISS' AMERICAN WONDER**—The

EARLIEST WRINKLED PEA IN
EXISTENCE.



BEST AND SWEETEST FOR
THE FAMILY GARDEN.

earliest and most prolific dwarf wrinkled Pea, unsurpassed for early sowing. On good soil each vine will average twelve pods and each pod six peas. Fifteen pods have been counted on some vines, and nine large peas in some of the pods, and every pod is well filled. The vine grows from eight to ten inches high; per qt. 55c; pt. 30c..... 5

***McLean's Little Gem**—The most popular variety for private gardens; very sweet; per qt. 45c; pt. 25c..... 5

***PREMIUM GEM**—Height one foot, early and prolific. A type of, and improvement on the Little Gem. Pods long and of a dark green color. Don't fail to plant at least a few of these if you want extra nice sweet peas; per qt. 45c; pt. 25c..... 5

Tom Thumb—Very scarce this year; qt. 45c. 5

Blue Peter, or Blue Tom Thumb—Similar to above, except in color; seed blue; pods large and well filled with delicious and large sized peas; per qt. 45c; pt. 25c..... 5

***Laxton's Alpha**—One of the very earliest wrinkled peas in cultivation; very prolific; fine flavor; pods well filled with large sweet peas; per qt. 45c; pt. 25c..... 5

Kentish Invicta—Seed green; very early and preferred by canners on account of its uniformity and productiveness; per qt. 40c; pt. 20c..... 5

Carter's First Crop—Per qt. 35c; pt. 20c... 5

Philadelphia Extra Early—Qt. 35c; pt. 20c 5

Early Kent, or Dan O'Rourke—Per qt. 30c; pt. 15c..... 5

FOR GENERAL CROP.

***IMPROVED ADVANCER**—Seed green, wrinkled; height two feet; next to Little Gem in earliness pods large and well filled with peas of a delicious flavor; a very popular variety both for family and market purposes; per qt. 55c; pt. 30c. 5

***STRATAGEM**—Seed green, square; vigorous branching habit; under favorable conditions an enormous cropper; pods long, well filled with from seven to nine peas of the largest size, extra fine quality. Not only one of the most elegant and showy peas in cultivation, but the most desirable acquisition of its class for the last number of years; per qt. 60c; pt. 30c..... 5

Dwarf White Marrow—Similar in quality to the tall variety, but much earlier, and does well without bushing. Good yielder, much prized by gardeners; per qt. 35c; pt. 20c..... 5

***CHAMPION OF ENGLAND**—Universally admitted by all to be one of the richest and best flavored peas grown. It is very popular, and will bring a higher price in the market than any other; per qt. 40c; pt. 20c..... 5

***BLISS' ABUNDANCE**—Height 20 inches; time of ripening medium; remarkably strong vigorous branching habit and unusually productive, often sending out three or more branches; pods of fair size, well filled with peas of good quality; per qt. 45c; pt. 25c.... 5

***BLISS' EVER-BEARING**—Height 2 feet; late to very late; hardy, vigorous, enormous cropper; pods and peas of large size and good quality; per qt. 50c; pt. 25c..... 5

White Marrowfat—Per qt. 30c; pt. 15c..... 5

Black-Eyed Marrowfat—This is extensively grown as a field pea; very productive, height about four feet; per qt. 30c; pt. 15c.... 5

***Yorkshire Hero**—One of the largest and handsomest peas grown. Very prolific and of fine flavor; per qt. 40c; pt. 20c..... 5

Dwarf Sugar—Edible pods, use like Snap Beans. Very vigorous and prolific, quality excellent. If you have never grown Sugar Peas try them this year; per qt. 60c; pt. 30c... 5

White Field—Per qt. 25c..... 5

Blue Field—Per qt. 25c..... 5

PEPPER—Ger. Pfeffer.

One ounce will produce about 1,800 plants.

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



RUBY KING. LARGE BELL. RED CAYENNE.

Celestial—One of the best novelties this year. See page 5; per oz. 60c. 10

RED CLUSTER—This very handsome new variety is a sport of the Chill, which it slightly resembles, the leaves and fruits are smaller, while it is much more productive, the fruits being curiously crowded together on each branch, making the plants extremely ornamental as well as useful. The Peppers are very hot and of a conspicuous coral red color; per ¼ lb. 75c; oz. 25c. 5

Red Chill—Small, very hot, used everywhere for pepper sauce; per ¼ lb. 75c; oz. 25c. 5

RUBY KING—This new Pepper has given most excellent satisfaction everywhere. The Peppers often attain a very large size. Ordinarily they grow 4½ to 6 inches long by 3½ to 4 inches thick. When ripe they are of a beautiful, bright, ruby red color, and are always remarkably mild and pleasant to the taste. The plant is of sturdy, bushy habit, and each plant produces from 6 to 12 large handsome fruits; per ¼ lb. 75c; oz. 20c. 5

NEW GOLDEN QUEEN—See description on novelty sheet, page 6; per oz. 40c. 10

Large Bell, or Bull Nose—Early standard sort; per ¼ lb. 65c; oz. 20c. 5

Sweet Mountain, or Mammoth—Similar to above, but milder; per ¼ lb. 65c; oz. 20c. 5

Red Cayenne—Per ¼ lb. 90c; oz. 25c. 5

New Golden Dawn Mango—A handsome Mango Pepper, very sweet and entirely exempt from the fiery flavor peculiar to most other varieties; per ¼ lb. 80c; oz. 20c. 5

SEED POTATOES.

See list of choice varieties on another page

PUMPKIN—Ger. *Kurbis*.

One pound will plant about 250 hills.

Principally used for agricultural purposes, but there has been a great improvement in the varieties during the past few years, by the introduction and hybridization of foreign varieties with our old sorts. Plant in hills eight feet apart in May among potatoes, or corn, or in open field. Do not plant near squashes.

KING OF MAMMOTHS—See description in novelty sheet; per ¼ lb. 65c; oz. 20c. 10

Tennessee Sweet Potato—An excellent variety for pies, pear shaped, of medium size, flesh and skin creamy white, fine grained, very sweet and delicious, a first-rate keeper; per lb. \$1.60; ¼ lb. 50c; oz. 15c. 5

Mammoth Tours—A French variety which grows to immense size; per lb. \$1.25; ¼ lb. 40c; oz. 15c. 5

Mammoth Etampes Bright Red—This giant variety is from France, where it is quite celebrated. It has been grown in this country

to enormous size, it is of a bright glossy red color, and makes a splendid variety to grow for exhibition purposes; per lb. \$1.65; ¼ lb. 50c; oz. 15c. 10

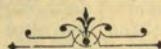
Connecticut Field—This is the common field or cow Pumpkin, grown principally for stock. Immense crops can be grown by planting the seed among corn. In this way as many as five tons have been grown on one acre, without any detriment to the corn; per bu., by express or freight, \$3; pk. 90c; lb. by mail, 30c; ¼ lb. 10c. 5

Cushaw Crook-Neck—For table use; per lb. 75c; ¼ lb. 25c; oz. 10c. 5

Large Cheese—Per lb. 60c; ¼ lb. 20c; oz. 10c. 5

Sweet, or Sugar—Not large, but very sweet and an excellent table variety; per lb. 75c; ¼ lb. 25c; oz. 10c. 5

Negro—A small variety of peculiar shape and color. Very fine grain, extra fine for cooking; per lb. \$1.25; ¼ lb. 40c; oz. 15c. 5



MAMMOTH P. & S. COLLECTION.

As an inducement for all to try the Mammoth Squashes and Pumpkins we will send you postpaid one packet each, *King of Mammoths*, *Mammoth Bright Red Etampes*, *Mammoth Tours Pumpkin* and *Mammoth Chili Squash* for 25 CENTS. Don't fail to try these and exhibit your products at your County Fair. We will send free exhibition cards for use at your fair.

SCARLET TURNIP
WHITE TIP.SCARLET
OLIVE.FRENCH
BREAKFAST.LONG
SCARLETGOLDEN
GLOBE.CHINA ROSE
WINTER.

RADISH—Ger. *Rettig*.

One ounce will sow about 100 feet of drill.

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

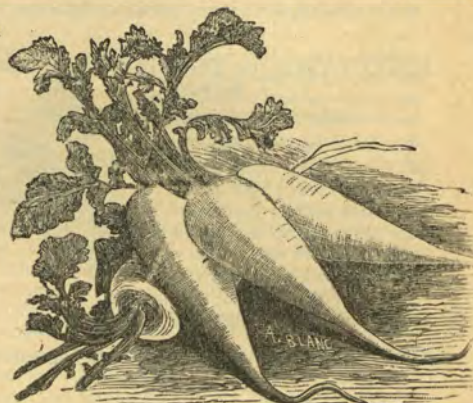
- NEW ROSY GEM**—A splendid acquisition for the market gardener and the family garden. See description in novelty list, page 9; per lb. \$1.50; $\frac{1}{4}$ lb. 50c; oz. 15c..... 10
- NEW SURPRISE**—Of very early, quick growth, the Surprise is remarkable for remaining in fine condition, without becoming pithy, *longer than any other early Radish*. By successive sowings the Surprise will keep the table constantly supplied with the very choicest Radishes. The skin is thin and colored a rich light brown. So thin is the skin that the pure white of the flesh shows through. In quality it is par excellence, firm, juicy and of fine flavor; per lb. \$1.25; $\frac{1}{4}$ lb. 45c; oz. 15c. 5
- Early Scarlet Turnip White Tip**—Bright scarlet, tipped with white, very showy; per lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5
- Early Scarlet Turnip**—First early, round, white flesh; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5
- EARLY DEEP SCARLET TURNIP**—An improvement on the above, richer in color and smoother in skin; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5
- White Turnip**—Per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5
- Scarlet, Olive Shaped**—Very early; tender; prized by gardeners; lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c.. 5
- FRENCH BREAKFAST**—A very handsome table variety of medium size, quick growth and fine quality. It is oval shaped, scarlet tipped with white, very crisp and tender, a favorite variety wherever grown for early use; per lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5
- Wood's Early Frame**—A favorite with our market gardeners, as it is about ten days earlier than the Long Scarlet, which it very much resembles, although not quite so long; per lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5
- BECKERT'S IMPROVED CHARTIER**



CHARTIER RADISH.

—Decidedly distinct in appearance from any Radish in cultivation. Its form is well defined

- by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5
- EARLY LONG SCARLET SHORT TOP**
—Very popular variety with gardeners and for family use; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..
- NEW WHITE STRASBURG OR HOSPITAL**—This new early variety, after being



- thoroughly tested, has proven to be superior in quality and size to any other known variety, being possessed of the finest flavor combined with brittleness and quick growth, producing in six weeks' time Radishes of a clear white color, from five to six inches long and three inches in diameter at the crown. But its distinguishing and most valuable characteristics are, that it will keep in eatable condition a long time before going to seed, making it the most profitable early variety for the market; per lb. 85c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5
- EARLY MIXED**—A mixture of all the above named varieties, except New Rosy Gem. This will certainly take well for the family garden, as in it there is an assortment of all the best early sorts. They will make a handsome show on the table; per $\frac{1}{4}$ lb. 35c; oz. 10c..... 5
- IOWA SEED CO'S PERPETUAL WHITE SUMMER**—See description with with novelties, page 6; per $\frac{1}{4}$ lb. 50c; oz. 20c.. 10
- Long White Naples, or Vienna**—A long, clear, white Radish, very handsome, crisp, tender and mild; per lb. 85c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5
- White Lady Finger**—A large, white, crisp variety, about half as long as Long Scarlet, and similar in shape. A very desirable sort, decidedly the best of its kind ever introduced. A novelty of merit; lb. \$1.25; $\frac{1}{4}$ lb. 35c; oz. 10c. 5
- GOLDEN GLOBE**—One of the best summer Radishes, amber flesh, and keeps long in eating condition, extra fine quality and rapid growth; per lb. 85c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 6
- Giant White Stuttgart**—Flesh and skin are both snowy white, very crisp, mild and of good flavor, suitable for pulling at any size; per lb. \$1; $\frac{1}{4}$ lb. 35c; oz. 10c. 5
- CHINA ROSE WINTER**—One of the best winter varieties, a general favorite, bright

- rose colored, flesh white, firm and of superior quality; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5
- Long Black Spanish**—A large winter variety, one of the hardiest, with dark green leaves, firm in texture, keeping until spring; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5
- California Mammoth White**—A winter variety, growing twelve inches long, white fleshed, firm and of excellent quality. It is the largest Radish grown; per lb. \$1; $\frac{1}{4}$ lb. 40c; oz. 15c..... 5

RHUBARB, or Pie Plant—*Ger. Rhabarber.*

One ounce will produce about 100 plants.

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

Victoria, or Mammoth—

Per lb. \$1.65; $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

Rhubarb Roots—See miscellaneous list.

SALSIFY, or Vegetable Oyster—*Ger.*

Bocksbart.

One ounce will sow about 50 feet of drill.



A delicious substitute for oysters in soups. Cultivate same Parsnips. Salsify should be more generally cultivated. All who have once grown it continue to thereafter.

- MAMMOTH SANDWICH ISLAND**—The best. See description in novelty list, page 4. Per oz. 40c..... 10
- Long White**—The standard kind; per $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

SPINACH—*Ger. Spinat.*

One ounce will sow about 80 feet of drill; 10 pounds to an acre.

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

- LONG STANDING**—Far superior to all others; leaves thick, fleshy and crumpled. Slow in running to seed. (See cut.) Per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5



Round—Main market sort. Equally good for summer or fall; per lb. 40c; $\frac{1}{4}$ lb. 15c; oz. 10c..... 5

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

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

- Viroflay**—Grows to an enormous size and produces wonderful crops; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5



NEW GOLDEN BUSH.



EARLY BUSH CROOKNECK.



PERFECT GEM.



ESSEX HYBRID.



TRUE HUBBARD.

SQUASH—*Ger. Kurbiss.*

One ounce early varieties will plant about 40 hills; one ounce late will plant 20 hills; 4 to 6 pounds to the acre.

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

- NEW GOLDEN BUSH**—The best summer Squash yet brought out. It is thicker, larger and superior in every way to the old varieties. Very early. Try it; per lb. 80c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

- Yellow Bush Scalloped**—Early market variety; per lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

- White Bush Scalloped**—Similar to above, color creamy white; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

- Early Bush Crook-Neck**—Splendid summer sort; early, productive, very fine quality; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c..... 5

- PERFECT GEM**—Excellent both as a summer and winter Squash. Flesh fine grained, sweet and of a delicious flavor, very productive, a free grower and good keeper; per lb. \$1; $\frac{1}{4}$ lb. 30c; oz. 10c..... 5

- NEW EARLY PROLIFIC MARROW**—The earliest Squash, aside from the small summer varieties, in existence. See description in novelty list, page 10; per $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

- NEW MEDITERRANEAN**—The accompanying illustration, from a photograph, is an exact representation, showing its handsome form. They grow about the same size as the "Hubbard," but owing to their very thick flesh will weigh much heavier. The outside



NEW MEDITERRANEAN SQUASH.

skin is quite smooth, and of a pleasing red salmon color, while the flesh is of a beautiful rich yellow, very sweet, fine and floury; per ¼ lb. 55c; oz. 15c..... 5

SIBLEY, PIKE'S PEAK—New. See description on novelty sheet; per ¼ lb. 75c; oz. 25c..... 10

Boston Marrow—This delicious variety is of a rich orange color all the way through, exquisite flavor; per lb. 85c; ¼ lb. 25; oz. 10c.... 5

Essex Hybrid—Combines the shape of the Turban with the hard shell of the Hubbard, and a better keeper than either. Flesh very thick, rich colored, solid and fine flavored; per lb. \$1; ¼ lb. 30c; oz. 10c..... 5

HUBBARD—This old variety has for years stood the test of all rivals, and is undoubtedly the best winter Squash known; hard, green shell, flesh bright orange yellow, fine grained, very dry, sweet and rich flavored, keeps in perfect condition throughout the winter; per lb. 75c; ¼ lb. 20c; oz. 10c..... 5

Winter Crook-Neck—An old standard table variety. Varies in color from light yellow to green; per lb. \$1; ¼ lb. 30c; oz. 10c.... 5

American Turban—Fine grained, very dry, sweet, and of delicious flavor; for fall and winter use; per lb. \$1; ¼ lb. 30c; oz. 10c.... 5

MARBLEHEAD—A splendid winter variety, only equaled by the Hubbard. Shell very hard, of a light blue color, flesh fully equal to the Hubbard in quality; per lb. 85c; ¼ lb. 25c; oz. 10c..... 5

MAMMOTH CHILI—Is certainly the largest variety of Squash (or Pumpkin, as some call it) grown. Specimens have been grown to weigh over 300 pounds, but to obtain this weight they must be forced by special culture, leaving but one Squash on the vine to mature. From 100 to 200 pounds is a common weight with ordinary culture. Flesh is thick and nutritious for feeding stock, but not considered good for cooking purposes. Grown mainly for curiosity and exhibition at fairs; per lb. \$1.25; ¼ lb. 40c; oz. 15c..... 5

Brazilian Sugar—As its name indicates, it is one of the sweetest of all Squashes, the flesh being unusually fine grained and tender, so

much so that it is palatable even when eaten raw. They ripen early, and grow so vigorously that they are but little affected by the squash bug; per lb. \$1.25; ¼ lb. 35c; oz. 10c.... 5

Vegetable Marrow—A very popular variety with the English; per lb. 1.50; ¼ lb. 50c; oz. 15c..... 5

TOBACCO.

One ounce will sow 25 feet. square and produce plants for one acre.



This is a paying crop, and will do well in this State. The following varieties have been thoroughly tested in this climate. Our seed of most of these was grown on the crown panicles of select plants. Early in spring burn a brush pile on the ground to be used for seed bed. Then thoroughly pulverize the soil, digging and mixing in ashes. Sow seed very shallow. When plants are six inches high transplant into rows four feet apart. Cultivate thoroughly.

HESTER—Makes fine cigar stock. It has size, shape, texture and color, and ripens early. It recommends itself greatly in this, that it has greater adaptability over a wider range of soils and latitude than any other of the yellow varieties, and may, on this score, be considered the surest; per ¼ lb. 75c; oz. 25c..... 10

STERLING—The newest and brightest of the yellow type, and the earliest to ripen; per ¼ lb. 75c; oz. 25c..... 5

BIG HAVANA—A Hybrid Havana or Cuban seed-leaf. A heavy cropper, of fine texture, delightful flavor, and the earliest cigar variety to mature and ripen; per ¼ lb. 65c; oz. 20c.... 5

Connecticut Seed Leaf—Well adapted to this climate; per ¼ lb. 65c; oz. 20c..... 5

White Burley—Thrives best on a limestone soil; per ¼ lb. 85c; oz. 30c..... 5

Imported Havana—Per ¼ lb. \$1.00; oz. 35c.. 5

TOMATO—Ger. *Leibesapfel*.

One ounce will produce about 1,500 plants.

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

Early Conquerer—Very early, smooth and good sized; per ¼ lb. 50c; oz. 15c..... 5

Early Canada Victor—Per ¼ lb. 60c; oz. 15c 5

DWARF CHAMPION—See novelty list, page 11..... 10

TURNER'S HYBRID OR MIKADO—It is a rank, coarse grower, with thick stalk, and is enormously productive. The fruit is *extra large* in size and *remarkably solid*. An average specimen measured four by four and three-eighths inches in diameter, and weighed one pound. They ripen up evenly, and are entirely free from core. The form of the fruit is round and thick through, very smooth in

specimens of medium to large size, while the extra large fruits are not so even in outline. The color is a very deep brilliant red, but its hybrid origin is shown in the fact that occasionally some fruits are lighter in color; per $\frac{1}{4}$ lb. 75c; oz. 25c..... 5

NEW CARDINAL—A large, grand Tomato, which has become very popular, and we recommend it as being a very choice sort. To briefly describe it, the fruit is smooth, of a deep cardinal color, with flesh of the same rich hue, without a green core, very thick and solid, ripens evenly, has no green spots or ends, is a good keeper, and hence is a good shipper, matures at the same time as the Trophy, a vigorous grower and very productive; per $\frac{1}{4}$ lb. 85c; oz. 25c. 5

D. S. Koons, of Utica, Ind., says: "The Cardinal Tomatoes grown from your seed were the finest I ever saw for canning. We never had their equal."

OPTIMUS—Vines medium sized, but vigorous, healthy and productive, bearing its fruit in clusters of five. Fruit medium size, oval, very smooth, exceedingly bright, rich, crimson scarlet color, very free from cracks, and rotting less than any of the seventy varieties with which it has been compared. The flesh is of the best flavor. Resembles the Favorite but is much more uniform and better; per $\frac{1}{4}$ lb. 75c; oz. 25c..... 10

Favorite—A large, smooth Tomato, very prolific and similar to the preceding; per $\frac{1}{4}$ lb. 65c; oz. 20c..... 5

LIVINGSTON'S NEW BEAUTY—This



new variety is one of the best ever introduced. Its beauty, size, shape, perfection, color, flavor, durability and productiveness make it desirable to all classes of Tomato growers, being of a very glossy crimson with a slight tinge of purple (lighter than the Acme.) Grows in clusters of four or five large fruits, (on a strong vine,) retaining its large size very late in the season; per $\frac{1}{4}$ lb. 75c; oz. 25c..... 5

PERFECTION—Somewhat larger than the Acme, ripens all over and through at the same time; is free from rot at the blossom end. We consider this one of the best Tomatoes grown; per $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

Acme—Among the earliest, medium size, very smooth, solid clear through, great bearer; color dark red tinged with purple; per $\frac{1}{4}$ lb. 60c; oz. 20c..... 5

Paragon—Best for canning; $\frac{1}{4}$ lb. 60c; oz. 20c 5

Trophy—One of the largest and best, fine quality, medium early, heavy and solid, great favorite; per $\frac{1}{4}$ lb. 50c; oz. 15c..... 5

White Apple—A handsome new variety. Is quite sweet, with a rich fruit like flavor, and highly ornamental for the table. We do not consider the flavor quite equal to the best red varieties. In packets only, each..... 10

Golden Trophy—Our choice of the yellow varieties, color a beautiful canary yellow; per $\frac{1}{4}$ lb. 85c; oz. 25c..... 5

Red Cherry—Perfectly round and smooth, about the size of a cherry, handsome and fine for pickles or preserves; per $\frac{1}{4}$ lb. \$1; oz. 30c. 5

Red Currant—Quite ornamental, resembling long bunches of currants; $\frac{1}{4}$ lb. \$1; oz. 30c... 5

Yellow Plum—Good for preserving and pickling, plum shape, solid and smooth; per $\frac{1}{4}$ lb. \$1; oz. 30c..... 5

TURNIPS—Ger. *Steckrube*.

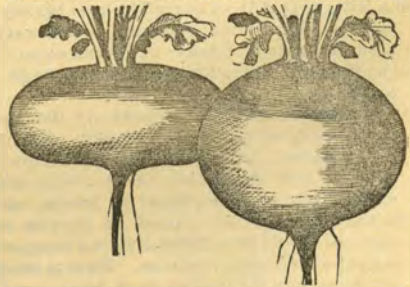
One ounce will sow 150 feet of drill; two pounds will sow one acre.

For early, sow in April. For main crop sow during July and August, and just before or during a showery time if possible. Often by sowing an early variety as late as September 1st a good crop can be obtained. The Purple Top Milan is excellent for this purpose. The soil should be rich and mellow, and kept free from weeds. Sow in drills half an inch deep and twelve inches apart. Thin to six inches apart in the drill.

EXTRA EARLY PURPLE TOP MILAN

(Strap-leaved)—This new variety has proven to be the earliest in cultivation. It is of medium size and flat shape, pure white flesh, of excellent flavor, small top and a good keeper; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5

EARLY WHITE EGG—Very early and particularly desirable for the table, flesh firm and fine grained, sweet and sugary, and of snowy whiteness, egg shaped; per lb. 60c; $\frac{1}{4}$ lb. 25c; oz. 10c..... 5



PURPLE TOP STRAP-LEAVED. PURPLE TOP GLOBE. 5

PURPLE TOP STRAP-LEAVED—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, flavor good. (See cut.) Per

lb. 45c; $\frac{1}{4}$ lb. 20c; oz. 10c; 5 pounds or more not prepaid, at 30c per pound. 5

Mrs. D. C. Adams, of Hoy Springs, Neb., writes: "From a half pound of Purple Top Strap-leaved Turnip seed bought from you we have a hundred bushels of very fine Turnips. Some are as large around as a dinner plate, and weigh seven pounds apiece. All other seeds yielded in proportion."

Early White Six Weeks—Very early and excellent; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

Early White Flat Dutch—An early white fleshed variety, usually sown early in the spring, of quick growth, juicy, mild flavor, and excellent quality, also grown for a fall crop; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

PURPLE TOP GLOBE—Similar to above, except shape. This is the largest yielder of any Turnip on the list, and very desirable either for table use or stock. (See cut.) Per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c; 5 pounds or more not prepaid, 40c per pound. 5

Yellow or Amber Globe—Good for either garden or field culture, large cropper, flesh yellow, fine grained and sweet; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5

ORANGE JELLY, or Golden Ball—A beautiful, bright yellow Turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Always brings a good price in the market; per lb. 65c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

Cow Horn—New, delicate flavor, rapid grower, pure white tinged with green at the crown, per lb. \$1.00; $\frac{1}{4}$ lb. 30c; oz. 10c. 5

WHITE GERMAN—Large size, oval form and very solid, flesh pure white and sweet. This is the best keeping variety that we have found; have been known to keep in perfect condition through winter and until July. (See cut.) Per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5



Large White Norfolk—A good field variety; per lb. 40c; $\frac{1}{4}$ lb. 15c; oz. 5c; 5 pounds or more not prepaid, at 25c per pound.

Large White Globe—Fine for field culture, very productive; lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

Yellow Aberdeen—Excellent for cattle feeding; per lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

Seven Top—The hardest of all sorts. Grown principally for the tops which are much liked for greens; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5

SWEDES OR RUTA-BAGA TURNIPS.

Ruta-Bagas should be sown not later than June, in drills two feet apart, and thin out to eight inches in the rows.

Sweet German—Flesh firm, white and solid, attains a large size and has a rich, sweet flavor; per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5

Skirving's Purple Top—Per lb. 60c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

English Rape—Not a Ruta-Baga, although closely allied, cultivated for its tops, which are valuable for feeding stock, it forms no bulb; per lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

IMPROVED AMERICAN—This is the



leading yellow fleshed variety, very solid, fine quality, valuable for the table and feeding stock. (See cut.) Per lb. 75c; $\frac{1}{4}$ lb. 25c; oz. 10c. 5

Carter's Improved Hardy Swede—Large

size, excellent quality and an immense yielder. Many seedmen rank this as the best of the Swede Turnips; lb. 50c; $\frac{1}{4}$ lb. 20c; oz. 10c. 5

HERBS.

In making up your assortment of seeds for the year, don't neglect to order a few varieties of Herbs. They should have a place in every vegetable garden. Sow seed in spring in shallow drills, one foot apart, and when up, thin out and transplant to a few inches apart. The chief point is to harvest them properly, which should be done on a dry day, when not quite in full bloom, then dried quickly and packed closely, and entirely excluded from the air.

The following are the varieties most cultivated:

	Pkt.	Oz.
Anise.....	5	10
Balm.....	5	30
Basil, Sweet.....	5	25
Borage.....	5	15
Caraway.....	5	10
Catnip.....	10	50
Castor Oil Plant.....	5	10
Coriander.....	5	10
Dill.....	5	15
Fennel.....	5	15
Horehound.....	10	50
Hyssop.....	5	30
Lavender.....	5	25
Majoram, Sweet.....	5	40
Opium Poppy.....	5	30
Rosemary.....	10	50
Rue.....	5	30
Saffron.....	5	15
Sage.....	Per lb. \$2.50; $\frac{1}{4}$ lb 75c.	5 15
Savory, Summer.....	5	25
Thyme, Broad-Leaved.....	10	50
Tansy.....	10	50
Wormwood.....	5	30
Mixed Varieties—A mixture of all the above kinds, and will give a nice garden assortment.....	10	25

BEANS, CORN AND PEAS IN BULK.

These low prices are for purchasers of large lots, they to pay freight or express charges. One half bushel will be sold at bushel rates and one half peck at peck rates.

BEANS.—Dwarf Varieties.

	Pk.	Bu.
Early Mohawk.....	1.10	4.00
Early Valentine.....	1.10	4.00
Early Yellow Six Weeks.....	1.00	3.50
Early China Red Eye.....	1.19	4.00
Refugee or Thousand to One.....	1 10	4.00
Dwarf Horticultural.....	1.25	4.50
Cleveland's Improved Valentine.....	1.25	4.50

	Pk.	Bu.
Large White Kidney.....	1.10	4.00
Large White Marrow.....	1.00	3.50
Golden Wax.....	1.65	6.00
Black Wax.....	1.50	5.50
Jones' Ivory Pod Wax.....	1.50	5.50
White Wax.....	1.50	5.50
California Branch or Tree.....	1.25	4.50
Navy.....	.90	3.00

BEANS.—Pole Varieties.

Large Lima.....	2.00	7.00
Horticultural Pole.....	1.75	6.50
White Dutch Case Knife.....	1.50	5.50
King of the Garden Lima.....	2.00	7.75
Creaseback.....	2.00	7.25
Extra Early Lima.....	2.75	10.00

CORN.—Garden Varieties.

Extra Early Cory (new).....	1.00	3.50
Early Des Moines.....	1.25	4.00
Early Marblehead.....	1.00	3.25
Early Minnesota.....	.90	3.00
Crosby.....	.90	3.00
Perry's Hybrid Early.....	1.25	4.25
Moore's Concord.....	.90	3.00
Amber Cream.....	1.20	4.00
Egyptian.....	.90	3.00
Stowell's Improved Evergreen.....	.80	2.75
Mammoth.....	1.00	3.50
Black Mexican.....	1.25	4.25
Asylum.....	1.00	3.50
Fodder Corn (sweet).....	.65	2.15

POP CORN.

	Pk.	Bu.
Page's New Striped Rice.....	2.00	
Fine White Rice.....	1.50	5.00

PEAS.

Extra Early Challenge.....	1.65	6.00
Cleveland's Alaska (new).....	1.50	5.25
First and Best.....	1.25	4.50
Rural New Yorker.....	1.25	4.50
Bliss' American Wonder.....	2.00	7.50
Carter's First Crop.....	1.00	3.50
Laxton's Alpha.....	1.40	5.00
Tom Thumb (scarce).....	1.60	6.00
Philadelphia Extra Early.....	1.10	4.00
McLean's Little Gem.....	1.75	6.00
Premium Gem.....	1.75	6.50
Kentish Invicta.....	1.25	4.50
McLean's Blue Peter.....	1.50	5.50
Early Kent.....	1.00	3.50
Improved Dan'l O'Rourke.....	1.00	3.50
Bliss' Abundance.....	1.60	6.00
Bliss' Everbearing.....	1.60	6.00
Improved Advancer.....	1.35	4.50
Yorkshire Hero.....	1.40	4.75
Dwarf White Marrow.....	.90	3.00
Champion of England.....	1.50	5.00
Stratagem.....	2.75	10.00
Large White Marrow.....	.75	2.75
Black Eyed Marrow.....	.75	2.75
Dwarf Sugar (edible pods).....	2.25	8.00
White Field.....	.75	2.50
Blue Field.....	.75	2.50

VEGETABLE PLANTS AND ROOTS.

Plants quoted "By Mail," are sent at our expense; "By Express," at the purchaser's. By our system of packing they are sure to arrive in good condition when shipped to any part of the United States. No charge for either packing or boxes.

Plants from hot-bed or cold frame are ready during April and May. Out-door grown, during June and until middle of July.

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

ASPARAGUS ROOTS—For directions for planting etc., see Asparagus seeds.

Conover's Colossal—1-year-old roots, 100 60c; 1,000, \$4. Two-year-old roots, 100, 85c; 1,000, \$6.

"Hub," or Moore's Hybrid—One-year-old roots, 100, \$1; two-year-old roots, \$1.50.

Palmetto—One-year-old roots, 100, \$1; two-year-old roots, \$1.50.

Above prices by express. If to be mailed, add 30c per 100 for one-year-olds, and 40c per 100 for two-year-olds.

CABBAGE PLANTS—Early Varieties—

Early York, Jersey Wakefield, Early Winningstadt and Henderson's Early Summer—by mail, 100, 75c; by express, 100, 50c; 1,000, \$3.50.

Late Varieties—Chase's Excelsior, Premium Flat Dutch, Large Late Drumhead—by mail, 100, 75c; by express, 100, 40c; 1,000, \$2.50.

CAULIFLOWER PLANTS—Snowball and Erfurt—By mail, doz., 20c; 100, \$1.25; by express, 100, \$1; 1,000, \$7.

CELERY PLANTS—Henderson's Half Dwarf, Golden Dwarf, White Plume, and Boston Market—By mail, doz., 20c; 100, \$1; by express, 100, 75c; 1,000, \$5.

EGG PLANTS—New York Improved—by mail, doz., 25c; by express, 100, \$1.25.

GARLIC SETS—Plant early in the spring, in

rows one foot apart and three inches apart in the row. Cultivate like onions; per lb. 40c, post-paid, or 30 cts. if by express.

HORSE RADISH SETS—Plant at any time during spring, in rows two feet apart and about eighteen inches apart in the rows. By mail, per doz., 35c; by express, per 100, \$1; per 1,000, \$8.

PEPPER PLANTS—Large Bell and Cayenne—By mail, doz., 25c; 100, \$1.25; by express, per 100, \$1.

SWEET POTATO PLANTS—We make a specialty of supplying first-class Sweet Potatoes and Sweet Potato Plants, and we take great pains to send out only such as are strong, vigorous, well-rooted and hardy. (Ready about May 1st.) Price by mail, 100, 75c; 200, \$2; by express, per 100, 35c; 1,000, \$2.50.

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

TOMATO PLANTS—Cardinal, Perfection, Favorite, Acme, Beauty or Trophy—By mail, doz., 20c; 100, \$1; by express, 100, 65c; 1,000, \$4.

FLOWER · SEEDS.

Our Floral Beauties come in for their full share of attention, and in fact we have this year given them more time and space than ever before on our grounds. We have in our employ an experienced specialist in this line who, under our supervision, attends to growing whatever can be grown to advantage in this country, tests all novelties offered in this country or Europe, and is constantly striving, by selection and hybridization, to improve the leading varieties, and make our CHOICE IOWA FLOWER SEEDS just what we are striving for—the BEST IN THE WORLD. All who truly love the beautiful, and prize all things new and valuable in the Floral Kingdom, will be interested in the following pages, and also in looking over the varieties named in our novelty list.

Our Flower Seeds are *all fresh*, and we *know* they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will be found to yield a better variety than is commonly found. We aim to sell seeds at five cents per packet in every case where it is possible to give a satisfactory quantity for that price.

To insure success, the conditions and requirements of the several species as to soil, moisture, heat, light, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on most of the seed packets.

The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seed in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. *Do not plant any seeds when the ground is wet.* Many varieties should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich mellow loam, well mixed together and sifted, to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle, transplant into boxes, from one to two inches apart, where they are to remain until time to transplant to permanent beds.

We will always be glad to answer any questions from our customers, relative to the cultivation of any kinds of plants.

ALL FLOWER SEEDS ARE SENT FREE BY MAIL ON RECEIPT OF PRICE, and as an inducement to the formation of clubs, and to those who buy a quantity, we will send seeds in packets to the amount of \$1.25 for \$1, or \$2.75 for \$2.

ANNUALS.

To the Annuals we are indebted mainly for our brightest and best flowers, which gladden the hearts and cheer and brighten the lives of all.

Under this heading we include not only the true Annuals—that is, those plants which grow from seed, blossom and die the same season—but also some Biennials and Perennials, such as Pansies and Daisies, that flower the first season, and then live on for a year or more.

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

Abronia —Trailing habit, similar to Verbenas, bearing clusters of sweet-scented flowers. Effective for bedding in masses:	
— Umbellata —Rosy lilac.....	5
— Grandiflora —Pure rose.....	5
Adonis Aestivalls —Brilliant scarlet, blossoms throughout the season, succeeds well in the shade.....	5
Ageratum —Very desirable for bouquets; a profuse bloomer throughout the season.	
— Mexicanum —Blue.....	5
— Albiflorum —White.....	5
Agrostemma —Hardy, free-blooming plants, making handsome beds, and very useful for cutting:	
— Coeli Rosa —Deep rose color.....	5
— Alba —White.....	5
Alonsoa —A constant bloomer; flowers small but very brilliant; plants removed to the house in autumn will continue to bloom through the winter:	
— Albiflora —White.....	5
— Grandiflora —Scarlet; very fine.....	5
Alyssum, Sweet —The delicate fragrance of this little white flower has made it a general favorite; per oz. 50c.....	5
Amaranthus, Caudatus —(Love-lies-bleeding)—Produces long drooping chains of brilliant colored flowers.....	5
— Cruentus —(Prince's Feather).....	5

- Salicifolius**—(Fountain Plant)—Handsome form, beautiful foliage, very desirable for centers of beds, borders or pot culture..... 10
- Tricolor**—(Joseph's Coat)..... 5
- Anagallis**—Low growing plants, with remarkably bright and handsome flowers; mixed varieties..... 10
- Antirrhinum**—(Snap Dragon)—Those who have cultivated only the old-fashioned, faded Snap-dragons, have no idea how bright and beautiful these new and improved varieties are. They are easily raised from seeds, make a gorgeous bed on the lawn, and if freely cut, so that seeds are not allowed to form, they bloom incessantly throughout the season. If severely cut back early in autumn, new, thrifty shoots will be produced, and the plants will then endure the winter, and bloom well the following season. Our mixtures contain all the new and choice colors, including the beautifully striped, variegated and margined.
- Nanum**—Dwarf varieties, mixed..... 5
- Majus**—Tall varieties, mixed..... 5
- Tom Thumb**—A collection of the most beautiful, very dwarf varieties, mixed colors. 10
- Argemone**—(Prickly Poppy)—Free-blooming; flowers somewhat resemble the Poppy:
- Dark Yellow**..... 5
- Grandiflora**—White..... 5
- Asperula Azurea Setosa**—A hardy, dwarf-growing little annual, producing an abundance of small, light blue, sweet-scented flowers; fine for bouquets..... 5
- Asters**—The numerous forms of the Aster, and the now great variety of rich colors of its perfectly double flowers, make it a leading favorite. For a late summer and fall display it has no equal. Give the Aster a deep, rich soil, with plenty of mulching, and it will surprise even its friends with its profusion of richly-colored, perfect flowers. Plant early as possible:
- Dwarf German**—Mixed colors..... 10
- Pyramidal Bouquet**—Very fine, mixed colors; each plant forms a bouquet..... 10
- Quilled German**—Finest mixed..... 5
- Large-Flowered Rose**—Flowers very large, perfect and brilliant, best mixed colors..... 10
- Victoria**—This is a magnificent sort. Twenty inches high, vigorous in growth, pyramidal in habit, very free blooming; flowers double to the center, very large. Adapted for either garden or window culture. Very brilliant colors, mixed..... 15
- Truffant's Peony-Flowered Perfection**—Mixed colors..... 5
- Hedge-hog, or Needle**—Very peculiar, long quilled petals, handsome and sure to attract attention; mixed colors..... 10
- New Washington**—The largest Aster in cultivation, the flowers often measuring four or five inches across; perfectly double, fine form, and of many exquisite colors. Plant is pyramidal, and very free-blooming; mixed colors..... 10
- All Kinds Mixed**, including seeds of all varieties in the above list, and many others..... 5
- Balsam**—The Balsam, like the Aster, is one of the most beautiful and popular of our Annuals. Like that flower, too, it is a favorite, and so much improved during the last quarter of a century, that it scarcely bears a resemblance to the old flower commonly known as Lady Slipper; unsurpassed for masses, fine for ribbon beds or borders; flowers double as the Rose, and very striking in their rich coloring, ranging from pure white to rich, dark crimson.
- Best Double**—Mixed colors, per oz. 60c..... 5
- Double Rose-Flowered**—White..... 10
- Mixed Colors**..... 5
- Camelia Flowered**—Mixed colors..... 10
- Carnation Striped**—Mixed colors..... 10
- Maiden's Blush**—A new variety of Double Balsam, which is of a very delicate and handsome blush color..... 10
- Bartonia Aurea**—Bright yellow..... 5
- Beet, New Ornamental Foliage**—See page 11 of Novelty List; oz. 35c..... 10
- Begonia**—Tuberous-rooted..... 15
- Rex**—Extra mixed..... 15
- Fourteen flowering varieties mixed**..... 15
- Brachycome**—(Swan River Daisy)—Blue..... 5
- White**—Handsome for beds..... 5
- Browallia Elata**—Produces very delicate and handsome flowers in great abundance; mixed..... 10
- Cacalia Coccinea**—A handsome, free-flowering little plant; owing to the peculiar form of the flower it is sometimes called Tassel-Flower, or Flora's Paint Brush; scarlet..... 5
- Cactus**—Fine mixed varieties..... 15
- Calandrina**—Very pretty little plant for rockeries or vases; hardy, easily grown:
- Speciosa**—Crimson..... 5
- Alba**—White..... 5
- Calendula**—Belongs to the well known Marigold family:
- Officinalis Le Proust**—Very double, nankeen colored, fine..... 5
- Meteor**—Striped light orange..... 5
- Fine Mixed**..... 5
- Calliopsis**—Fine for cutting, and the more you pick it the better it blooms; mixed varieties and colors..... 5
- Callirhoe Pedata Nana**—Large purplish crimson flowers with white eye, very handsome, free bloomers..... 5
- Campanula Speculum**—(Venus' Looking-Glass)—Handsome for masses; hardy, free bloomers..... 5
- Candytuft**—Hardy annual of the easiest culture, an old favorite. Seed should be sown where the plants are in bloom:
- Snow Queen**—This is an entirely distinct species from Spain, and is of marvelous beauty. It grows very rapidly, quickly coming into bloom and remaining in full flower for three months. The very handsome, pure white flowers are produced in such great abundance that each plant resembles a ball of snow..... 10
- Coronaria**—(Tom Thumb)—Dwarf..... 5
- Odorata**—White; sweet-scented..... 5
- Dunnett's Crimson**—Splendid..... 5
- Best Mixed**—Per oz. 40c..... 5

- Canna**—Magificent foliage plants growing from three to six feet in height. If convenient, it is well to start seed in heat; finest mixed, per oz. 40 c 5
- Carnation**—The finest of the *Dianthus* or Pink family, very fragrant; easily grown from seed and blooms second year.
- Double Extra Mixed Colors**..... 15
- Selfs, Mixed**..... 10
- Perpetual, or Tree**..... 25
- Catchfly**—(*Silene Armeria*)—A very pretty and showy little plant; mixed colors..... 5
- Celosia Japonica**—(*Japan Cockscomb*)—Very bright crimson, well grown specimens are large and finely cut, producing a very striking and handsome appearance..... 5
- New Giant Empress**—See Novelty List, page 15.
- Glasgow Prize**—A very fine, semi-dwarf variety, with large, brilliant, crimson comb, and handsome dark foliage; specimens grown on our place for seed this year measured 10 to 12 inches in diameter..... 10
- Cristata Nana**—Dwarf mixed..... 10
- Pyramidalis Plumosa**—Very handsome feathered sort; fine mixed..... 10
- Centaurea Cyanus**—(*Batchelor Button*)—Mixed..... 5
- Moschata**—(*Sweet Sultan*)—Mixed..... 5
- Centranthus**—Very handsome small flowers, desirable for bouquets; mixed varieties..... 5
- Crysanthemum**—One of the prettiest annuals grown. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called "painted daisies," and are indeed charming. Sow seed early in open ground and they will bloom profusely all summer.
- Mixed Varieties**—Includes all the best.... 5
- Indicum Pompon**—Double mixed. This is the most popular green-house variety. Very showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks..... 10
- Cineraria Hybrida**—Very handsome green-house plants, fine mixed..... 20
- Maritima**—Silver-leaved..... 5
- Candidissima**..... 10
- Clarkia Elegans**—Of easy culture, an early and free blooming plant; fine mixed..... 5
- Clanthus Dampieri**—A beautiful shrubby climber, grown mostly under glass, but does well set out of doors in summer time; flowers brilliant scarlet, growing in clusters. 25
- Cockscomb**—See *Celosia*.
- Coleus**—Handsome foliage plants, much used for massing and edging; seed should be started under glass; mixed varieties..... 15
- Collinsia**—Very pretty, hardy annuals, producing an abundance of flowers in clusters; mixed..... 5
- Convolvulus Minor**—(*Dwarf Morning Glory*)—Flowers smaller than the old vining sort, and producing a greater abundance. Beautiful for massing; fine mixed colors.... 5
- Crepis**—Low growing plants with neat little flowers of bright yellow, white, pink and red. 5
- Cuphea Platycentra**—(*Cigar Plant*)—Green-house plant, also makes a handsome border; flowers bright scarlet, tipped with black and white..... 15
- Purpurea**—Fine mixed..... 5
- Cyclamen Persicum**—One of the handsomest of green-house plants. The foliage is handsomely marked and the flowers beautiful. Seed should be sown under glass in well rotted compost and sand; mixed colors; best strain..... 25
- Daisy**—Popular perennials, blooming the first year from seed; very handsome for borders or pots; best double mixed..... 10
- Dahlia**—This beautiful flower is easily grown from the seed. Start early in the house..... 10
- Datura Fastuosa**—Best double mixed..... 5
- Dianthus**—Deservedly popular, coming into bloom early and continuing throughout the season. The fragrance, beauty and bright coloring of their flowers are universally admired; easily cultivated and many of the varieties withstand our severe winters without protection, and produce better flowers the second year than the first.
- Double Diadem Pink**—Superb large double flower. Hieroglyphically marked, like the original Chinese Pinks, in the middle down to the base of each petal; magnificent in color and variety..... 10
- Chinensis**—(*Double Chinese Pink*)—Finest double mixed..... 5
- Heddewigi**—Finest selected single mixed, undoubtedly one of the most showy of the Pink family..... 5
- Laciniatus**—Double fringed, best mixed... 10
- Imperialis**—Double Imperial Pink..... 5
- Mixed Varieties and Colors**..... 5
- Barbatus**—(*Sweet William*)—An old favorite, hardy perennials, single mixed..... 5
- Digitalis**—(*Fox Glove*)—Hardy perennials; bloom the first year; fine mixed..... 5
- Erysimum**—Handsome, hardy annuals; free blooming, resembling the single Wall Flower; deep orange flowers..... 5
- Eschscholtzia**—(*California Poppy*)—Low growing plants; pretty for massing or edging; mixed..... 5
- Euphorbia**—A showy foliage plant..... 5
- Feverfew**—See *Matricaria*.....
- Fuschia Hybrida**—Well known green-house plants. Easily grown from seed; finest double mixed..... 15
- Ferns**—Fine mixed..... 15
- Fox Glove**—See *Digitalis*.....
- Gallardia**—A showy bedding plant, producing an abundance of brilliant flowers through the whole summer and fall:
- Picta**—Best Mixed..... 5
- Lorenziana**—New double, one of the finest annuals grown for bedding and cutting..... 10
- Grandiflora**—Very handsome perennial; varieties mixed..... 10
- Geranium, Fine Mixed Colors**—Contains a choice assortment. We have made the price very low so that all can try raising new varieties from the seed..... 5

- Tom Thumb**—Best dwarf; mixed colors... 10
- Apple-Scented**—Per 100 seeds 75c... 25
- Gilia**—Low growing annuals, pretty for borders or beds; flowers profusely; very useful for cutting; of easiest culture:
- Tall Varieties**—Mixed... 5
- Dwarf Varieties**—Mixed... 5
- Gladiolus**—A well known flower, easily grown from seed, and we should like to have all of our customers try raising them in this way. This seed is of our own growing from the very best varieties, and will produce an assortment sure to please any lover of flowers. They bloom the second year from seed... 10
- Gloxinia**—Green-house plants, producing richly colored and brilliant flowers; finest strains of new hybrids; mixed... 25
- Godetia**—Handsome plants for borders or ribbon beds, flowers very bright, constant bloomer; best varieties mixed... 5
- Gypsophila Elegans**—Very handsome small flowers, produced in loose panicles in great abundance; fine for bouquets; also much used dried for winter bouquets; mixed colors... 5
- Helianthus**—(Sunflower)—Some varieties of this well known plant are very ornamental:
- Globosus Fistulosus**—Double, the best of the tall varieties... 5
- Nanus**—True double dwarf, quite pretty... 5
- Variegated**—Handsome ornamental foliage... 10
- Mammoth Russian**—Largest of all; per lb. 50c; oz. 10c... 5
- Common**—Per lb. 40c; oz. 10... 5
- Hellotrope**—A great favorite with all lovers of flowers for their beauty and fragrance; well suited for beds borders and pot culture... 10
- Hollyhocks**—Don't fail to try these flowers which are so fast becoming popular and fashionable. See description page 18 of novelty list. The five following varieties for 40c:
- Double Pure White**... 10
- Salmon Rose**... 10
- Crimson**... 10
- Splendid Mixed**... 20
- Fine Mixed**... 5
- Hybiscus Africanus**—Handsome hardy annuals with large highly colored flowers... 5
- Hyacinthus Candicans**—Throws up flower stalks three to four feet high, with beautiful white drooping flowers; fine for mixing in beds of Gladiolus; blooms second year... 10
- Ice Plant**—A very attractive trailing plant, much admired for baskets or rockeries... 5
- Jacobæa**—Blooms throughout the season making a brilliant show; mixed varieties... 10
- Kaulfussia**—Good border plants... 5
- Lantana**—Green-house perennial; makes a fine bedding or pot plant; easily grown from seed:
- Hybrida**—Best mixed colors... 15
- Larkspur**—Beautiful plants with fine cut leaves. They do best in a rather heavy rich soil:
- New Double Striped**—The handsomest variety extant; colors bright and distinct; don't fail to try it. See novelties page 13... 15
- Dwarf German Rocket**—Mixed colors... 5
- Tall German Rocket**—Mixed varieties... 5
- Hybrida**—Very fine; mixed varieties... 10
- Leptosiphon**—Very handsome in borders and ribbon beds; succeed best if shaded a little; mixed... 10
- Linum**—(Scarlet Flax)... 5
- Lobelia**—Handsome trailing plants; profuse bloomers; elegant for baskets, vases, borders:
- Crystal Palace**—Handsome blue... 5
- Erinus**—Mixed colors... 5
- Lupinus**—Commonly called Sun Dials; flowers of very bright colors, produced in spikes; a fine bedding plant:
- Mixed Varieties**... 5
- Lychnis**—Very desirable hardy perennials; blooming the first year if sown early:
- Haageana Hybrida**—Fine mixed var's... 10
- Malope**—Strong growing plants with pretty blue and white flowers, produced in great abundance; mixed... 5
- Matricaria Capensis**—(Double Feverfew)—This may be called everybody's favorite; a splendid bedding plant, and one of the best to pot for winter flowers; pure white... 10
- Golden**—(See *Pyrethrum*.)
- Marigold**—These have been greatly improved within the past few years, and are now popular garden flowers. The flowers of some varieties are perfectly double, distinctly margined, spotted and striped. The following mixtures contain all the very best varieties:
- African**—Double mixed... 5
- French**—Double mixed... 5
- Dwarf French**—Double mixed... 5
- Mignonette**—Well known sweet scented little flowers; fine for borders or masses:
- Sweet-Scented**—The old favorite; oz. 20c... 5
- Grandiflora**—Large flowered... 5
- Golden Queen**—A very distinct new variety, with bright golden flowers... 5
- Parson's White**—Very pretty... 5
- Miles' Spiral**—Long and large spikes... 5
- Machet**—A variety of very dwarf, vigorous growth, with massive spikes of deliciously-scented red flowers; the best of all sorts for pots... 10
- Mimulus Moschatus**—(Musk Plant)... 5
- Tigrinus**—Tigered and spotted varieties; very fine... 10
- Duplex**—Beautiful double (Hose in Hose) tigered and spotted varieties... 10
- Myrabilis Jalapa**—(Four o'clocks)—An old favorite, useful for massing or borders... 5
- Myosotis**—(Forget-me-nots)—Perennials; bloom first year from seed. Pretty plants with neat little star-shaped flowers:
- Alpestris, Blue**... 5
- White**... 5
- Palustris**—True Forget-me-not; blue... 10
- Nasturtium**—(Tom Thumb)—None of the annuals make a prettier bed. The brilliant coloring of the flowers are very attractive:
- Extra Choice Mixed Colors**... 5
- Crystal Palace Gem**—Sulphur, spotted with maroon; very handsome... 5
- Empress of India**—A grand new sort; very dwarf and compact in habit, the leaves

- being of a dark purplish color, while the flowers are of a deep brilliant crimson 10
- Nemophila**—Elegant little plants for early spring flowers, and will bloom freely all summer if protected a little from the hot sun; six to eight inches high; mixed colors..... 5
- Nicotiana Affinis**—A night-blooming plant, about two feet high, blooming throughout the season. The flowers are tubular, white, profusely borne, and delightfully fragrant. We know of no garden flower yielding a more agreeable odor. A few plants will perfume the whole yard or garden..... 10
- Nigella**—(Love in a Mist)—Hardy annuals, about one foot in height, finely cut leaves and handsome flowers; blooms early; mixed..... 5
- Nolana**—Flowers cup-shape with pretty shades of violet and blue; mixed varieties... 5
- Oenothera**—(Evening Primrose)—An interesting half hardy annual, opening its flowers towards evening with a snap that is sure to attract attention, especially of the children:
—**Acaulis Alba**—Pure white, very handsome 10
—**Lamackiana**—Yellow 5
Oxalis—Handsome basket plant; summer or winter; fine for rockeries 10
- Pansy**—This little beauty needs no extended description, as it would be hard to find even a child in the land whose heart has not been gladdened by their bright faces. Pansies like a moist, rather shady location and rich soil. Should be watered freely in dry weather. Seed started in February or March will produce early spring flowers. The largest flowers are always produced on plants which come into bloom in the autumn. All should try our new varieties:
—**Iowa Beauty**—See novelties, page 12..... 25
—**Iowa Giant**—See novelties, page 12..... 25
—**Giant Trimardeau**—See novelties, p. 12... 25
—**Golden Trimardeau**—See novelties, p. 12. 25
The above four for 75c.
—**Azure Blue**—Very fine shade of sky blue.. 5
—**Bronze-Colored**—Handsome..... 5
—**Cliveden Purple**—A very rich color..... 5
—**Violet Margined with White**..... 10
—**Pure White**—Appropriate for cemeteries.. 5
—**Golden Yellow**—Best of the yellow varieties; desirable as a contrast..... 10
—**Faust**—(King of the Blacks)—Jet black..... 5
—**Snow Queen**—Flowers of a delicate, pure, satiny white, handsome and attractive..... 15
—**Emperor William**—Ultra-marine blue.... 10
—**Odier, or Blotched**—This superb, large variety of pansies have been much improved, 20
—**Lord Beaconsfield**—New, large flowers of deep purple violet, shading off in the petals to a white hue..... 10
—**Quadricolor**—New and distinct; fine..... 10
—**Choice German Mixed**—Magnificent large velvety flowers of richest hues and colors 20
—**Choice Large-flowering Mixed**—Very fine..... 10
—**Fine Mixed**—Choice varieties; per oz. \$2... 5
—One packet each of the nineteen varieties, \$1.75.
- Parsley**—**Beauty of the Parterre**—This new and very handsome variety we list here as being very useful and valuable for lines and edgings in the flower garden..... 5
- Perilla Nankinensis**—An elegant, finely cut leaved foliage plant..... 5
- Petunia**—Are easily grown from seed and succeed in any common soil. The double varieties require more care and should be started in the house. The great variety of bright colors, beautiful stripings and markings and constant show of bloom make them general favorites:
—**Fine Mixed Colors**..... 5
—**Hybrida**—Extra fine striped and blotched varieties; mixed colors; handsome..... 10
—**Grandiflora Fimbriata**—Finest fringed variety in mixture combining elegance of form, with great diversity of delicate and charming colors. Extra large flowers..... 15
—**Double Inimitable**—Splendid mixture; Our seed is Benary's best and will produce a large per centage of fine double-flowering plants..... 25
- Phlox Drummondii**—If we could have but one flower for our garden, that one would be the Phlox. Its brilliant shades of color ranging from clear white to brilliant scarlet make an almost dazzling show; continually in bloom:
—**Alba**—Pure white 5
—**Coccinea**—Brilliant scarlet 5
—**All Varieties**—In finest mixture..... 5
—**Grandiflora Mixed**—Has a much larger flower than the common, and preferable in every way; all colors..... 10
—**Grandiflora Occulata**—Very large flowers with a distinct, well-defined eye..... 10
—**Grandiflora Stellata Carminea**—Very handsome carmine flowers, with pure white, star-like eye..... 10
—**Nana Compacta Mixed**—Dwarf, compact growing class; very fine for borders and ribbons 10
—**Fireball**—Brilliant, dazzling scarlet... 10
—**Snowball**—Delicate, pure white..... 10
—**Cuspidata**—See Novelties, page 12.
—**Double Pearl**—See novelties page 14..... 15
- Poppy**—Hardy annuals, very showy and of easy culture; some of the double and newer sorts are exceedingly attractive. Within the past few years many very beautiful sorts have been introduced, and to those who have cultivated the old-fashioned Poppies, these improved varieties will be a surprise:
—**White Crimson Tipped**—A new, very handsome variety, which is unusually double. Petals are tipped with crimson..... 10
—**Double Carnation**—Fifteen varieties mixed; will make an attractive bed..... 5
—**Paeony-flowered**—Fine mixed..... 5
—**Papaver Umbrosum**—Flowers rich, glowing vermilion, with a deep shining black spot on each petal..... 5
—**Opium**..... 5
- Portulaca**—This old favorite is brightest in the hot, dry weather when other flowers are drooping; they are of almost every conceivable shade of color, and will make one of the brightest spots in the garden:

- Single Varieties Mixed** 5
- Double Mixed**—Very handsome, double as a rose and contains a color and shading unknown in the single..... 10
- Pyrethrum, Golden Feather**—A very handsome foliage plant..... 5
- Golden Gem**—A beautiful plant for edgings or ribbon beds; double flowering..... 5
- Roseum**—Persian insect powder plant..... 10
- Ricinus**—(Castor Oil Bean)—Stately foliage plants; make a very handsome appearance on the lawn planted singly; also fine for clumps:
- Africanus**—Stalk and pods rose color..... 5
- Gibsoni**—Dark purple stem and leaves; fine 5
- Sanguineus Tricolor**—Blood-red stalk; very attractive..... 10
- Giantes**—The largest variety grown..... 5
- Common**—Per oz. 10..... 5
- Salpiglossis**—A very handsome, half-hardy annual; flowers beautifully veined and penciled:
- Finest Mixed**..... 5
- Variveined** 10
- Salvia**—One of the most brilliant of flowers; thrives in any light, rich soil; often called Flowering sage; are all free bloomers:
- Coccinea Hybrida**—Fiery scarlet... 5
- Hominum Alba**—White..... 5
- Splendens**—Brilliant scarlet; very fine..... 10
- Saponaria**—Desirable low-growing plants; suitable for edgings or borders, flowering throughout the season; hardy annuals, of easy culture; setting alternate plants of red and white makes a handsome border:
- Red, White and Mixed**—Each..... 5
- Scabiosa**—(Mourning Bride)—One of the best of free-flowering hardy annuals of very handsome colors:
- Atropurpurea**—Best tall varieties; mixed. 5
- Best Double Tall Varieties**—Mixed... 5
- Nana**—Best Double Dwarf; mixed... 5
- Schizanthus**—Pretty, free-flowering, half-hardy annuals, with oddly marked flowers; mixed..... 5
- Sedum**—Well suited for baskets and rock-work; blooms freely; many varieties mixed.. 5
- Sensitive Plant**—A very pretty and curious plant, the leaves closing when touched; seeds start slow, and it is best to start them in boxes, cover shallow and see that they do not dry out; it makes a good house plant for winter, and always pleases the children..... 5
- Statice Sinnata Hybrida**—Produce their small flowers in panicles; will hold their color when dry, and are valuable to work up with the everlasting; hardy and of easy culture; fine mixed..... 5
- Stevia Serrata**—Produce an abundance of pretty white flowers early in the fall..... 5
- Stocks, Ten Weeks**—This plant embraces wonderful range of colors, unsurpassed for beds, borders or pot culture. To insure the best results they should be started early in the house and be transplanted to rich soil, deeply cultivated, with plenty of moisture:
- Large-Flowering Dwarf German**—Finest varieties mixed..... 5
- Brompton, or Winter**—Not hardy enough to stand our winters, but potted in the fall they make good winter bloomers and can be transferred to the garden in the spring; mixed colors..... 10
- Sunflower**—See *Helianthus*.
- Torenia Fournieri**—Beautiful free-flowering, trailing plants, well suited for baskets, vases and in moist situations out of doors. A very handsome plant, well worthy a trial..... 10
- Verbena**—Plant seed in boxes or under glass in March, and transplant when a few inches high. In this way the verbena can be grown from seed as early as any annual and will produce much stronger plants than cuttings; another advantage is that a large portion of the plants will produce fragrant flowers. They delight in rich soil and good culture, and will repay all such trouble by abundance of bloom and richness of their color:
- Henderson's New Mammoth**—When well grown, every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary Verbena..... 25
- New Erecta Compacta**—See Novelties, page, 13..... 25
- Candidissima**—Large trusses of pure white flowers; very beautiful 15
- Defiance**—True scarlet; extra fine..... 15
- Niveni**—White, sweet-scented..... 10
- Fine Mixed**..... 10
- Extra Choice Mixed**—From the finest German collection of named sorts..... 25
- Good Mixed**—Contains a nice variety..... 5
- Vinca**—Seed should be started in the house and plants set out the first of June. They make very handsome border plants, giving a mass of bloom through the summer and fall, when they may be potted for the winter flowering in doors. Mixed varieties..... 10
- Virginia Stocks**—Free flowering, hardy little annual, pretty for beds, edgings, baskets or vases; easily grown; mixed colors..... 5
- Whitlavia**—Delicate and pretty, but perfectly hardy plants with drooping clusters of bell-shaped flowers; they thrive in cool, moist situations, free bloomers, and for partially shaded places are very desirable:
- Grandiflora**—Dark blue. 5
- Alba**—White 5
- Zinnia**—Strong growing, hardy and elegant plants, rivaling the Dahlia in size and doubleness, while the colors are bright and varied, ranging from pure white to deep, purplish crimson. Splendid for hedges, beds or borders:
- New Zebra**—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome; all colors mixed... 10
- Elegans, Fine Mixed**—Single..... 5
- Finest Mixed Double**—Tall sorts..... 5
- Finest Mixed Double Dwarf**..... 5

EVERLASTINGS.

A very useful class of plants for winter decorations, as well as being very handsome garden plants. The flowers should be picked as soon as open, and the stems tied carefully together to keep them straight; dry in the shade, and they will retain their form and color for years.

Acroclinium—Strong growing plants, with handsome, daisy-like flower:

—**Roseum**—Pretty rose color..... 5

—**Fl. Albo**—Pure white..... 5

—**Fl. Pleno**—Splendid double mixed..... 10

Amobium Alatum Grandiflorum—New, one of the prettiest of the everlastings..... 5

Edelweiss—The pretty Alpine flower so much admired and sought after by tourists; hardy perennial..... 20

Gnaphalium Orientale Fl. Pleno—The famous French Immortelle..... 15

Gomphrena—(Globe Amaranth)—Mixed varieties..... 5

Helichryum—A mixture of splendid double varieties, one of the best and most easily grown of the everlastings..... 5

Rhodanthe Maculata—Pretty bell-shaped, bright rosy crimson flowers..... 10

Statice—Not a true everlasting, but retain their color when dry, fine for bouquets, fresh or dry; fine mixed colors..... 5

Xeranthemum—Free-flowering, easily grown, making a very handsome bed:

—**Double White**..... 5

—**Double Purple**..... 5

—**Superbissimum**—Pompon flowered..... 10

Everlastings Mixed—Contains the above and several other handsome varieties..... 10

ORNAMENTAL CLIMBERS.

This list includes all the most desirable, both of the delicate and the vigorous growing varieties.

Adlumia—(Mountain Fringe)—A beautiful, hardy perennial, with Fern-like foliage..... 5

Balloon Vine—Half-hardy annual, requires partial shade; pretty vine and flower..... 5

Calampelis Scabra—Bright orange flowers produced in great abundance..... 10

Cobaea Scandens—One of the most magnificent climbers, prized for its rapid growth (often twenty to thirty feet) and abundance of beautiful, brilliant, scarlet flowers; the seed should be planted edgewise, in moist earth—a pot or box is best—and given little or no water till plants are two or three inches high..... 10

—**White**—New and elegant..... 10

Convolvulus Major—(Morning Glory)—Very useful, rapid and free-blooming, hardy climbers; mixed colors; per oz. 15c..... 5

Cypress Vine—Rapid climbers, handsome, finely-cut foliage and bright-colored flowers:

—**Scarlet**—Very bright..... 5

—**White**—Pretty in contrast with scarlet..... 5

—**Mixed Colors**..... 5

Dolichos Lablab—(Hyacinth Bean)—An excellent climber for dry, exposed places; mixed..... 5

Gourds—Useful for covering fences, arbors or old trees and stumps; greatly admired for their curiously-shaped and colored fruit:

—**Calabash, or Dipper**..... 5

—**Hercules Club**..... 5

—**Nest Egg**—Used largely for nest eggs..... 10

—**Dish Cloth**..... 10

—**Sugar Trough**..... 10

—**All Varieties Mixed**—Includes the above and many other varieties..... 5

Ipomea—Embraces large class of plants much admired for their fine foliage and handsome flowers; free bloomers and rapid growers:

—**Bona Nox**—Large purplish flowers; blooming at night; often called Good Night or Evening Glory..... 5

—**Purpurea**—(Morning Glory)—Mixed..... 5

—**Quamoclit**—(Cypress vine)—Mixed colors.. 5

Moonflower—See Novelties, page 15.

Maurandia—Pretty for baskets, window vases and indoor decorations; fine mixed..... 10

Nasturtium, Tall—Admirably adapted for rock work, covering trellises, etc. They have recently come into much favor again:

—**Choice Mixed Color**—Per oz. 15c..... 5

—**Roi des Noirs**—Almost black, very distinct. 10

—**Napoleon III**—Golden yellow, striped with rosy scarlet..... 10

—**Geant des Batailles**—Brilliant carmine... 10

—**Smilax**—Much used for winter decorations; seed starts slowly and should be planted in loose, rich soil and kept moist and warm..... 20

Sweet Peas—A hedge of Sweet Peas in bloom is one of the prettiest sights imaginable. The richness of their color and delicacy of their fragrance make them indispensable in the flower garden. See list and description, p. 13.

—**Queen of the Isles**..... 10

—**Butterfly**—White, tinted lilac; oz. 25c..... 10

—**Crown Princess of Prussia**—Blush..... 10

—**Invincible, Scarlet**—Oz. 15c..... 5

—**Painted Lady**—Pink and white; oz. 20c..... 5

—**Violet Queen**—Very pretty; oz. 25c..... 10

—**White**—Oz. 15c..... 5

—**Extra Fine Mixed**—Contains a splendid assortment; per lb. \$1; ¼ lb. 35c; oz. 10c..... 5

—**Everlasting Peas**—Mixed colors..... 5

Thunbergia—Rapid growing, free blooming climbers, well suited for house culture, baskets or vases; mixed..... 5

Tropeolum—One of the most desirable of the annual climbers; easily grown in any common garden soil; produces an abundance of flowers of handsome shades or various bright colors:

—**Peregrinum**—(Canary bird flower)—Curious bright yellow flowers, resembles canary birds 10

—**Lobbianum Spitfire**—Bright scarlet..... 5

—**Finest Mixture**—All sorts..... 5

—**Majus**—(Tall Nasturtium)—Best mixed..... 5

—**Mixed Climbers**—Contains a mixture of all the above varieties which are suitable to grow together..... 10

BIENNIALS AND PERENNIALS.

Plants of these do not flower till the second season; among them are some of our best known and highly-prized flowers. Seed may be sown in spring where plants are to bloom, or later in the summer in beds protected from the hot sun and kept moist.

Aquilegia —(Columbine)—Very hardy and easily grown; flowers of all shades; mixed varieties.....	5	five to ten feet high, die down to the ground every winter, starting up again in the spring; fine mixed.....	5
Aconitum Napellus —(Monk's Hood)—Does well under shade.....	5	Sweet William —(Dianthus Barbatus)—For richness and diversity of color the flowers of the Sweet William are hardly equaled; perfectly hardy.....	5
Carnation —The finest of the Dianthus or Pink family; very fragrant; our seed is unsurpassed.....	15	—Single Varieties Mixed.....	5
—Double Extra Mixed.....	15	—Double Varieties Mixed.....	10
—Selfs Mixed.....	10	Viola Odorata —(Sweet Violet).....	10
—Perpetual or Tree.....	25	—All Varieties Mixed.....	10
Canterbury Bell —A free blooming and very handsome border plant; flowers bell-shaped:—Single Mixed.....	5	Wallflower —Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers; half-hardy:—Double Varieties Mixed.....	15
—Double Mixed.....	5	—Single Varieties Mixed.....	5
Delphinium Chinensis —(Perennial Larkspur)—Well known and very desirable border plants, producing their flowers on long spikes; fine mixed.....	5	Veronica —Extremely pretty little plants for edging; seed should be started early to be valuable the first of the season; mixed varieties.....	5
Lathyrus Latifolius —(Perennial Peas)—Handsome, free flowering plants, growing		Mixed Biennials and Perennials —A splendid mixture of the hardy varieties.....	10

SEEDS FOR THE GREENHOUSE.

Florists and amateurs can rely on our seeds being of the finest strains from the best European growers.

Abutilon —Fine mixed.....	25	Cyclamen , Persicum —Best mixed.....	25
Begonia , Tuberous Rooted —Finest new single varieties; mixed.....	15	Fuchsia , Hybrida —Finest double mixed.....	15
— Rex —(Ornamental-Leaved Varieties)—Extra fine mixed; all should grow them.....	15	Ferns , Best Varieties Mixed.....	15
—Mixed—Fourteen excellent varieties.....	15	Geranium , Apple-Scented —100 seeds, 75c.....	25
Calceolaria Grandiflora —Mixed hybrids.....	25	— Zonale —Fine mixed.....	5
Cactus —Mixed varieties.....	15	— Tom Thumb —Mixed varieties.....	10
Cineraria Hybrida —Mixed.....	20	Gloxinia —Choice mixture of French hybrids.....	25
— Maritima —White-leaved variety.....	5	Heliotrope —Fine mixed.....	10
— Candidissima	10	Lantana —Best mixed.....	15
Cilanthus , Dampieri	25	Primula Sinensis —(Chinese Primrose):—Splendid Mixed.....	25
Coleus —Mixed varieties.....	15	—Best Double Mixed.....	50
Cuphea , Platycentra —(True Cigar Plant).....	15	— Fimbriata Mixed.....	40
— Purpurea —Fine mixed.....	5	— Elatior —(Polyanthus).....	1
		Vinca , Mixed Colors	1

ORNAMENTAL GRASSES.

These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the Everlastings into winter ornaments; they lend a grace and beauty not obtainable without them.

Agrostis Nebulosis —Delicate and elegant.....	10	A magnificent grass with graceful plumes twenty to thirty inches long. Roots must be kept from frost.....	10
— Pulchella —Very graceful.....	5	Hordeum Jubatum —(Squirrel's Tail).....	5
Briza Maxima —(Quaking Grass).....	5	Lagurus Ovatus —(Hare's Tail).....	5
— Gracilis —Smaller than above, very graceful		Stipa Pennata —(Feather Grass)—Very graceful and elegant.....	5
Bromus Brizaformis —An elegant grass.....	5	Zea Japonica —(Striped Japanese Maize).....	10
Coix —(Job's Tears)—Fine for massing.....	5	Mixed Grasses —A mixture of the above ornamental grasses suitable to grow in masses; makes a very striking as well as useful collection.....	5
Eragrostis Elegans —(Love Grass).....	5		
Erianthus Ravennæ —Similar to Pampas Grass and perfectly hardy.....	10		
Eulalia Japonica —An extra fine tall growing Japanese Grass, very fine for groups.....	10		
Gynerium Argenteum —(Pampas Grass)—			

MIXED FLOWER SEEDS FOR THE WILD GARDEN.

A mixture of a great number of such flower seeds as are suitable to be planted together. Altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Select a light rich soil, as free from weeds as possible, and plant in this latitude about the tenth of May. Half oz. 20c; pkt. 5c.

GRAND ASSORTMENT OF FLOWER SEEDS.

Col. A—100 packets annuals; best varieties; all different; an unequalled collection for only \$3.50.

" B—50 packets same for only \$2.00.	
" C—25 " " " \$1.00.	
" D—12 " " " 50.	
" E—12 " " " White flowered annuals 60c.	

Col. F—12 packets sweet scented annuals for only 50c.

" G—8 packets everlasting flowers for only 25c.

" H—12 packets ornamental climbers for only 50 cents.

" I—100 packets grand collection of annuals, biennials, perennials, everlastings, ornamental climbers, and ornamental grasses. Contains many of the choicest and most expensive varieties \$5.00.

PLANTS AND BULBS.

We are now making a specialty of this branch of our business, and are devoting a large space to the growing of flower plants, exclusively for the mail trade, as they require special culture for this purpose and *must be hardy*, as well as strong, vigorous and healthy. Plants which have been pushed ahead and had a mushroom growth, such as is common in hothouses, are of but little value for mailing.

We have adapted a new system of packing which is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

At prices named we send the plants postpaid. When plants are ordered to be sent by express, we not only send larger plants, but also put in enough extras to cover the express charges, and where it is possible to do so, we should advise our customers to have their plants shipped in this way.

No order amounting to less than One Dollar will be filled unless ten cents extra accompany same to cover extra cost for packing and postage.

Abutilons—Rapid growing plants, blooming almost the entire year; flowers pendulous and bell shaped:

—**Gauntlet**—Vermilion red..... 10

—**Layellon**—Bright golden yellow..... 10

—**Snow Ball**—Pure white..... 10

—**Mesopotamicum Variegatum**—Leaves blotched and marbled; plant of a trailing or drooping habit; very attractive for vases, baskets or rock work..... 10

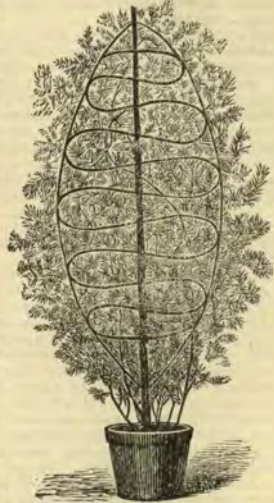
—**Thompsonii Plena**—Double—The only double variety of its class. Flowers rich, deep orange, shaded and streaked crimson; foliage variegated; free flowering; good border plant..... 15

Achanta Malvaviscus—A vigorous growing plant resembling the Abutilons in habit and growth; valuable alike for bedding or pot culture, blooming profusely throughout the entire year; flowers brilliant scarlet..... 10

Aloysia Citriodora, Lemon Verbena—Foliage delightfully fragrant; to simply brush against it is enough to perfume an entire room with its delicious lemon odor..... 15

Alyssum, Sweet—Double white—Each flower in the truss semi-double, and of the purest white; habit strong, compact and short jointed. Tom Thumb, very dwarf and free-flowering; fine for vases or making ribbon lines. The Gem, the best double flowering variety; has beautiful variegated foliage. \$1.00 per dozen..... 10

Asparagus Tennisimus—A beautiful species of climbing habit, remarkable for the delicate appearance of its foliage. As a decora-



ASPARAGUS TENNISIMUS.

tive plant for the conservatory or window it is very striking, and for contrast with foliage of other plants it is one of the most effective. The sprays are beautiful used in cut flowers and in the arrangement of bouquets..... 15

Bouvardias—The Bouvardias make splendid bedding plants, flowering throughout the summer, fall and winter. They are of the easiest culture, giving their rich colored flowers in great profusion.—**Davidsoni**, single white; very free. **Alfred Neuner**, double white; like little clusters of tuberoses, very handsome. **President Garfield**, double pink; beautiful. **Elegans**, carmine; an especially fine sort; each..... 15

Calla Ethiopica—(Lily of the Nile)—A fine house plant; flowers large creamy white and very valuable each..... 15 to 50

—**Richardia Maculata**—(Spotted Calla)—The foliage resembles the Calla in shape and is beautifully spotted white; the flowers are shaped like the Calla, pure white, shaded with violet inside..... 25

Begonia, Flowering Var., Rubra—One of the finest; a constant bloomer, color, scarlet rose..... 15



BOUVDIA.

- Richardsonii—Pure white..... 10
 —Saundersonii—Deep scarlet..... 10
 —Weltoniensis—Rich Pink..... 10
 —Metalica—Leaves a metallic bronze; flowers light pink..... 15
 —Argyrostigma Picta—Leaves dark green, spotted white..... 15
Begonia Rex—A magnificent class of house plants, remarkable for the variety and beautiful markings of the foliage; well adapted to vases and baskets in shaded situations. A large assortment..... 25
Carnation Pinks—Snowden—Pure white; very free bloomer..... 10
 —**Fire Brand**—Bright scarlet..... 10
 —**La Purite**—Carmine pink..... 10
 —**Crimson King**—Dark crimson; clove scent 10
 —**Mrs. Joliff**—A beautiful bluish; clove scent 10
 —**Buttercup**—See novelties.
Cactus—An extremely curious and interesting genus of plants, many of the varieties producing magnificent flowers of the most brilliant and striking colors; succeeds best in sandy loam mixed with a little peat; water very sparingly. We have a large assortment of these curious plants which have lately become so popular, and we will send postpaid to any one address 10 for \$1.00; each..... 15
Centaurea Gymnocarpa—Silver gray fern like foliage, fine for baskets, ribbon lines, etc.: each..... 10
Cupiea Platycentra—(Cigar Plant)—Fine basket plant with scarlet pendulous flowers; constant bloomer..... 10
Coccoloba Platyclada—A plant of very singular and interesting growth, stems and branches growing in flat and broad joints, of half drooping habit, well suited for vases, baskets and rustic work, of easy culture..... 10
Coleus—The Coleus is the best and cheapest ornamental leaved plant we have for ornamental bedding; a few dozen of these plants will make a beautiful bed. There is such an endless variety in their color and markings that, with a little taste in planting varieties, the most gratifying results can be obtained at a trifling cost; mixed colors; 75c. per doz..... 10
Cyperus—A splendid aquatic plant, throwing up stems surmounted at the top with a whorl of leaves, diverging horizontally, giving it a very novel appearance; fine for the center of vases or aquariums..... 25
Cyclamen Persicum—The Cyclamen is particularly adapted for window culture, blooming in the winter and early spring months; the flowers are singular in shape and of various colors..... 25
Cineraria—A favorite green-house plant, with handsome, large clusters of flowers, in rich diversified colors..... 25
Chrysanthemums—These are now, and deservedly, the most fashionable of all autumn flowers; their easy culture and freedom from insects and disease commend them to the most inexperienced cultivators, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the fashionable flower of autumn.—Meteor, large cream white. White Eve, large and very full pure white. Aster, lavender pink. Fantasma, white fringed. Gen. Bainbridge, cream white, tinted pink. Mrs. Brett, yellow fringed. Snow Ball, white, very full, resembling a Dahlia; Bob, orange brown; Eline, large lavender; fine; Fire Fly, rich dark crimson; Ben D'or, large yellow; fine; Mdm. Craizette, large pink; La Africans, orange yellow, changing to a bronze; Fair Maid of Guernsey, large pure white; fine; \$1.00 per doz.; each..... 10
 Other varieties, see novelty list. Large plants in the fall 35c to \$1.00 each.
Ferns—These beautiful plants are now very generally cultivated; their great diversity and gracefulness of foliage make them much valued as plants for vases, baskets or rock work, or as specimen plants for parlor or conservatory..... 15 to 50
Fatragium Grande—(Leopard Plant)—A first-class ornamental plant for pots, well adapted for house culture; the leaves are

- thick and leathery, dark green with yellow spots..... 29
 —**Snow Flake**—A variety of the above with the leaves edged and splashed with white and often tinged with pink..... 25
Feverfew, Double White—Popular, free blooming plant; per doz. 75c; each..... 10
 —**New Golden**—Best golden yellow foliage; used for bedding, edging, etc.; per doz. 75c; each..... 10
Fuchsias—Avalanche, large double purple corolla, yellow foliage. Black Prince, tube and sepals carmine; pink corolla. Earl of Baconsfield, blooms three inches long, sepals carmine, corolla deep carmine; fine. Speciosa, sepals bluish, corolla carmine, one of the best. Wave of Life, foliage golden, sepals crimson, corolla violet. Elm City, sepals crimson, double purple corolla. Mdm. Van der Straus, sepals crimson, double white corolla. Snow Fairy, sepals crimson, double pure white corolla. Meteor, a trailing variety with beautiful foliage shaded from bright red to dark bronze. Carl Holt, sepals white, corolla striped crimson; per doz. \$1.00; each. 10
 —**Storm King**—See novelties.
 —**Phenomenal**—See novelties.
Funkia Alba—White day lily..... 25



NEW LIFE GERANIUM.

- Geraniums, Fancy Leaved**—Mad. Pollock and Sunset, each..... 25
 —Mt. of Snow, Happy Thought, Distinction, Crystal Palace Gem, Golden Circle, Cloth of Gold, Mad. Sallerol, Marshal McMahon, and Bismark, each..... 10
 —**Scented**—Apple, Nutmeg, Rose, Balm, Peppermint, Lemon, Oak Leaf, F. Taylor, Skeeton Leaf and Variegated Rose, each..... 10
 — **Ivy**—Ten choice varieties, each..... 10
 We have not space to list all, but will here name a few of the leading flowering sorts:
 —**Single**—Queen of the West, orange scarlet, best bedding variety. Senator Allison, dark velvet scarlet, large white eye. Le Grande, large scarlet white eye. Geoffery, the darkest single scarlet grown, fine. Master Christine, bright pink, splendid bloomer. Jealousy, large orange yellow. New Life, scarlet and white striped, no two flowers alike, very attractive; (see cut.) Cygnes, the best single white. Peach Blossom, the color of a peach blossom exactly; per doz. \$1.00; each..... 10
 —**Double**—Ami Hose, rich deep crimson; one of the best. Henry Cannell, intense deep scarlet; one of the best for bedding. Asa Gray, orange salmon, extremely good bloomer. La Constitution, yellowish salmon; very fine. Mrs. Garfield, bright rose pink. Bishop Wood, scarlet, shading to vermilion. Bridal Bouquet, handsome double, pure white. Blond, delicate pink, splendid bloomer. Phallas, a rich apricot orange; fine. Cheerfulness, a flesh pink shaded rose; free bloomer; per doz. \$1; each..... 10

Gloxinias—Among the handsomest of our summer blooming green-house plants; our bulbs are of select varieties with beautiful large flowers. 50

Hoya, Carnosa—(Wax Plant)—The well known house climber, with thick fleshy leaves and curious waxy flowers, from which drop a sweet honey like juice; the blooms last a long time in perfection; it makes an excellent plant for a warm sitting room, as it grows well without direct light, standing the extremes of heat and cold better than most plants. 25

Hibiscus, Sinensis Fulgidus—The flowers are of a very large size, five inches in diameter and of an intense carmine scarlet, paler and somewhat rose tinted towards the base. 15

—**Rubra, fl. pl.**—A splendid double variety with large bright red flowers; blooms freely. 15

Heliotrope—General favorites on account of their delightful fragrance; no plant succeeds better for summer flowering, and they are also equally adapted for winter blooming, being constantly in bloom; no garden is complete without them.

—**Mad. Blonay**—The best, nearly pure white Heliotrope in cultivation, dwarf, very free bloomer. 10

—**President Garfield**—Has fine large trusses of deep purple flowers. 10

Hydrangea—Well known favorite plant with large heads of flowers; very desirable for bedding:

—**Hortensis**—Bright Pink. 15

—**Thos. Hogg**—Pure white. 15

—**Rosea**—A new hardy pink Hydrangea. 25

—**Paniculata Grandiflora**—We believe this to be the most desirable hardy shrub in cultivation; flowers white, borne in pyramidal trusses more than a foot long; it remains in flower two or three months; creates a great sensation wherever seen; it is sure to bloom finely the first season. 25

Ivy—English—No vine excels this. 15

—German—Grows very fast. 10

Impatiens Sultana—An everblooming plant of the Balsam family; fine for pots or bedding; bright crimson. 15

Jasmine Grandiflora—White, star-shaped flowers, very fragrant. 25

Lantanas—Nothing gives more constant bloom than these; ten varieties, each. 15

Lobelia—Among the most useful plants for hanging baskets, or for the front or outside row in ribbon lines. Their dwarf habit, and the profusion of their charming blue flowers, render them exceedingly ornamental. 10

Lopesia Rosea—(Mosquito Plant)—A beautiful plant of trailing or bushy habit, which is covered all winter with delicate pink flowers, resembling a mosquito. 10

—**Alba**—Like above, only white. 10

Maurandia—Produces an endless profusion of beautiful fox-glove-shaped flowers throughout the season; excellent for trellis work; flowers blue. 10

Myosotis Palustris—(Forget-Me-Not)—A hardy herbaceous plant, with light blue flowers in clusters; very pretty. 10

Marguerite Daisy—Single white. 10

—Double yellow, see Novelities.

Mountain Pink—(Grassulus)—A fine plant for basket or rockery; flowers bright pink, two inches in diameter. 10

Musk Plant—Flowers yellow. 10

Oleander—Double pink. 25

—Single White. 25

Oxalis—Fine pot or basket plant. 10

Pachona—Good basket plants; flowers bright yellow. 10

Petunia—We have all of the finest double fringed varieties; many colors. 15

Pansies, Choice Mixed. Per doz. 50c.

—Finest Mixed. Per doz. 75c.

—White and other colors separate. Per doz. 75c.

Pelargoniums—These are more commonly known as Lady Washington Geraniums. The flowers are large, with deep blotches on the upper petals, and bright spots on the lower;

they are very beautiful and ornamental either as pot plants or in the garden. 15

Passion Vine, Corulea—A rapid climber; hardy, requiring only slight protection in winter; flowers azure blue, produced freely throughout the summer. 15

—**Constance Elliott**—The new hardy white Passion Flower. A splendid climbing plant of great merit; now attracting great attention on account of its great beauty and desirability. See illustration on cover. 20

Primulas—(Chinese Primrose)—A class of plants of great value for the parlor or greenhouse; constantly in bloom. We offer this season a beautiful strain of the single varieties that will surely please. Pink and white, each. 25

Roses—No flower has attained such popularity the past few years as the Rose. Every year we increase our production, but the demand for good roses increases equally as fast, especially those kind which recommend themselves by vigorous growth, perfect form, profuse bloom, rich and distinct colors. The following are the best varieties: **Tea, Monthly, or Everblooming Roses**. The monthly roses are not quite so hardy as the Hybrid Perpetual, but bloom more profusely, and are good pot plants as well as good bedders; **Aurora**, beautiful rosy blush, changing to clear rose; very pretty, fragrant and desirable. **Cornelia Cook**, pure white; magnificent buds, perfect form. **Bon Siline**, rosy carmine, fine, fragrant. **Comtesse de Labarth**, delicate pink, shaded amber. **Catherine Mermet**, bright rosy pink, fine, free bloomer. **Louis Philippe**, rich dark crimson, splendid rose. **Etoile de Lyon**, clear yellow, fine for our door planting. **Duchess de Brabant**, soft, rosy flesh, changing to deep rose. **Hermosa**, a old fine rose; clear pink; consistent bloomer. **Agrippina**, fiery red, good size and form; profuse flowering. **Safrano**, beautiful saffron colored buds. **Sombrail**, creamy white, one of the best. **Perle des Jardins**, fine straw yellow, sometimes deep canary yellow; very large, full and of most perfect form. **Niphetos**, pure white. **Marie Guillot**, perfection in form; flower is large and double to the center. Until the introduction of the Bride, this held first place among white tea roses. **Malmaison**, a noble rose; the flower is extremely large, quartered and double to the center; color, flesh white, clear and fresh. For other varieties see Novelty sheet. Per doz. \$1. 10

Polyantha Roses—Often called Fairy Roses. They are quite dwarf, and are of the easiest cultivation; they bloom in clusters, and are valuable for cut flowers. **Mignonette**, delicate rose, intermingled with white. **Miniature**, very small flowers, white tinged with pink. **Perle d'Or**, a beautiful yellow variety of this much prized class of roses. Each. 15

Hardy Roses, Mad. Plantier, pure white, most hardy. **Gen. Washington**, bright rosy carmine, approaching scarlet free-bloomer. **Baltimore Belle**, pale bush, variegated carmine rose and white; very double; one of the best climbing roses grown, and very popular. **Greville or Seven Sisters**, flowers in large clusters; varies in color, white to crimson. **Prairie Queen**, clear, bright pink, sometimes with white stripe; large and fine. Each only. 25

Salvia—These rich and abundant flowering plants are indispensable in the autumnal garden:

—**Splendens**—Bright scarlet. **Alba**, white. **Mrs. Stevens**, maroon. **Patens**, intense blue. Each. 10

Stevia Serrata—A splendid winter-blooming plant, with very fine white flowers; produced in large clusters. 10

Saxifraga Sarmetosa—The well-known, much-used old basket plant, with long, strawberry-like runners. 10

Solanum Jasminoides—A good climbing plant, with clusters of pure white star-shaped flowers. 10

Smilax —Well known, handsome climber.	15
Torenia —An admirable basket plant with light blue flowers, heavily blotched with very dark blue; in shape like the Gloxinia.	15
Violets, Louise —Double purple.	15
Swanley White —Double.	15
Verbenas —One of the prettiest and most popular of all plants suitable for forming beds on the lawn. It commences to flower and spread from the first day the plants are set, until late in the autumn, every day becoming better and more handsome. A healthy plant will cover a space three feet in diameter. Our plants are grown with care, and are as robust as seedlings. Over 40 varieties. Per doz. 75c. each.	10
Vinca, Running Myrtle, Elegantissima —Foliage green, deeply margined with creamy white; blue flowers.	10
Harrisonii —Foliage marked with two shades of green; beautiful blue flowers.	10
Rosea, Alba and Oculata —Blooming the entire summer season, forming handsome shrubs two feet in height and diameter. The first is carmine or rose, the second pure white, and the third white with crimson center. Each.	10

BULBS FOR SPRING PLANTING.

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

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

Amaryllis, Formosissima —(Jacobean Lily)—Dark velvety crimson. Bulbs may be potted any time in spring; they bloom year after year; must not be allowed to freeze.	30
Caladium, Esculentum —A splendid tropical plant growing four or five feet with immense leaves beautifully veined and variegated with different shades of green. Very showy, leaves frequently growing three feet in length. Medium sized bulbs 15c; very large.	30
Canna —Beautiful foliage plants of very tropical appearance; growing from three to six feet high. In fall store in a dry cellar:—	
— Tall Red	15
— Bronze Foliage —Very handsome.	15
— Mixed Varieties and Colors —Contains a splendid assortment; per doz. \$1.10.	10
Dahlias —We have a large collection of these exceedingly showy and grand fall flowers, and can furnish almost any color desired. They comprise all the most gorgeous shades and colors imaginable; per doz. \$1.50.	15

GLADIOLUS.

We wish especially to call your attention to our list of Gladioli, the most desirable of all bulbs, and claimed by many well acquainted with their wonderful and varied beauty, to be the flower of all flowers. To have the immense spikes of bloom develop in the greatest perfection they should be cut when the first four flowers open; place them in water nearly up to the lower flower, and the



entire spike will develop into the greatest loveliness, lasting from a week to ten days.

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

We cannot too highly recommend our mixed Gladiolus, growing them on our own farm, and taking the premium on them in the floral exhibit at the Iowa State Fair of 1888. They have been carefully selected from choice varieties and embrace a truly magnificent variety of beautiful colors. Note our low prices:

— Red Varieties Mixed —Per doz. 40c.	5
— Light, White and Striped —Per doz. 75c.	10
— Choice Yellow Varieties, Mixed —Per doz. \$1.	10
— Extra Fine Mixed —Embracing all colors; per 100 \$2; per doz. 25c.	5
— Seedlings —A splendid assortment grown from the best hybrid mixed seed. There are sure to be a number of choice new varieties among these. Per 100, by express, \$2.50; per doz. 40c.	5
— Pure White	10
— Ceres —Pure white blotched purple rose.	15
— Arsinoe —Fine satiny rose, flamed with bright carmine.	15
— Brenchleyensis —Deep vermilion scarlet.	5
— Eugene Scribe —Light pink, glazed with carmine; flowers very large and perfect. This is one of the most beautiful of the Gladioli and cannot be praised too highly; all should try it.	10
— James Carter —Light orange red with white blotch.	15
— Le Poussin —Light red; large white throat.	15
— Meyerbeer —Rose scarlet, amaranth, red blotch.	25
— Napoleon III —Bright scarlet, white stripe.	15
— Princess of Wales —White, flaked with carmine rose.	10
— Shakespeare —Very large, beautiful flowers; white, slightly suffused with carmine rose, with large, violet crimson blotch.	20
— La Moine Seedling —This variety is a new French hybrid, of remarkable beauty, and is quite distinct from the older varieties. We consider them the cream of the Gladioli and would recommend all to try them. Per doz \$1.	10

BOUQUET COLLECTION GLADIOLUS.

(See first page of cover.) This collection is taken from named varieties (each bulb marked with its name), carefully selected for their perfect development, and contains 10 bulbs of the best varieties offered. No two of the flowers will be the same in color or marking, and the collection would make a beautiful center piece for a large flower bed. This collection amounts at list price to \$1.50, but we have decided to offer it at the extreme low price of \$1.

Mixed Named Varieties—The same as the above, except that the bulbs are not separately marked, and you may obtain two bulbs of the same variety; 10 bulbs for 75c.

Hyacinthus Candicans—Beautiful summer blooming plants, having large spikes of large flowers resembling the Hyacinth; per doz. 75c. 10

Maderia Vine—Ornamental climber of very rapid growth; thick, light-green, glossy leaves; the most elegant vine for out-door culture; keep roots in cellar over winter; per 100 by express, \$2.50; by mail, per doz. 40c. 5

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 six inch pots, one root in a pot:

Extra Large Double Dwarf Pearl—This is an extra choice selection of this variety, which is characterized by its short, robust stem and long spikes of large flowers, produced in great profusion, perfectly double; per doz. \$1. 10

Tall Double—Per doz. \$1. 10

Tigridias—A splendid summer flowering bulb, bearing large spotted flowers:

Red Spotted—Per doz. 50c. 5

Yellow Spotted—Per doz. 50c. 5

White Spotted—Very handsome. 10

Qxals—Quite pretty little flowers, suitable for hanging baskets, pot culture, or for use in bordering beds; half dozen at dozen rates:

Lasandra—Per doz. 20c.

Deppil—Per doz. 20c.

Lilies—The Lily is a favorite flower everywhere—a Queen of Flowers—and only the Rose can dispute its claim to queenly honor. With few exceptions Lilies succeed in our gardens finely:

Auratum—The Golden-rayed Queen—its immense blooms, produced in great profusion, are deliciously fragrant and very beautiful. 25

Candidum—Pure white, good for forcing. 20

Harrisii—The new perpetual White Lily. 25

Rubrum—Rose, spotted crimson. 25

Tigrinum—Common Tiger Lily. 10

Speciosa Album—Large, pure white flowers on full, well rounded spikes. A most beautiful Lily; attracted great attention and ad-

miration on our seed farm the past season. Is sold at very high prices by Eastern growers. One each of the above six Lilies for \$1.

WINTER BLOOMING BULBS.



Some of the most beautiful and fragrant of all the flowers grown belong to this class, and when potted in the house they come in bloom just at the time when flowers are most wanted and most difficult to obtain. There is nothing prettier or more desirable than a window garden nicely arranged with these, and they will attract more attention than anything else with which it could be filled.

Our bulbs, which are grown by one of the best bulb growers in Holland, arrive in this country about September 15, and we usually have a good assortment

of them for about two months. The best way is to order during the spring or summer; then your orders will be filled as soon as bulbs are received. All bulbs are large and strong, and are sent by mail prepaid on receipt of price.

Hyacinths—Of all the bulbous flowers, the Hyacinth is the most beautiful and popular. It is cultivated and highly prized in every northern country in the world. They may be successfully grown in the garden or for house culture in pots or glasses. Either double or single of any of the following colors:

Pure White, Rose, Red and Blue—Per doz. \$1.25. 15

Double or Single Yellow—Per doz. \$2. 20

Double or Single Mixed Colors—Per doz. \$1. 10

Roman Hyacinths—Earliest of all, will bloom by holidays; produces three to seven flower stalks; per doz. \$1. 10

Tulips—Nothing can excel these for early spring blooming in the open ground. Can furnish separate colors when desired:

Extra Choice Mixed Colors—Per doz. 60c. 8

Good Mixed Colors—Per doz. 40c. 5

Parrot, Mixed Colors—Beautifully fringed varieties; per doz. 40c. 5

Crocus—All Colors Mixed—Per 100, \$1.00; 3

doz. 15c. 5

Narcissus, Mixed Colors—Per doz. \$1.25. 15

Poeticus—Per doz. 50c. 5

Paper White—Per doz. \$1.25. 15

Lilium Candidum—Per doz. \$2. 20

Lily of the Valley—Per doz. \$1. 10

Snowdrop—Double—Per doz. 50c. 5

Single—Per doz. 35c. 5

Maderia Vine—Per doz. 40c. 5

VALUABLE AGRICULTURAL BOOKS.

It will pay you to read some of the following Agricultural Books, which are written by practical men. Sent postpaid on receipt of price.

Asparagus Culture.....Flex Cloth.. 50

Barry's Fruit Garden. New and Revised Ed. 2 00

Brill's Farm-Gardening and Seed-Growing...1 00

Farming for Boys.....1 25

Farming for Profit.....3 75

Fitz's Sweet Potato Culture.....60

Fuller's Practical Forestry.....1 50

Henderson's Gardening for Pleasure.....2 00

Henderson's Gardening for Profit.....2 00

Henderson & Crozier's How the Farm Pays.....2 50

Onions—How to raise them Profitably.....20

Our Farm of Four Acres.....Paper.. 30

Quinn's Money in the Garden.....1 50

Riley's Potato Pests.....Paper.. 50

Roe's Play and Profit in My Garden.....1 50

Roosevelt's Five Acres Too Much.....1 50

Silos and Ensilage.....50

Tobacco Culture. By fourteen experienced cultivators.....25

Every Woman her Own Flower Gardener.....1 00

Fern Book for Everybody.....50

Fuller's Grape Culturist.....1 50

Fuller's Illustrated Strawberry Culturist.....25

Fuller's The Propagation of Plants.....1 50

Heinrich's Window Flower Garden.....75

Henderson's Hand Book of Plants.....3 00

Henderson's Practical Floriculture.....1 50

Rixford's Wine Press and Cellar.....1 50

Stewart's Sorghum and its Products.....1 50

Thomas's American Fruit Culturist. New Ed. 2 00

Williams' Orchid Grower's Manual.....60

The Horse: Its varieties and management.....75

Cattle: Varieties, breeding and management.....75

The Sheep: Its varieties and management.....75

The Dog: Its varieties and management.....50

Harris on the Pig.....1 50

Keeping one Cow. New and Revised Edition. 1 00

Root's A B C of Bee Culture.....1 25

Stoddard's An Egg Farm. Revised and Enlgrd. 50

Complete Text Book on Silk Culture, containing all the information and instruction necessary for a person to know in order to succeed in this business; fully illustrated; price is 25c; but by purchasing a large number we are enabled to offer them to our customers at only 15c each.

MISCELLANEOUS FARM SEEDS.

CHOICE RECLEANED GRASS SEEDS, ETC.

We desire to call the especial attention of the farmers of Iowa and the Northwest to our superior facilities for supplying them with Blue Grass, Timothy, Clover, etc., of the best quality. This branch of our trade has made a remarkable growth, which we attribute to our great care and close attention to the handling of farm seeds. Where we used to handle grass seed by the bag only, we now buy and sell by the car load. With improved machinery for cleaning, together with the shipping facilities of our city, which are unequalled by any other point in Iowa, we are confident it will be greatly to your advantage to send us your orders for what you may need, be it a large or small quantity. We will take pleasure in quoting special prices on larger quantities than listed below, or giving any information that we are able to.

SHIPPING.

In this department everything which is quoted by the packet or pound is sent by mail *postpaid*; all larger quantities, unless specially noted, are sent by express or freight, at the expense of the purchaser. No extra charge for bags or delivering at depots. The prices quoted by the bushel are subject to any important change in the market without notice. But if price goes lower than that quoted, persons ordering will be given the benefit of it.

CLOVER SEEDS

The soils best adapted to Clover are tenacious or stiff loams. It is a fertilizer, as its long powerful tap roots loosen the soil, admit air, and when the roots decay, add largely to the black mass of earth. It helps destroy annual weeds by the luxuriant foliage, and by shading the surface of the soil, increases its fertility. It weighs sixty pounds to the bushel:

Mammoth, or Large Red—Grows five or six feet high. Sow twelve or fifteen pounds per acre; per lb. 30c; 3 lbs. 75c; pk. \$2; bu. \$7.

Medium Red or June—Grown for hay or for pasture. Sow twelve to fifteen pounds per acre; per lb. 30; 3 lbs. 75c; pk. \$2; bu. \$7.

Alsike, or Swedish—Withstands the rigors of our cold winters without injury; a wonderful cropper, being less injured by extremes of wet and dry seasons than any of the clovers. Sow seven pounds per acre; per lb. 40; 3 lbs. \$1; pk. \$2.50; bu. \$9.

White Dutch—Sow six pounds per acre; per lb. 40c; 3 lbs. \$1; pk. \$2.75; bu. \$10.

Alfalfa, or Lucerne—For loose, rich soils with porous subsoils, there is probably no forage plant equal to this. Its roots penetrate very deep, in some cases as much as fifteen feet, thus enabling it to produce heavy crops where all other grasses dry out entirely. Sow fifteen to twenty pounds per acre; per lb. 40c; 3 lbs. \$1; pk. \$2.75; bu. \$10.50.

GRASS SEEDS.

Timothy—As a crop to cut for hay, this is probably unsurpassed by any grass in cultivation. Twelve pounds per acre; weighs 45 pounds per bushel; per lb. 25c; 3 lbs. 60c; pk. 75c; bu. \$2.25.

Orchard Grass, or Cock's Foot—One of the most valuable of pasture grasses, on account of its quick growth and luxuriant aftermath. It is ready for grazing in the spring two weeks sooner than most grasses, and when fed off is again ready for grazing in a week. It stands a severe drouth, keeping green when other grasses wither, and will endure considerable shade. Sow one bushel per acre; weighs 14 pounds per bushel; per lb. 50c; 3 lbs. \$1.50; pk. 75c; bu. \$2.25.

Red Top—Makes a good pasture when fed close. Sow in the spring or fall; one bushel per acre; weighs 14 pounds per bushel; per lb. 25c; 3 lbs. 70c; pk. 50c; bu. \$1.25.

Kentucky Blue Grass—Two bushels of extra clean, or one bushel of fancy clean seed should be sown per acre. It forms the finest and closest of lawns; for this purpose an extra quantity of seed should be used; say four to six bushels per acre; 14 pounds per bushel:

—**Fancy Clean Seed**—Per lb. 40c; 3 lbs. \$1; pk. 50c; bu. \$1.75.

—**Extra Clean Seed**—Per lb. 30c; 3 lbs. 75c; pk. 40c; bu. \$1.50.

English Blue Grass, or Meadow Fescue—More robust than Kentucky Blue Grass, produces more pasturage, and stands the heat of summer well; makes excellent hay. Sow in spring or fall; one bushel per acre; weighs 24 pounds per bushel; per lb. 40c; 3 lbs. \$1; pk. \$1.25; bu. \$4.

Perennial Rye Grass—A very valuable variety for permanent pasture, and makes a large return in hay; very nutritious. Succeeds best in moderately moist land, for which it is peculiarly adapted. Per lb. 40c; 3 lbs. \$1; pk. 75c; bu. \$2.25.

Crested Dogstail—One of the finest of lawn grasses; valuable on dry, hard soils and hills for pasturage; twenty pounds per acre; 18 pounds per bushel; per lb. \$1; pk. \$2; bu. \$7.

Sweet Vernal Grass—One of the earliest in spring, as well as the latest in autumn; mixed with other grasses it is valuable for lawns, exhaling a delightful fragrance when in bloom; per lb. 65c; 3 lbs. \$1.50.

Tall Fescue—(*Festuca elatior*)—Root fibrous, somewhat creeping; perennial; flowers in June and July. It thrives well on moist soils, and yields abundant crops. Cattle and stock eat it greedily; per lb. 40c; 3 lbs. \$1; pk. \$1.75; bu. \$6.

Hard Fescue—(*Festuca duriuscula*)—Is found in all the finest permanent pastures in the country. It resists the summer drought, and develops remarkable verdure during winter. It should form a part of every mixture for lawn or pleasure grounds, and for permanent pasture and alternate husbandry; per lb. 25c; 3 lbs. 70c; pk. \$1.50; bu. \$5.50.

Meadow Foxtail—Roots fibrous, perennial, flowers in May. This is one of the best grasses for permanent pastures, and should always form a fair proportion of the mixtures for that purpose, because of its extremely rapid growth and nutritive qualities; per lb. 50c; 3 lbs. \$1.25; pk. 55c; bu. \$3.

Rough Stalked Meadow Grass—Root fibrous, perennial. This grass is valuable on account of its quick growth, productiveness and nutritive qualities. Grows in perfection on moist, rich soils, and is also well adapted to ground shaded by trees; per lb. 30c; 3 lbs. 75c; pk. \$1.50; bu. \$5.50.

Common Millet—Especially valuable for cattle; 48 pounds per bushel; one bushel per acre; per lb. 20c; pk. 50c; bu. \$1.25.

German, or Golden Millet—For hay it should be cut as soon as well headed; 48 lbs. per bu.; one bu. per acre; per lb. 25c; pk. 50c; bu. \$1.50.

Hungarian Grass—48 lbs. per bu.; one bu. per acre; per lb. 25c; pk. 50c; bu. \$1.50.

Johnson Grass—A perennial grass belonging to the sorghum family, a rapid grower, very nutritious both for hay and grazing, comes very early in the spring and will grow till cut down.

by frost. Two or three crops can be cut in a season. Sow one bu. per acre; per lb. 50c; 3 lbs. \$1.25; pk. \$1.50; bu. \$5.

Teosinte—(*Reana Luxurians*)—A Central American forage plant in leaf and stalk somewhat resembles corn, leaves longer and broader. It stools like oats, and is very sweet and nutritious; per pkt. 10c; oz. 25c; ¼ lb. 75c; lb. \$2.

Durra, or **Sorghum Vulgare**—It is a valuable forage plant, growing from eight to ten

feet in height and yielding an abundance of grayish-green foliage, greatly relished by stock. It is frequently grown for grain for poultry and yields largely; per lb. 25c.

Kaffir Corn—An excellent fodder plant, yielding two crops of fodder during a season. Grows four to five feet high, upright stalk, with numerous large leaves. Greatly relished by cattle and horses; per pound, 25 cents; by express or freight per peck \$1.50; per bushel \$5.

SEED CORN.

The value of the corn crop in Iowa alone would be increased two million dollars by an average increase of one bushel per acre, and it has been demonstrated that five to seven bushels can be added to the average crop by planting the improved kinds—while in many cases the crop can be nearly doubled. The necessity of planting the very best varieties is plain.

All seed corn are very carefully tested, and none sent out which we are not certain will grow well. Samples mailed when desired.

THE PROFIT—This corn, which was first introduced by us, is the result of cross-fertilization and over ten years of the most careful culture in Iowa. In this way we have succeeded in fixing a type superior to any variety with which we are acquainted, and we believe the most profitable for the farmer—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; 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 diversified, making it particularly striking in appearance. The great feature of this corn is its heavy ear, it has 18 to 22 rows of very deep grains, packed in so closely as to have the appearance of having been driven in. The cob is very small in proportion to the size of the ear. We believe we have been fully sustained in our claim that the Profit will produce more bushels of shelled corn per acre under like conditions than any corn yet introduced. It will pay every farmer to give this a trial; per lb. 30c; 3 lbs. 75c; pk. 80c; bu. \$2.50.

PREMIUM WHITE FIELD—INTRODUCED BY IOWA SEED CO. IN 1889—This is undoubtedly the best variety of white field corn we have ever grown, and our field of corn grown for seed this year surpassed all corn fields in this vicinity in size, quality and yield per acre. We obtained the first premium on this corn last fall at the Iowa State Fair over a great number of competitors, and the farmers of Iowa will appreciate the fact that a premium on corn at the Iowa State Fair is no empty honor. The white corns are rapidly coming to the front, and introducing this new corn to our customers we feel that a few years will find it at the very head of the list of good corn. It is a rank grower, producing two ears to the stalk; ears from 10 to 12 inches long, very large grains, with 14 to 18 rows on each ear; ripens medium early, our specimen at the fair of 1888 being more nearly ripe than any white corn shown. It is a beautiful, clear white, and will undoubtedly take rank as one of the very best milling corns. If you want the best white corn try the Premium White Field; per lb. 30c; 3 lbs. 75c; pk. 80c; bu. \$2.25.

Pride of the North—This new variety has been grown and improved in the extreme northern part of Iowa, and is the earliest yellow dent corn we know of. The ears are eight to ten inches long, with small cob and deep kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange and very uniform. Matures in this latitude when planted in June; per lb. 30c; 3 lbs. 75c; pk. 80c; bu. \$1.50.

Leaming—The Leaming in character is somewhat of a Dent variety; ears are of good size,



set low down, and nearly always two good ears to each stalk. Small red cob, with a medium deep long grain, of a rich golden color. The Leaming has produced in this section some of the largest and handsomest crops we have ever seen; per lb. 30c; 3 lbs. 75c; pk. 50c; bu. \$1.50.

Angel of Midnight—The *Rural New Yorker* says of this corn: "Begins to ripen August 5th, and is the earliest we have ever tried. Longest ears 14 inches, 8 rows, over 60 kernels in a row. Kernels large, broad, yellow, flat. Plants 6 feet high only; large at bottom, slender top, ears low, often two large ears to a stalk; stalk small, shanks long, cob small. This will certainly ripen, judging by this season, any where that corn will ripen; per lb. 30c; 3 lbs. 75c; pk. 75c; bu. \$2.50.

Compton's Extra Early Flint—The earliest known yellow field variety, ripening in 76 to 85 days. Handsome 10 to 12 rowed yellow variety; very productive; will ripen planted as late as the first of July; lb 30c; 3 lbs. 75c; pk. 75c; bu. \$2.00.

Champion White Pearl—An early medium sized, pure white, deep grained, small white cob corn, especially adapted for milling; per lb. 30c; 3 lbs. 75c; pk. 65c; bu. \$2.00.

Sweet Corn for Fodder—Especially valuable for feeding hogs and milch cows; commence feeding as soon as it will do for roasting ears, and continue till the corn becomes too dry, which will not be till winter sets in. For milch cows it should be cut and wilted from twelve to twenty-four hours before feeding; per pk. 65c; bu. \$2.15.

Pop Corn—See page 30 of vegetable list.

BROOM CORN.

Our broom corn seed is all saved from carefully selected hurl brush. Price given is per measured bushel. Please remember this in ordering, as a bushel according to the legal weight of Iowa equals only about two-thirds of a bushel by measure.

Wilson's Improved Evergreen—Grows about eight to ten feet high, stands up well, and is entirely free from crooked brush; the fibre is long and fine. Its greatest value to growers is in the fact that it will not get red in the field before it is cut, but is strictly a green variety of brush and will always command the highest price; per lb. 40c; 3 lbs. \$1; pk. 75c; bu. \$2.50.

Japanese Evergreen—Mr. A. L. Doud, of Van Buren county, writes us that his crop of this NEW VARIETY was the finest he ever grew, brush fine, even, good color and of the very best quality; per lb. 40c; 3 lbs. \$1; pk. \$1; bu. \$3.

Black Spanish—Grows six to eight feet high, with long, fine, straight brush of a light green color; per lb. 40c; 3 lbs. \$1; pk. 75c; bu. \$1.75.

Tall Evergreen—A standard variety, brush green; per lb. 35c; 3 lbs. \$1; pk. 65c; bu. \$1.50.

Dwarf Evergreen—Similar to the tall except in height; per lb. 35c; 3 lbs. \$1; pk. 65c; bu. \$1.75.

California Golden—Long brush, which, when ripe, is a bright golden yellow color, straight and handsome; per lb. 40c; 3 lbs. \$1; pk. 75c; bu. \$1.75.

FARM GRAIN, ETC.

Welcome Oats—This new oat has produced some enormous yields, and it is by all odds the heaviest, handsomest and most productive variety we know of, weighing from 48 to 50 pounds per measured bushel. They stood heavily with extra strong, straight straw, standing well. Succeeding in a wide range of climate and under a great variety of soils and methods of culture; our stock of seed is selected, heavy oats, and cannot be surpassed for quality; per lb. 35c; 3 lbs. 90c; pk. 60c; bu. \$1.50; 10 bu. \$11.

Improved Saskatchewan Fife Wheat—The yield of this splendid new spring wheat is simply extraordinary, in many cases doubling the general average. Read what the Milling Kings of the world say about it: From Charles A. Pillsbury, of the Pillsbury Flouring Mills, (daily capacity, 7,500 bbls., requiring 36,000 bushels of wheat.) "I consider it the best and purest Fife wheat to-day in the northwest. No such milling wheat has been received at our mills since we have been in the milling business." From Washburn, Crosby & Co., proprietors of the Washburn Mills, (daily capacity, 4,000 bbls., requiring 20,000 bushels of wheat.) "After a careful inspection of the Saskatchewan Fife wheat as they have been exhibited to us, we are convinced that this is a vastly superior wheat to any now in the market. It is remarkable for its purity and also for its excellent milling properties. We are glad to add our endorsement to that of the universal opinion among millers here as to its value;" per lb. 25c; 3 lbs. 60c; pk. 65c; bu. \$2.00.

Rye—Well known as a forage crop; per pk. 75c; bu. \$2.

Highland Chief Barley—A new and distinct two-rowed variety. It is very robust; a vigorous grower, and the size of the grain when compared with any other variety is immense. It is less liable to be damaged by wet than other kinds, inasmuch as it is more closely covered with awns or spikelets; yielding from 50 to 60 bushels per acre, and usually weighing over 60 pounds to the measured bushel. A half bushel taken from our stock of seed obtained first premium at the Iowa State Fair in 1888. Nearly all who have experimented with the two, four and six-rowed varieties know that the two-rowed, for this climate, is far preferable. It yields better and stand longer after it is fit to cut; per lb. 30c; 3 lbs. 75c; pk. 75c; bu. \$2.50.

European Silver Hull Buckwheat—This extraordinary variety originated abroad; is a very great improvement upon the black or gray Buckwheat. Sown the same as the common Buckwheat; it continues to bloom longer, matures a few days sooner, and yields nearly or quite double under the same conditions. The grain is of a beautiful light silvery grey color, varying slightly in shade, and the corners are much less prominent than in the ordinary variety, while the husk is thinner, thereby saving from fifteen to twenty per cent waste in the process of manufacturing into flour, which is whiter and more nutritious; per lb. 40c; 3 lbs. \$1; pk. 75c; bu. \$2.

Common Buckwheat—(Selected)—Peck 50c; bu. \$1.40.

Early Minnesota Amber Sugar Cane—This popular variety has very nearly taken the place of all other sorts. It is the earliest and makes the finest quality of amber syrup, and also makes good sugar; succeeds well both north and south; per lb. 30c; 3 lbs. 75c; 10 lbs. or more by express or freight, 10c per lb.

Orange Sugar Cane—From 8 to 10 days later than the Amber, but growing somewhat larger and yielding a better quality of syrup; per lb. 30c; 3 lbs. 75c; ten pounds or more by express or freight at 10c per lb.

Seed Flax—It will pay farmers to buy their flax seed and quit the process of raising it under contract for the mills. It is a quick crop to grow and always finds ready sale at a fair price; per pk. 65c; bu. \$2.25.

Beans—Navy—Per pk. 90c; bu. \$3.

Beans—California Branch, or Tree—See

description on page 22 of vegetable list; pk. \$1.25; bu. \$4.50.

Field Peas—Valuable for feeding:

—White—Per pk. 75c; bu. \$2.50.

—Blue—Per pk. 75c; bu. \$2.50.

Mammoth Russian Sunflower—The largest of all Sunflowers. This is without doubt one of the best paying crops that can be raised. The seed makes the best of food for poultry, and can be raised at a very trifling expense (about one-third the cost of corn), and the stalks, which grow very large, make excellent firewood. It is also said to afford protection against malaria.

We offer it at a low price this year to induce our customers to try it, as we believe no one who tries it once will ever be without it. Try a pound and see what great results may be obtained; per lb. 25c; 3 lbs. 65c; by express, ten lbs. or more, at 10c per lb.

Common Sunflower—Postpaid, lb. 25c; 3 lbs. 65c.

BIRD SEEDS.

Fresh re-cleaned seed. Old or musty seed is injurious to birds. If ordered sent by mail, add for postage ten cents per pound for seed:

Mixed Bird Seed—Per lb. 10c; 3 lbs. 25c.

Canary Seed—Per lb. 10c; 3 lbs. 25c.

Hemp Seed—Per lb. 10c; 3 lbs. 25c.

Rape Seed—Per lb. 10c; 3 lbs. 25c.

Maw Seed—Per lb. 25c; 3 lbs. 75c.

Millet Seed—Per lb. 10c; 3 lbs. 25c.

Millet, White French—Per lb. 20c; 3 lbs. 50c.

Cuttle Fish Bone—Per oz. 10c; lb. 75c.

SEEDS OF HONEY PLANTS.

Each year the demand increases for seed of Honey Plants, proving conclusively that it pays to grow them for that purpose.

The following list includes all the principal varieties. Prices by the pound include postage:

Borage—Per oz. 15c; lb. \$1.25.

Buckwheat—Per pk. 50c; bu. \$1.40.

Clover, Honey or Bee—In its flowering season it is literally covered with bees; should be sown by every bee-keeper; sow eight to ten lbs. per acre; per lb. 50c.

—**Alsike**—Besides being one of the best for hay, it is very desirable for bees, producing an abundance of honey of the very best quality; per lb. 40c; 3 lbs. \$1; pk. \$2.50; bu. \$9.

—**Bokhara**—One of the best of honey plants; also a good forage plant and an excellent soiler; lb. 50c.

—**White**—Per lb. 40c; 3 lbs. \$1; pk. \$2.75; bu. \$10.

Dandelion—Per oz. 40c; ¼ lb. \$1.25.

Mignonette, Sweet—Per oz. 15c; lb. \$1.75.

Mustard, White—Per lb. 40c.

English Rape—Per oz. 10c; lb. 40c.

Sunflower, Common—Per lb. 25c; 3 lbs. 65c.

—**Mammoth Russian**—Per lb. 25c; 3 lbs. 65c.

Seven Top Turnip—Oz. 10c; ¼ lb. 25c; lb. 75c.

TREE AND HEDGE SEEDS.

As tree seedlings make but small growth the first season, it is best to plant in rows or beds and transplant to permanent places at one or two years old. Nut bearing trees are an exception to this rule. In the latitude of northern Iowa and north of it, it is well to protect the first winter with straw or hay. In planting groves, plant several varieties, as they seem to grow more rapidly.

POSTAGE PREPAID AT PRICES NAMED.

Alder, European—A rapid grower, especially in rich, damp soils; per oz. 10c; ¼ lb. 35c; lb. \$1.25.

Ash, American White—A very valuable timber; easily grown from seed, transplants with safety and grows very rapidly; per oz. 10c; ¼ lb. 25c; lb. 65c; 10 pounds or more, not prepaid, at 40c, per lb.

Arbor Vite, American—Hardy evergreen; per pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$3.

Beech, European—Hardy, well adapted for high, gravelly soils; per oz. 10c; ¼ lb. 30c; lb. \$1.

Box Elder—Makes a handsome shade tree, also good wind brake, as it is a rapid grower. Stands

- dry weather extremely well; per oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 60c; 10 pounds or more, not prepaid, at 35c per lb.
- Catalpa Speciosa, or Hardy Catalpa**—This is perhaps the most valuable tree on the list for our western prairies. Grows from seed almost as readily as corn. Cover one-half inch; per oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.25; 10 pounds or more, not prepaid, at \$1 per lb.
- Elm, European**—A beautiful tree for lawns and streets; a rapid grower; per oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.
- Locust, Honey**—Used largely for hedges; $\frac{1}{4}$ lb. 20c; lb. 50c; 10 pounds or over, not prepaid, at 35c per lb.
- Locust, Black**—Of rapid growth and succeeds well in most localities; $\frac{1}{4}$ lb. 20c; lb. 50c; 10 pounds or more, not prepaid, at 35c per lb.
- Lime, or Linden**—Soft wood, of very rapid growth; per oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.
- Maple, Sugar**—A beautiful shade tree in open situations; per oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.10.
- Maple, Soft**—This is being extensively planted in forests, groves and timber belts on account of its rapid growth. Seed ready about June 1st, and should be planted within two or three weeks; per $\frac{1}{4}$ lb. 20c; lb. 50c; bu. \$2.50.
- Mulberry, Russian**—Indispensable in silk culture in the north. Easily grown from seed. Its rapid growth, beautiful form and foliage and more than all the excellence of its timber and fruit, produced in abundance after the third year, makes it an extremely valuable tree for the northwest; per pkt. 10c; oz. 50c; $\frac{1}{4}$ lb. \$1.50; lb. \$3.
- Osage Orange**—Makes a handsome and durable hedge and is altogether the best plant grown for this purpose; per lb. 50c; 3 lbs. \$1.25; pk. \$1.75; bu. \$6.
- Plane, or Sycamore**—One of our native trees, and attains on some of the rich river bottoms, an enormous size; per oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.
- Pine, Austrian**—Perfectly hardy and a rapid grower; per oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.50.
- Pine, Scotch**—Very desirable for timber belts; per oz. 25c; $\frac{1}{4}$ lb. 85c; lb. \$2.50.
- Pine, White**—Per oz. 35c; $\frac{1}{4}$ lb. \$1; lb. \$3.50.
- Spruce, Hemlock**—A very handsome evergreen of rapid growth; oz. 50c; $\frac{1}{4}$ lb. \$1.50.
- Spruce, Norway**—A foreign variety. Valuable for timber belts or for lawns; per oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25.
- Tree of Heaven**—Introduced from Japan. It has become quite popular in some localities on account of its rapid growth and tropical appearance. Hardy on our prairies; per oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.
- Osage Hedge Plants**—Our stock was grown on our own farm and are extra choice. Note the low price at which we offer them. Packed, per 1,000, \$1.50; 10,000, \$12.50. Write for prices on larger quantities.

CHOICE SEED POTATOES.

"Let us raise two potatoes where we now raise one."
"What ye sow, that shall ye also reap."

We make a specialty of choice seed potatoes growing all we offer on our own farms, and are each year tested many of the new varieties that are offered, carefully comparing them with the older sorts, and those which have particular merit we lose no time in offering to our customers.

Remarkable improvements have been made in the potato during the past few years and several new varieties of great merit have been brought out, and every gardener and farmer is standing in his own light who refuses or neglects to test them. Buy a small quantity this year of each of a few of the leading sorts, and not only will you find the quality better than the old kinds, but the yield will be greatly increased.

Of the many new varieties of potatoes that are offered to the public, we have selected for this list only a few of the very best new varieties and a few of the old standard sorts, whose merits are well known, believing it better to offer our customers only these kinds, than to present to them a long, confusing list to make selections from.

Use plenty of seed. The average yield for three years of whole potatoes planted at the Ohio Experimental Station was 216 bushels per acre, that from single eye pieces 130 bushels per acre.

The Concave and Curved Seed Potato Knife. Is thin and right shape to cut 1, 2 and 3 eye pieces fast, and not crack the tuber or injure the germs. Price 35 cents each, postpaid.

All of the following varieties will be found worthy of a place in any garden. At the pound price we will send them by mail prepaid; at the peck or bushel rate, they are to be sent by express or freight at expense of purchaser.



Early Iowa Beauty—(See illustration on outside cover of our catalogue)—NAMED AND INTRODUCED BY IOWA SEED CO.—Now offered for the first time. This is the handsomest and best early potato we have ever seen. Took two first premiums at the Iowa State Fair in 1887, as the best new potato and the best early potato, although not yet named, and again secured the premium in 1888. In a number of tests it has proven to be earlier than the Early Ohio and has in every case proven itself a better yielder and of better quality. It is an Iowa seedling originated by one of the leading gardeners of Muscatine Island; tubers medium to large, growing very compactly in hill; color white, slightly tinged with russet; shape oblong oval, somewhat flattened, very rarely pronged, never hollow; eyes shallow, slightly sunken at seed end, but the potato is very smooth. Vine a hardy, vigorous grower, shading the ground well. Rev. Frank R. Holcomb, of Mt. Pleasant, says of it: "I firmly believe this new seedling potato to be ten days earlier than the Early Ohio; fully its equal in table qualities, and twice as large a cropper as that variety with the same cultivation," and our experience last season fully corroborates the above statement. We fully believe that those who try the Early Iowa Beauty will agree with us that it is the very best early potato in existence. While we control every pound of these potatoes in existence we have put the price lower than any new potato has ever been offered for, so that all could afford to try it. Per lb., by mail, 40c; by express or freight, per pk., \$1; bu. \$3; bbl. \$6.

Henry County, Iowa, Oct. 23, 1888.

The Early Iowa Beauty is in my judgment a first class potato in every respect. Planted them May 4; Early Rose and Early Ohio same day. The Iowa Beauty bloomed ten days ahead of the others.

JOHN CUTBIRTH.

Madison, Ohio, Nov. 25, 1888.

From four and one-sixth ounces of seed of the Early Iowa Beauty, sent me for trial, I have dug 35 pounds of fine, large potatoes.

WM. E. FULLER.

Fullerton, Cal., Nov. 16, 1888.

I received three potatoes of the Iowa Beauty variety by mail, and planted them on the 9th day of April. They blossomed in five weeks; were dug the middle of June, and yielded thirty pounds of nice potatoes. These results have been attained without rain or irrigation after planting.

A. McDERMONT.

Henry County, Iowa, Dec. 5, 1888.

I have seen and tested the new seedling potato called the Early Iowa Beauty. It is at least from ten days to two weeks earlier than the Early Ohio; a much handsomer potato, more prolific, and of very fine quality. Market gardeners and farmers cannot afford to be without it.

O. R. SENSIBAUGH.

NEW EYELESS—(See illustration on cover of Catalogue)—INTRODUCED BY IOWA SEED CO. IN 1889—Was originated in 1884 by John Kurtzweil, of Madison county, Iowa, from seed taken from Wall's Orange, fertilized by Mammoth Pearl. Out of a large plat of seedlings some fifteen varieties were selected, all of which were discarded the third year excepting the Eyeless. In color it is white, slightly russeted; shape, oval, somewhat flattened; perfectly smooth, with very few eyes; the scarcity of eyes suggesting the name, and giving the potato a peculiar appearance. It is fine grained and mealy, and is, by all odds, the best baking potato on the list. Strong, vigorous vine, dark colored with purple blossom, and is the nearest bug proof of any variety we have ever tested. Tubers grow compactly in the hill, medium to large in size, quality unexcelled, always cooking evenly throughout; per lb., by mail, 40c; by express or freight per pk. \$1.00.

Early White Beauty of Hebron—(See illustration on back cover of Catalogue)—INTRODUCED BY IOWA SEED CO. IN 1889—The above is a sport of Thorburn's Beauty of Hebron, and retains the shape and good qualities of its parent, but in color it is entirely different, being a clear, pure white. It is one of the handsomest potatoes we have ever seen. It becomes fit for use earlier than the Beauty of Hebron, and is more uniform in size. It is very dry and mealy and a splendid keeper, and is the best potato for late spring and early summer use, as it does not become watery, like other sorts. Mr. Kurtzweil, of Greenfield, says of it: "It is the best yielder, the best keeper, sells the best (especially as an extra early) on account of it being pure white and remarkably dry, and gives the best satisfaction to my customers the year round. So convinced am I of its superiority that I grow it for my main crop of potatoes, both for early and late." Be sure and try the White Beauty of Hebron; per lb., by mail, 35c; by express or freight, per pk., 75c; per bu. \$2.50; per bbl. \$5.50. One pound each of the above three varieties by mail postpaid for \$1.

New Wide Awake—A NOVELTY OF 1888. INTRODUCED BY THE IOWA SEED CO. As early if not earlier than the Early Maine, which makes it specially desirable for market gardeners. They are smooth, of oblong shape, somewhat flattened; dry weather does not seem to affect them as much as most other kinds; per lb. 25c; by express or freight, per pk. 50c; bu. \$1.50; per bbl. \$3.50.

Early Ohio—Tubers medium size and very even; color nearly white, tinged with purple; oval form; flesh pure white, unusually fine quality. Matures at least ten days in advance of the Early Rose and keeps till July if wanted. We have an exceptionally choice stock of these this year, having grown them on our farm, and can answer for their purity. Note the low price: per lb. 25c; per pk. 40c; bu. \$1; bbl. \$2.50; 10 bu. or more at 80c per bu.

Early Gem—This is the earliest variety we have ever grown, with the exception of our Early Iowa Beauty. It is medium size, oval, oblong in form, very smooth, the eyes being shallow and few in number, very light pink or flesh color, flesh white, fine grained and of excellent quality, cooks very mealy. Is an excellent yielder and

bids fair to take the lead among early potatoes; per lb. 25c; by freight or express, per pk. 50c; bu. \$1.50; bbl. \$3.50.

Pearl of Savoy—This new variety is a cross of Clark's No. 1 and Extra Early Vermont. Quite as early as the Early Rose, very productive, the vines being very vigorous in growth. The tubers are oblong, fair size, the flesh is nearly white and very mealy; per lb. 25c; by express or freight per pk. 40c; bu. \$1.25; bbl. \$3.

Early Amber—A splendid early potato for second early. About ten days later than the Early Ohio, coming in about the same time as the Beauty of Hebron, but is a much better yielder. The tubers are of good size, white, slightly tinged with purple, oblong and of excellent quality. This will be found an exceeding useful potato for the market gardener; per lb. 25c; by express or freight, per pk. 50c; bu. \$1.50; bbl. \$3.50.

Beauty of Hebron, Early—Ten days earlier than the Early Rose; yields well, tubers lying very close together in the hill. Its mealy qualities and rich delicate flavor are the highest recommends; per lb. 25c; by express or freight, per pk. 40c; bu. \$1.25; bbl. \$3.

Clark's No. 1—This variety reminds us of the Early Rose in its palmy days, which it very closely resembles, is a much better cropper, ripens about the same time, cooks mealy, flavor excellent; per lb. 25c; by express or freight; per pk. 40c; bu. \$1.25; bbl. \$3.

Vick's White Rose—A new variety possessing all the qualities of the Early Rose except color. One of the best for either home use or the market. Tubers grow compactly in hill and do not need "hilling up" to keep them in the ground deep enough to prevent sunburning; per lb. 25c; by express or freight, per pk. 40c; bu. \$1.25; bbl. \$3.

Early Rose—Old standard early sort; per lb. 25c; by express or freight, per pk. 40c; bu. \$1.25; bbl. \$3.

Magnum Bonum—Medium early, and in some crops have been known to average one pound each in weight. Very solid and fine grained, resembling the Peachblow in character and quality. Good keeper. Our stock is extra choice; per lb. 25c; by express or freight, per pk. 50c; bu. \$1.50; bbl. \$3.50.

Parson's Prolific—An Iowa seedling. The vines are vigorous and rank, with strong roots extending deep into the soil; dark green foliage; tubers medium large the best market size, (not overly large) and very uniform; skin pure white and smooth, oval form, slightly flattened on the sides; eyes very near the surface. They grow compact in the hill; have very few small ones. The yield is among the best. Flesh pure white, fine grained and splendid flavor; a first-class cooking potato. We have never found a hollow one; per lb. 25c; by express or freight, per pk. 40c; bu. \$1.25; bbl. \$3.

Potentate—Originated in Iowa. One of the best medium early potatoes with which we are acquainted. Grows large, heavy cropper and is the best keeper on the list. Have been kept sound and good as late as July. The tubers are large, round, very shallow eyes and in quality is excellent. From our own experiments we do not hesitate to recommend the Potentate as first-class. Per lb. 25c; by express or freight, per pk. 50c; bu. \$1.50; bbl. \$3.50.

Burbank Seedling—Produces a large crop of handsome tubers, almost uniform in size, and which always commands a high price in the market; per lb. 25c; by express or freight, per pk. 40c; bu. \$1.25; bbl. \$3.

Almo—Grows even in size, white, slightly russeted, smooth, nearly round, fine quality, medium late, a heavy cropper and excellent keeper. Per lb. 25c; by express or freight, per pk., 40c; bu. \$1.25; bbl. \$3.

Bonanza—This magnificent new variety which we introduced in 1887 is a medium late, and is sure to become one of the leading market varieties for a main crop. Tubers are large, oblong, somewhat flattened, skin smooth, flesh firm, white and fine-grained. Its perfect shape, great productiveness, superior quality, freedom

from rot and blight, and its not being affected by draught, makes it in every respect a first-class potato. Its strong, robust growth renders it less liable to be affected by bugs, and its upright, stocky habit makes it possible to plant closer than most kinds. Quality the very best equal, and by some considered superior, to the Peachblow and Snowflake. Cooks dry and mealy, either boiled or baked. Per lb. 25c; by express or freight, pk., 50c; bu. \$1.50; bbl. \$3.50.

SPECIAL OFFER.

We will send by express or freight at purchaser's expense one pound each of ten varieties (the purchaser's selection), for only \$1.25; or one pound each of the eighteen varieties for only \$1.80. When you consider that this will include each of our three potato novelties you must conclude that this is the best offer ever made on seed potatoes. Be sure and take advantage of this offer.

SWEET POTATOES.

We desire to call especial attention to our facilities for supplying our customers with sweet potatoes for bedding. From long experience we have learned that extreme care in keeping, handling and packing is absolutely necessary to insure their safe arrival at destination. Our facilities for strictly observing these requisites are not surpassed, and, we think, not equalled in this part of the country. Orders should be sent in early and we will ship potatoes as soon as weather permits. The Yellow Nansemond and Early Yellow Jersey are most popular, but we can also furnish the Red Nansemond and White Southern Queen, sometimes termed Yams; per pk. 60c; bu. \$1.50; bbl. \$3.25.

Use Slug Shot for potato bugs.

TOOLS AND IMPLEMENTS.

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

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

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

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

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

Five per cent discount on any two tools shipped together.

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

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

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

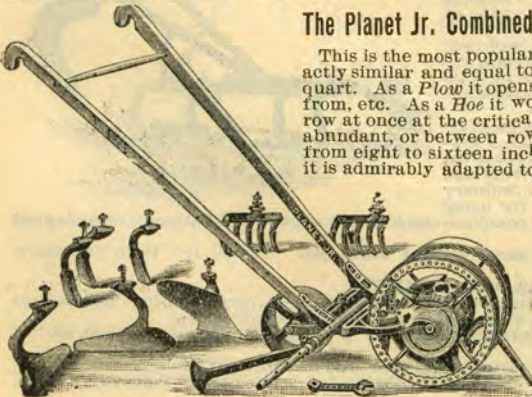
Owing to lack of space in this catalogue we give only a condensed description of these implements. A complete descriptive catalogue of these goods, illustrated with over forty engravings, showing the tools at work, and containing practical instruction in the cultivation of garden and field crops, invaluable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

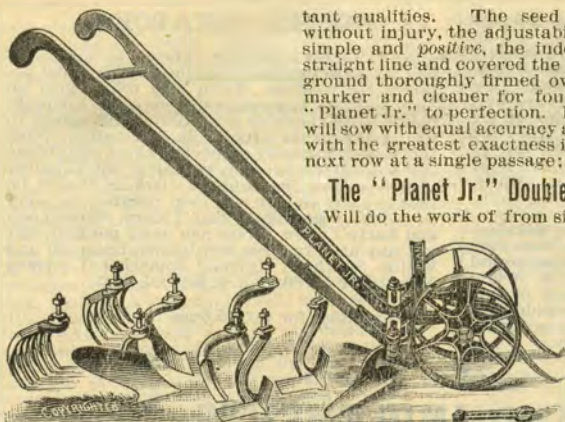
The Planet Jr. Combined Drill, Wheel Hoe, Cultivator and Plow.

This is the most popular tool we have ever sold. As a drill it is exactly similar and equal to the No. 2, except in size. It holds one quart. As a Plow it opens furrows, covers them, hills, plows to and from, etc. As a Hoe it works safely to and from both sides of the row at once at the critical time when plants are small and weeds abundant, or between rows as plants grow larger, working all rows from eight to sixteen inches wide at one passage. As a Cultivator it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired thickness or depth, opening, dropping, covering, rolling down and marking the next row all at one passage, in the most reliable and perfect manner. Each machine is sent out with the tools shown in the cut. Be sure you get the latest style machine, having the rakes for cultivating; price, \$12 each, boxed.

The Planet Jr. No. 2 Drill.

A seed drill to insure satisfactory results must possess a number of impor-





tant qualities. The seed must be discharged regularly and without injury, the adjustability of the dropping device must be simple and *positive*, the index reliable, the seed deposited in a straight line and covered the desired depth with exactness, and the ground thoroughly firmed over the seed. It should have a good marker and cleaner for foul ground. All these we have in the "Planet Jr." to perfection. It holds two and one half quarts, and will sow with equal accuracy a single paper of seed or a full hopper; with the greatest exactness it will cover, roll down, and mark the next row at a single passage; price, \$9 boxed.

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

Will do the work of from six to ten men with the common hand

hoe among market garden and root crops, nursery stock etc., and is especially adapted to onion culture. It is light, firm, strong, quickly set and easily managed. Each one is sent out with all the tools shown in the cut; all the blades are tempered and polished steel. Nothing can exceed the perfection and variety of work it performs. The hoes cut from six to sixteen inches wide, and can be used to throw to or from the row, working both sides of the row

at once. The two cultivator teeth work beautifully among larger plants, mellowing the soil thoroughly. The new rakes are an invaluable addition for leveling and fling the ground, and for cultivating, etc. The detachable leaf guards are of value in late tendings of wide spreading crops. This tool has been considerably improved for 1889, by the addition of a pair of sweeps, which will be found of great utility in cultivating. The plows are useful in weedy crops, in opening furrows and covering, and in billing large plants. The wheels are adjustable in height, and can be set seven to ten inches apart, or for working between crops as a Single Wheel Hoe at four inches apart. Price, \$8 boxed.

"Planet Jr." Plain Double Wheel Hoe—Precisely like the above, except that it has only one pair of hoes for cultivation, thus making it much cheaper, and accommodating those who wish a hoe only. The hoes are the most useful of all the attachments belonging to the tool. The other parts can be added at any time, and will be found to fit; though persons contemplating the use of all the parts, will find it cheaper to get them at one time, thereby saving both in price and express charges. This will make a very effective and cheap tool for parties who have limited work. Price, \$1.50.

The "Planet Jr." Single Wheel Hoe, Cultivator and Plow Combined—Combines extreme lightness, strength, variety of tools, and great adjustability. It has one pair of exchangeable hoes, one pair of cultivating rakes, one broad cultivating tooth, one large garden plow, one detachable leaf guard, and there has been added this year a pair of four-inch sweeps. The frame allows every desirable adjustment, is quickly raised or lowered to regular depth, and the wheel can be attached centrally or to either side of the machine, giving the operator the important advantage of hoeing both sides of the row at one passage, when desired. Price, \$6 boxed.

The "Fire Fly" Single Wheel Hoe, Cultivator and Plow Combined—Combines lightness and strength with the greatest adjustability. The tools are all made after the most perfect models, and are first, a pair of hoes which can be set to work to and from the row and to any desired depth. Next a set of three reversible cultivator teeth. Third, a large excellent garden plow. Price \$6, or with an iron handle, \$4.50.

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

The "Planet Jr." Hollow Steel Standard Horse Hoe and Cultivator Combined—No tool which has ever been offered to the American public has so rapidly gained its favor as the "Planet Jr." Hollow Steel Standard Horse Hoe and Cultivator. This is due to the fact that for the cultivation of all farm crops, none equals it in ease of handling, variety and quality of work done and lightness of draft.

For the season of 1889 it is made almost entirely of steel, and has an expanding frame, which can be closed to five inches or opened to twenty-four, and is provided with such a variety of adjustable teeth as enables it to do all kinds of one horse cultivation.

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

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

Price complete as above with wheel, \$11; same without wheel, \$10. "Planet Jr." Plain Cultivator (with five cultivator teeth) \$6.

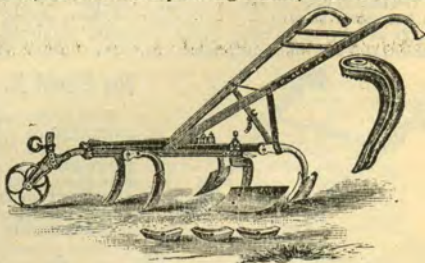
EXTRA ATTACHMENTS.

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

Furrowing Steel—\$1.75. Marking Attachment—\$2. Sweeps—8 inch, 35c; 10 inch, 40c; 12 inch, 45c; 15 inch, 50c.

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

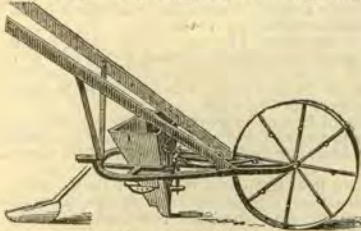
Attachment for Earthing Celery—\$4. Send for Illustrated Catalogue of "Planet Jr." Tools.



COMSTOCK'S HORTICULTURAL IMPLEMENTS.

Send for Illustrated Circular fully describing them and their uses.

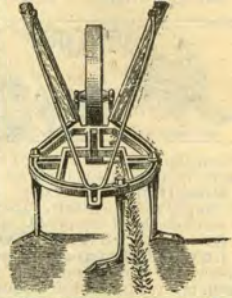
Comstock's Seed Sower—Will give perfect satisfaction in sowing any garden seed, from the smallest size up to Peas and Beans. It sows Beet, Parsnip and other difficult seeds to sow with the greatest regularity, and is especially adapted to sowing Onion seed, either three, four, five or six pounds to the acre. A revolving disk which is held in place by a spring, regulates the quantity of seed sown. It can be changed instantly to sow either thick or thin. Price reduced to only \$7.00.



AS A SEED SOWER.

with sharp angular teeth set at an acute angle to the rows, in the shape of the slotted iron cultivator frame, and of the three cast steel cultivator teeth, used in combination, with which the operator cuts close to the rows and takes away all the weeds as fast as he can walk and shove the machine, which leaves the ground as even and fine as a flower garden. Reduced to \$6.

Comstock's Combined Seed Sower, Cultivator and Weeder—This consists of the seed sower mentioned above, and the attachments which go to make up the Cultivator and Weeder, the same frame, wheel and handles being used for both. Price reduced to \$10.00.



CULTIVATING BOTH SIDES OF A ROW.

EXTRA ATTACHMENTS.

Hopper and Coverer to make a Seed Sower of a Cultivator..... \$ 4.00
Set of two rakes and three teeth to make a Cultivator and Weeder of a Seed Sower..... 3.00
Extra Steel Plates, for replating teeth when worn, each..... .17
SCUFFLE HOE—This is by far the most important of any of the extra attachments. It thoroughly clears the ground of weeds and loosens up the soil..... 1.25

RUHLMAN'S WHEEL HOE—No tool that we have ever sold has given better satisfaction than this. Extremely simple in construction, it is compact, firm, strong and durable, doing to perfection the work for which it is designed. The handles can be raised to suit, knife-blades set to any pitch, and from seven to sixteen inches in width; can be run within half an inch of the row without injury to the plants. One man with this implement will do more and better work than eight men with common hoes. It is particularly valuable on hard ground, where it takes hold of the weeds better than most other wheel hoes. Price is \$5.50, but as we have a large number for our trade this season we will make the special price of \$4.25 delivered on cars here.

The Genuine Matthews Seed Drill—Beware of cheap imitations under similar names. This is a very popular drill among market gardeners, and is claimed by many to be the best in the world. We are using it quite largely on our own seed farms and it gives perfect satisfaction. When in operation it opens the furrow, drops the seed accurately at the desired depth, covers it and lightly rolls the earth down over it, and at the same time marks the next row. In this way it sows, with an evenness and rapidity impossible for the most skilful hand to do, all the different varieties of seed. Price \$12.00.

IMPROVED STROWBRIDGE BROADCAST SOWER.

If you desire it we will send you a pamphlet containing testimonials from farmers, dealers and agricultural colleges in all parts of the country, which will thoroughly convince you that the Strowbridge is the only perfect broadcast sower made, and just the machine you want. It sows all grains, grass seeds and everything requiring broadcasting—any quantity per acre, better and faster than any other method. Saves seed by sowing perfectly even, is not affected by wind, as the seed is not thrown upwards. Sows half or full cast, on either or both sides of wagon. Readily attached to any wagon or cart without injury, and used wherever they can be driven. Lasts a lifetime. Sows eighty acres of wheat per day, crop one-fourth larger than when drilled.

If you sow any seed broadcast it will pay you to have one. Write us for a pamphlet describing it, and perhaps, if you live at a distance from Des Moines, we can help you some on freights, as we want to introduce them into every section of the country. If you want to occupy leisure time with some profitable employment, canvass the sale of these seeders among the farmers of your locality, and we will give you special prices in lots of two or more to be shipped together. This is the latest improved sower for 1889. Price reduced to \$20.

Granger Hand Broadcast Seed Sower—An improvement on the Cahoon—Is among the Hand Broadcast Seeders what the Improved Strowbridge is among Power Seeders. With it you can sow all kinds of grain and seed to your perfect satisfaction. It is a good, substantial and nice little machine, cheap and durable, light itself, and runs lightly, and can be used equally well by a man or boy. Price, \$5.

Little Giant Hand Broadcast Seed Sower—The best of the fiddle bow sowers. Does good work, and is the cheapest hand sower made. Price \$4.

Centennial Fanning Mills—Pronounced by all the best in the market. We use several of these mills for cleaning seeds, and they do perfect work. Every farmer who raises grain or grass seeds should have a No. 1 Farm Mill. Price, \$30, but we are now making special price of \$22.50.

Right Speedy Hand Corn Sheller—Price \$3.

New Improved Western Washer—Is the simplest and most perfect washing machine made. Is a household necessity. It will save clothes, time, labor, soap and fuel, and that means it will save you money. We guarantee them to give satisfaction. Price, No. 1, \$6.50; No. 2, \$7.

Michigan Washing Machine—A large round tub washer, working on the same principle as the Improved Western and by many considered a great improvement on that style. Price, only \$7.

Superior Wringer—Has patent adhesive rolls, best steel springs and malleable iron crank that will not break. They are "Superior" in quality, workmanship and finish, and in manner of doing work. Price, only \$2.75.

Churns—The best makes at low prices.

Rochester Wheelbarrow Sower—First-class, 14 feet long; \$9.

If you want anything in the implement line it will pay you to write for prices.

SUNDRIES.

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



Excelsior Weeding Hook—This instrument can be used to great advantage among small and tender plants. It is warranted to give entire satisfaction.

when used among rows of seedlings, among ornamental plants, or in any place where absolute freedom from weeds is desired. Price, 25c; \$2.25 per dozen, or postpaid for 30c, each.

Haseltine's Weeder—One hour's use will repay its cost, and in any vegetable or flower garden it is simply indispensable. Its price, 3c, prepaid, is not one-tenth its value for one season's use. Blade is solid steel, oil tempered, and has five sharp edges. Price, 30c; \$3.25 per dozen, or postpaid, 35c, each.

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

Lawn Trimmer—A new invention offered this year for the first time and it should be used by every one who has a lawn. Very convenient for trimming the edges, cutting border strips, and all lawn trimming which requires close cutting. Work is done rapidly and operator remains standing while at work, and consequently gets along faster. Price, \$2.50.

Water's Tree Pruners—Best in the market; 6 ft. \$2; 8 ft. \$2.25; 10 ft. \$2.50.

The Concave and Curved Seed Potato Knife—Is thin and right shape to cut 1, 2 or 3 eye pieces, fast, and not crack the tuber or injure the germs. Price 35 cts. each, postpaid.

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

Bird Cage Hooks—Each 10 cents to 75 cents.

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

Swiss Moss Baskets—Each 5 cents to 30 cents.

Ornamental Straw Baskets—Each 25 cents to \$2.50.

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

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

Fancy Wooden Trellises—Light and strong, all sizes for pots and out-door climbers; each 10 cents to \$2.

Hammond's Slug Shot—Hammond's Slug Shot is a combination of the most potent insecticides and soluble plant food, not harmful to either beast or fowl, but probably the most effective and economical article in use for the destruction of the various insects that prey upon cultivated vegetation. When you order your seeds, if you have not tried Hammond's Slug Shot, order a five or ten pound package, and use it as per directions given with each package.

Put up in packages, not prepaid, 5 pounds 35 cents; 10 pounds 65 cents; 50 pounds \$3; 100 pounds \$5.50; by mail postpaid, 1 pound 25 cents; 5 pounds \$1.

Tin Foil—Pound by mail 40 cents.

Wire Designs—For cut flowers. Of these we have a good assortment. Price of any kind of design given on application.

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

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

Scolley's Plant Sprinkler—The best; indispensable for floral work. Price by mail postpaid \$1.15.

Berry Boxes—They are put up flat to ship, but they are all ready to put together, which can be done very rapidly. Price per 100, 60 cts; 1,000, \$3.50. Annealed tacks for putting together boxes, per oz. 10 cts; per lb. 75 cts.

Bowker's Food For Flowers—A fertilizer made especially for plants grown in the house or conservatory; clean, free from offensive odor, largely soluble in water, and producing healthy plants, free from vermin, and early and abundant blossoms, to which it imparts a rich and brilliant color. Large size package for 35 cts; postpaid for 45 cts.

Florist's Plant Food—A composition somewhat similar to the above, which is sold in bulk at 10 cents per pound, or by mail 30 cents per pound.

Lawn Fertilizer—Per pound 10 cents; 25 pounds or over at rate of \$3 per 100 pounds.

Pure Bone Dust—This is the best pulverized raw bone dust in the market, and makes a splendid fertilizer for lawns and gardens. Price per pound 10 cts; 10 pounds 75 cts; 100 pounds \$6.

Pure Bone Meal—Per 100 pounds \$4.

Perfection Bouquet Holder—Very convenient for holding corsage or button-hole bouquets; easily adjusted, and holds bouquet firmly and gracefully; 15 cents each postpaid.

Also—Pruning Knives, Horse-Radish Graters, Syringes, Garden Tools, Measures, Feed Cutters, Tree Lables, Rubber Hose, Roffea, Trellises, Plant Stakes, Gardener's Florists and Nurserymens supplies; and in fact almost everything for the Farm, Lawn, Garden, Greenhouse or Nursery. Write for prices.

IOWA SEED COMPANY, Des Moines.

POPULAR GARDENING AND FRUIT GROWING.

We take pleasure in informing our readers that we are authorized to receive subscriptions for this superior Dollar Horticultural monthly, both new and old, at the regular price of \$1 a year. New subscriptions must in all cases be marked "new," and renewals "old." Transfers in the same family cannot count as new, they must be marked "old." Subscriptions may begin with any month. As a special inducement for new subscribers we will send, your choice of either Flower or Vegetable Seeds (in packets only) to the amount of 40 cents at regular Catalogue prices, FREE, to each person who sends their subscription to us. This offer is to new subscribers only, and you may select seeds desired. Or we will send the paper free to any one who orders Vegetable or Flower Seeds in packets to the amount of \$2 at Catalogue prices, and does not ask for any other discount or premium.



NEW STRIPED LARKSPUR



DOUBLE PEARL



SALPIGLOSSIS

IOWA SEED CO.



BEAUTIFUL
DOUBLE HOLLYHOCKS
FROM SEED FIRST YEAR.

SUPERB COLLECTION

IOWA BEAUTY PANSIES	25
IOWA GIANT "	25
DOUBLE PEARL PHLOX	15
DOUBLE HOLLYHOCKS	10
VARIEINED SALPIGLOSSIS	10
NEW STRIPED LARKSPUR	15

The 6 for 85 cents



IOWA BEAUTY

PANSIES



IOWA GIANT

IMPROVED TABLE
GUERNSEY PARSNIP

PICKLING SIZE

TABLE SIZE

RIPE
PERFECT WHITE SPINE CUCUMBER
5 CTS PER PACKET.

EARLY DESMONDINES
SWEET CORN

Per packet
10 cts.

Per packet
10 cts

OUR THREE

NEW
EYELESS SEEDLING

NEW POTATOES.

EARLY
IOWA BEAUTY

Introduced by
IOWA SEED CO.
in 1889

NEW
WHITE BEAUTY OF HEBRON

See Description
in NOVELTY LIST

OUR NEW EARLY IOWA BEAUTY
IS THE EARLIEST & HANDSOMEST POTATO IN EXISTENCE



IMMENSE CROP



LUXURIOUS FOLIAGE. VIGOROUS GROWTH.