

31<sup>ST</sup>

Annual Catalogue

IOWA SEED CO

DES MOINES  
IOWA.

SEEDSMEN  
TO THE AMERICAN  
PEOPLE

PANICULATA

GRAVILEN

1901

HENRY

MAD  
EDOUARD  
ANDRE

JACKMAN II.

COCCINEA



**GRAND CLEMATIS**  
THE 3 LARGE FLOWERING SORTS  
FOR 50 CENTS  
ALL 6 VARIETIES FOR 85 CENTS

SHRYVE LITHO. CO. NEW YORK.

See Inside Cover for Descriptions.



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## GARDEN PLANTS.

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family.

**HOLT'S MAMMOTH SAGE.**—Larger and better than any other variety. Each 10c; 3 for 25c; doz. 75c.

**MINT OR SPEARMINT.**—One of the most popular of all garden plants for flavoring salads, soups, garnishing meat, mint julp, etc. Each 10c; 3 for 25c; doz. 75c.

**TARRAGON.**—Highly valued wherever known. Each 15c; 3 for 40c; doz. \$1.25.

### CHIVES.

Perfectly hardy little perennial members of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. The tops appear very early in the spring and

can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots, per bunch 15c; 4 for 50c.

**CHUFAS.**—A sweet ground nut greatly liked by children. Per pkt. 5 oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**CATNIP.**—Each 10c; 3 for 25c.

**PENNYROYAL.** Each 15c; 3 for 40c.

**ROSEMARY.**—Each 10c; 3 for 25c.

**PEPPERMINT.**—Each 10c; 3 for 25c.

**TANSY.**—Each 1 c; 3 for 35c.

**ARTEMESIA OR BROTA.**—Ea. 15c; 3 for 40c.

**CALAMUS.**—Each 20c.

**COLLECTION:** One each of 10 varieties of Herb and Mint plants for \$1.00 postpaid.

## HARDY PERENNIAL PLANTS.

These require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year. These varieties are all hardy.

**RUDBECKIA, GOLDEN GLOW.**—A glorious new hardy plant of fine habit, vigorous growth, with early, continuous and immense blooming qualities. It attains a height of from six to eight feet and a small plant set out in the spring will produce hundreds of blossoms during August and September, each one as large as a fair sized chrysanthemum. It is of easiest culture and sure to please all. Price 15c; doz. \$1.25.

**HELIANTHUS MULTIFLORUS PLENUS.**—The flowers are from three to four inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. Each 10c; doz. 75c.

**DELPHINIUM FORMOSUM.**—(Hardy Larkspur) This is certainly one of the handsomest and most satisfactory of all the hardy herbaceous plants. Each 20c.

**HARDY PERENNIAL PHLOXES.**—These are among the most useful and desirable of our hardy herbaceous plants, and should be planted largely. Our collection embraces the best new and old varieties mixed. Each 10c; doz. \$1.00.

**DOUBLE PÆONIES.**—These are again becoming quite popular and some of the varieties are truly magnificent, almost rivaling the rose in brilliancy of color and perfection of bloom. Many varieties. Each 25c; white 35c.

**ACHILLEA.**—Finest of all plants for cemetery planting. Double pure white small flowers produced in great numbers. Ea. 10c; doz. 75c.

**GOLDEN COREOPSIS.**—Produce great quantities of beautiful golden yellow flowers. Each 15c; doz. \$1.25.

**MYRTLE.**—Handsome trailing plant with dark green leaves and bright blue flowers. Each 10c; doz. 75c.



**Unseren deutschen Freunden** Diese hiermit zur  
 Samen-Kataloge in deutscher Sprache drucken. Die angeführten Samen  
 der Mutter Sprache den Genuß und sendenden wir diese Kataloge frei an  
 die, barum anfragen. Bitte annehmen Sie die Kasseisen Ihrer deutschen  
 anbahn, damit diese den besten deutschen Katalog in America erhalten.

**RARE OR SUPERIOR SEEDS YOU MAY SEND US FOR TRIAL.**



## Novelties and Specialties for 1901

"WHAT have you that is especially new and desirable this year?" is the first question asked us by many of our patrons. The "Novelty of the 20th century vine," bearing vegetables, fruit and flowers, shown in the margin of this page, is a creation which exists only in the mind of our artist, but when we consider the wonderful advances which have been made during the past century in horticulture and agriculture, who shall say that crosses and hybrids of still more startling character will not be brought out by some process now unknown, during the new century. The most learned scientists are beginning to feel that they are just on the border of unknown principles and forces of nature, more vast and far-reaching than the ordinary mind can comprehend. However, the Iowa Seed Co. is not striving for that which simply awakens wonder and surprise, but all our efforts are directed to improvements which shall be of great value. In the following pages on pink paper we give special prominence to some of our most important novelties and specialties this year. Each is faithfully described from careful observation. All are worthy and recommended by us. Aside from these, many desirable novelties will be found listed in various parts of the catalogue, as well as the standard sorts which everyone wants for stands-by. Notice the collection of novelties offered on cover and on the colored plates.

### NEW TRIUMPH RADISH.

A beautiful and valuable new variety of Radish which is a decided novelty, being both unique and valuable. It is of the shape shown in our illustration, round, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early, maturing in three weeks, has very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender, and of as good flavor as any radish grown. It being a sport some of the roots are always of solid color, not variegated. It will please everyone for family use. Per pkt. 10c, oz. 25c.

### EARLY EXPRESS CUCUMBER

We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. F. Coy, the well known seed grower, and may be called the best novelty in this line which has been brought out for many years, especially for the private garden. It is by all odds, the earliest variety in existence, producing fruit several days ahead of Early Siberian, Extra Early Russian and other early sorts, and nearly double the size. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. The plant is very productive, bearing fruit which is quite uniform in size and shape. Color is a lively green, shading to nearly white at the blossom end as they grow older. Our cutshows compact growth of vine. Per pkt. 5c, oz. 20c, ¼ lb. 60c.



NEW TRIUMPH RADISH.

### GIANT GRAY SUGAR PEAS.

A novelty from Hawaii which we have grown here for several years and it has yielded an immense crop of large flat pods, which are unusually tender and sweet. The peas should not be shelled, but the pods are to be cut into pieces about an inch long and boiled. With the addition of a little milk and butter they are as nice as the best asparagus, only richer. The Cleveland Seed Co., who claim to be the largest growers of seed peas in the U. S., write us "We consider your new Sugar Peas the most desirable Edible Pod Peas ever brought to our notice. It is prolific and has very handsome broad pods, quite stringless, brittle, tender and sweet." If you want to enjoy a delicious table luxury, try them this year. Per pkt. 10c, ¼ pint 25c, qt. 50c.

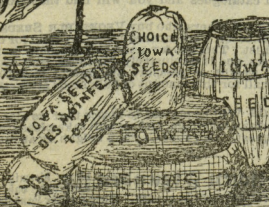
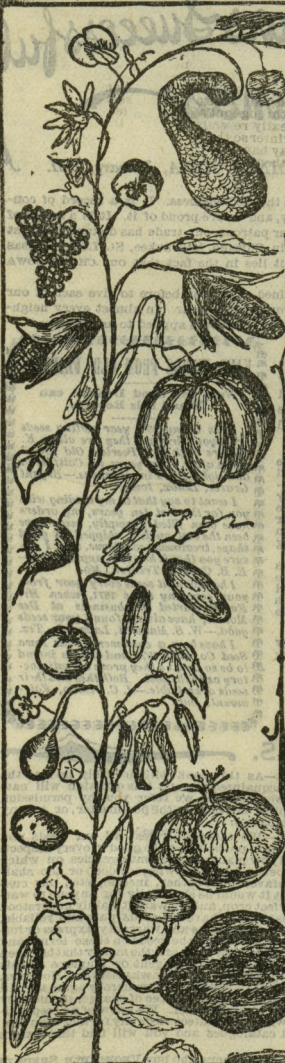
### CHINESE SAGO BEANS.

When traveling in California we spent considerable time on a 500 acre farm which was devoted to growing standard varieties of vegetable and flower seed and novelties from all parts of the world. We noticed here that the kind of food which seemed to be the most relished by the farm workmen was a small, round, green bean, smaller than a kernel of pop-corn or about the size of sago. To prepare it for the table it was soaked in water for several days, changing water frequently until it began growing and the sprout was about half an inch long. When boiled they then make a nice fresh dish for the table. In this way fresh vegetables can be had in the winter. We tried growing them on our place last summer and they yielded wonderfully well, so we take pleasure in offering them to our customers. Per pkt. 10c, oz. 20c, ¼ lb 50c.



EARLY EXPRESS CUCUMBER.

A 20<sup>th</sup> CENTURY NOVELTY





## APPLE PIE MELON.

This is a novelty which will be appreciated in many sections of the country and especially so during seasons when apples are scarce or high in price. The vine and fruit are quite similar to a watermelon and they are easily grown on any good soil. Each vine produces from five to fifteen fruits and one of the large sized melons will make as many pies as a bushel of apples. We have estimated carefully in our field that one vine would produce an average of about 300 pounds, and this equal to six bushels of apples as there is not a waste of cores and peelings that you have with the apples. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and it greatly resembles apples in flavor. They keep nicely and fresh all winter so that they can be used at any season.

APPLE-  
PIE  
MELON

any surplus you may have may be fed to the live stock. In fact it would pay to grow them for this purpose alone as they can be kept and fed fresh all winter. We sent out small packets of this variety to several thousand customers last year and everywhere they proved highly satisfactory. Sold this year in packets only. Per pkt. 10c, 3 pkts. for 25c.

## NEW HESTER SQUASH.

This extra choice new variety which we introduced, may be called a yellow Sibley squash, as it is a strain of that well known variety which has been selected and improved by Mr. Wm. Hester for many years. The old Sibley or Pike's Peak has for many years past been considered the only variety which surpassed the Hubbard in quality every year. Mr. Hester secured a few seeds of the Sibley direct from the originator about 12 years ago, prior to its introduction. One of these produced a vine which bore fruit different from the type and color and also much earlier. It is of same shape as the parent variety, but the color is of a pinkish yellow, slightly striped at the point with light green. They are early and quality is excellent even when fruit is quite small so that they can be used as an early summer squash. From the time until winter they are the best of all squashes and under proper conditions will hold their own until spring. One lady said after testing their delicate flavor, "They are good enough for fairies," and this suggested our illustration which represents the pet of our family—Lily Page—tasting the baked squash. When stewed or steamed they are drier than when baked and they make the most delicious pies. Our crop was nearly destroyed by a flood, so that we can offer it in packets only this year. Per pkt. 10c.

## MAMMOTH GROUND CHERRY.

For several years past we have thought the Yellow Ground Cherry was a fruit which could be improved, and by hybridizing and selecting we have finally secured a mammoth size fruit fully 1 1/4 inches in diameter, which is of fine flavor. Thousands of our customers will want to try it, but we can only offer it in packets of 40 seeds. Price per pkt. 10c.

## RELISH LETTUCE.

When visiting the place of one of our seed growers in California, we were greatly pleased with this fine new variety which we do not hesitate to call the best of all for family use. It is one of those rich buttery flavored sorts which after one becomes accustomed to, they always prefer to the crisp leaved varieties. It is the blanch yellow center of the head that is eaten with olive oil, vinegar, salt and pepper. It is extra large and handsome, of unusual solidity and of most crisp, tender quality. It is the most desirable sort for family use and for market gardeners, either for forcing or growing in the open ground. Early and hardy. Pkt. 10c, oz. 30c 1/2 lb. \$1.00

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## SUPERB TOMATO.

It is indeed a superb new variety which is sure to please every one with its high quality. It originated with one of our growers a few years ago and has been carefully selected to perfect the type. It is a sport from the old purple Mikado, retaining the robust healthy growth and potato-shape least of that variety, but the fruit is bright crimson, same color as the Matchless. It matures at mid-season and is very productive. It is hardy and stands a frost which will kill other sorts, and it is also an excellent drought resister. The fruits are smooth, of medium size, and superior quality. When other varieties were badly affected with blight the Superb showed no signs of it. Price per pkt. 10c, oz. 35c.

## ERFURT ROUND SUGAR CABBAGE.

A novelty from Germany which is entirely distinct in character and color. It ripens at mid-season and makes a very hard, solid, heavy head with short stem. Head is round as a ball, smooth, fine flavor, sweet, superior quality for all purposes. Its great characteristic, however, which distinguishes it from all other sorts is that when pickled it assumes a fine golden color which makes the *Sauerbrant* better liked, more appetizing and more saleable than any other. It pays to grow and put up *sauerbrant* and you should have the Erfurt Round Sugar if you want to obtain the highest prices. Per pkt. 10c, oz. 30c, 1/2 lb. \$1.00.

## ROCKY FORD MUSK MELON.

During the past few years the melon growers of the United States have been startled by the appearance of this new variety, which has everywhere been in great demand by the high class hotels and restaurants. Hundreds of carloads of these have been shipped from the little town of Rocky Ford, Colorado, to Chicago, St. Louis, New Orleans, Philadelphia, New York, Boston and other cities, driving out the home grown. They have attained a national reputation for high quality. The melons are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color and fine, juicy, luscious flavor. It is very early, and is wonderfully productive. These delicious melons can be grown to perfection anywhere if you have the right kind of seed. Those who send direct to us can fully rely on securing genuine stock, as our seed was grown under our own supervision. Per pkt. 5c, oz. 10c, 1/2 lb. 30c, lb. \$1.00.

HESTER SQUASH.—"GOOD ENOUGH FOR FAIRIES."

## SWEET WOODRUFF.

This plant, known botanically as *Asperula odorata*, is a sweet scented herb, highly valued by the Germans and forms the principal ingredient of the famous German Mairani. Per pkt. 5c, oz. 6c.

ROCKY FORD MUSK MELON.

RELISH LETTUCE.



**GRADUS, or PROSPERITY PEAS.**

The Finest, First-Early Wrinkled Pea.

This new extra early green wrinkled pea is an acquisition and will soon become one of our most popular varieties. We may now have large tender peas, sweet and delicious, in early June. The Gradus will yield an abundant supply of the most tender wrinkled peas much earlier than other wrinkled varieties, and they proved to be as claimed by the introducer, only three days later than the best stocks of the small extra earlies, such as First and Best, etc. It is also the earliest large podded pea in cultivation. The vine has heavy stems, with large dark green leaves, and grows from 2½ to 3 feet in height. It produces uniformly large pods measuring from 4 to 5 inches long, well filled with peas of enormous size for such an early variety. The peas remain edible, tender and sweet for some time. The Gradus is an ideal extra early, and we are confident that it is destined to become the leading early variety, both for the amateur and market gardeners. Per pkt. 10c, ½ pt. 20c, qt. 60c.

**WASHINGTON WAKEFIELD CABBAGE.**

For many years the Jersey Wakefield Cabbage has been the most prominent early sort with market gardeners, and many attempts have been made to improve upon it, with heretofore but limited success. In this grand variety, which is well shown by our illustration, we have a most superior strain, well worthy the name it bears. It is a leader, and first in head! first in market! and first in the hearts of the gardeners! It is very early, the heads pyramidal in shape, larger than the Jersey Wakefield, very solid, with few outside leaves. Grows remarkably uniform, heads of even size and shape. Unequaled for market or family garden. Try it this year. Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.50.

**WHITE PRIZEWINNER ONION.**

In magnificent shape and enormous size, the White Prizewinner is the exact counterpart of the Mammoth Yellow Prizetaker, which has become so popular in the last few years, differing only in its handsome silvery white skin. Hundreds of market gardeners and onion growers have tried it, and say that nothing equal to it in the line of white onions has ever before been grown in America. One enthusiastic grower says: "I raised a White Prizewinner measuring 17 inches in circumference, and weighing over four pounds, which astonished my neighbors, and took first prize at county fair." Pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$4.00.

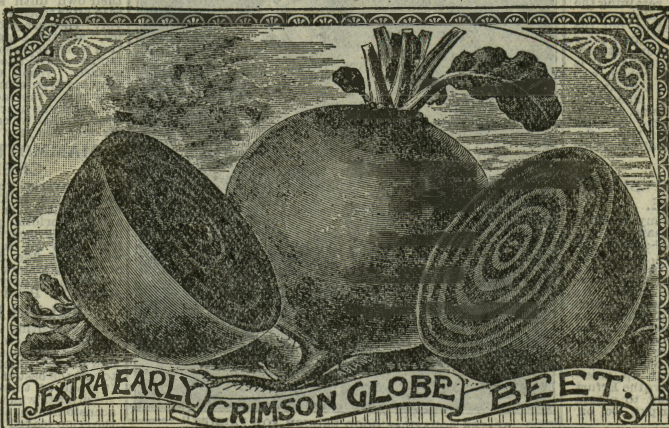
**IMPROVED BISMARCK CUCUMBER.**

An excellent variety with very long fruit, pointed at both ends, very uniform in shape, size and color, thus making it an excellent sort for marketing. Holds its dark green color well. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**EXTRA EARLY CRIMSON GLOBE BEET.**

A Novelty of 1900.

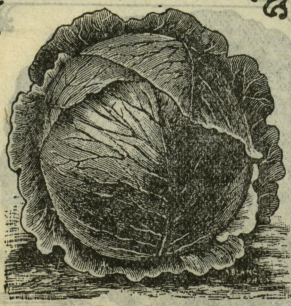
This magnificent new variety from England is the best novelty in table beets which has been offered since we introduced the Market Yellow Prizetaker. It is a very early variety, generally shown in our illustration. Skin very smooth, and it is as handsome a beet as you can imagine. It is of a rich deep red color shading to purple. Cooks readily, is very fine grained, and flavor cannot be surpassed. Our illustration shows the beautiful variegation of the cut beet, but when cooked it is of even dark color throughout and is attractive when on the table. It is not only a choice sort for early use, but it is also very desirable for main crop as it keeps well until late spring. They are of such uniform shape and size that they make the most desirable variety for selling in bulk in the fall as well as for bunching. Everyone who has even a small garden should try Crimson Globe this year. Pkt. 10c, oz. 25c, ¼ lb. 75c.

**TRIUMPH WATERMELON.**

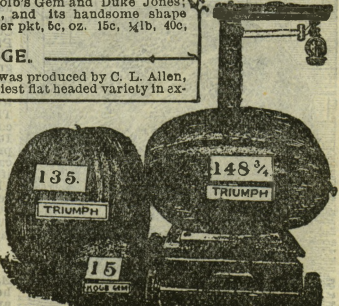
Claimed to be the largest and finest watermelon in the world. Our illustration shows the two largest melons which were entered in the prize contest in comparison with an ordinary 15 lb. Kolb Gem. They are truly monsters. It is a hybrid between Kolb's Gem and Duke Jones. It is fairly early in maturing, of high quality, and its handsome shape and dark green color will make it a seller. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**ALPHA CABBAGE.**

This variety, now offered for the first time, was produced by C. L. Allen, the noted horticulturist. It is by far the earliest flat headed variety in existence being several days earlier than even the Jersey Wakefield. It is remarkably solid rivaling the Danish Ballhead and is wonderfully free from the loose superfluous leaves. Its compact growth permits setting plants in rows 24 inches apart and 10 to 12 inches in the rows. Although last season was disastrous to the cabbage crop on Long Island where this variety originated, still it did not appear to affect the Alpha at all, as the heads were quite uniform. It has a short stalk or stem and the heads are 6 to 8 inches in diameter. Just the right size to soil well on the early market. We predict that it will become very popular with market gardeners, and the value of the home garden will also be increased if it contain some of this useful early variety. Per pkt. 10c, oz. 35c, ¼ lb. \$1.00.



ALPHA CABBAGE.





ROSE-RIBBED SELF-BLANCHING  
CELERY.

The illustration gives a fair idea of this beautiful new Celery. It is a sport of the Golden Self-Blanching Celery, and possesses all the good qualities for which that variety has become so famous. It has the same beautiful, rich golden-yellow color, is self-blanching to the same remarkable degree, and differs only in the color of the ribs. These are of a very attractive shade of rose, which deepens as the season advances. This ornamental feature gives the whole plant a most pleasing appearance, that cannot fail to make it of even greater value for market, while no celery could be of finer quality, and we recommend it to all lovers of nice celery. Per pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1.00.

GIANT FRINGED WINTER  
ENDIVE.

Endive is one of our best and most wholesome salads for fall and winter use and some people call it winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart and the leaves are beautifully curled and of the best quality, very crisp and refreshing. Sow seed in April for early use or in June or July for winter. Transplant or thin out to a foot apart when plants are 2 or 3 inches high. When nearly full grown tie the leaves together to blanch. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c.

## NEW ICICLE RADISH.

A magnificent novelty from Germany which receives its name from the almost transparent whiteness of the root which has no comparison among all cultivated radishes. The shapes well shown in our illustration. It is of the best flavor, very crisp and brittle. It vies in earliness with the earliest forcing sorts producing nice roots in 22 days from date of sowing and it continues in prime condition for a longer period than any other variety, so that from one sowing of seed, nice crisp radishes may be had from early in spring until mid-summer. This adds greatly to its value for the family garden. It is one of the best European novelties which has been introduced for several years and should become very popular. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c.

NEW ICICLE RADISH.

ROSE RIBBED CELERY.

EARLY SUNRISE SWEET  
CORN.

This splendid new variety which we introduced originated with a market gardener in the western part of this state, and for eight years he has been selecting it to an ideal size and shape and also the earliest maturing. In this way he has finally obtained this variety, which is distinct from all others. The ears are about six inches long, well filled out at the end, and husk covering so completely and being so tight as to prevent the work of worms, which are so bad in the Cory. The grains are fairly deep and are set in straight rows on a small white cob. Very uniform and handsome. It is quite productive and of a good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find the Early Sunrise a most profitable and satisfactory variety. Per pkt. 5c, 4 pck. 15c, oz. 50c, postpaid. By freight, peck \$1.00, bu. \$3.50.

The Maine State Bulletin No. 27, states that the Early Sunrise was as early as any variety in their long list, much larger and better than Cory; in quality equal to most of the later varieties and the most prolific of all. They say it is worthy of special mention.

## NEW ASTRO CUCUMBER.

A variety of the highest merit for gardeners, some claiming that they made more money from a crop of these grown early in hotbeds than from any other crop, as they yield a continual daily picking and sell quickly at \$1.00 per doz. Fruit large, perfect shape, 8 to 12 inches long, or with outdoor culture 15 to 18 inches long. They are of the very best quality for slicing, as the flesh is white and crisp and they have very few seeds. Pkt. 10c, oz. \$1.00.

## Alaska Heard From.

The seeds received from you last spring were all right. Our season was backward, but nevertheless we had a fair crop of peas, radishes, turnips, beets and cabbage. Your Iowa seeds seem to be well suited to this northern climate. — O. T. Pingree, Wrangell, Alaska.

The seeds which we purchased from you this spring were the best we ever had. I believe every seed grew. — James Hudson, Dorp, Neb.

Try the Collection of  
VEGETABLE NOVELTIES

Illustrated on back  
cover of this  
Catalogue.

## THE ENTIRE COLLECTION

worth 60 cents.  
for only

25 Cts.

## EARLY SUNRISE SWEET CORN.

I have used your seeds for several years and find them all right, both garden and kitchen seeds. — Mrs. Eric Johnson, Walter Hill, Tenn.

The seed purchased from you last year were all you represented them to be. — M. J. Baker, Hillsboro, Ills.

ASTRO

Cucumber.



ATLAS

PUMPKIN



Seeds purchased from you last spring were all right. I grew one egg plant from your seed which measured nine inches in length by eighteen and one-half inches in circumference which is the largest I ever saw here.—F. M. Hopkins, St. Joseph, Mo.

## NEW ATLAS PUMPKIN.

What do you think of a pumpkin weighing 300 pounds? It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. One specimen shown at the World's Fair is said to have weighed 481 pounds, but such a weight is extraordinary. Our seed is the result of years of selection and was saved only from the largest sized perfect shaped specimens which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs, etc., and just think of the enormous weight that can be grown from one seed. Flesh is a rich yellow, very thick and of excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. We have only a small supply of seed this year and can only offer it in packets of ten seeds for ten cents.

## A PRIZE OF \$10.00.

will be paid for the largest specimen grown from our seed this year, the report to be sent in by October 15th. Full directions for growing large specimens sent with each packet.

*I grew one vine from the Atlas Pumpkin seed received from you, which produced four pumpkins. The largest weighed 175 lbs., second 168 lbs., third 138 lbs., fourth 96 lbs., or 577 lbs. in all.—Hardy Hughes, Myrtle Creek, Oregon.*

## BLUE GEM WATERMELON.

This remarkable new melon is one of the finest ever brought out, and by some has been called Blue Kolb Gem, but it is of infinitely better quality than the old Kolb Gem. Averages a better size, and with less culls. It is of dark bluish green color, bright red flesh and black seeds. T. H. Johnson, who ships about 250 car loads each season, says he considers it the best shipping melon, as it has a tough rind, keeps longer than any other variety, the quality is superior, and it therefore readily brings \$25.00 a carload more than other sorts. It is the coming melon for shipping, and will please all who try it. Per pkt. 5c. oz. 15c. ¼ lb., 45c. lb. \$1.25.



## EARLY ROUND PURPLE EGG PLANT.

The Earliest Variety in Existence.

There are many persons who do not attempt to grow Egg Plants although they are a most desirable vegetable, for the reason that unless season is favorable they sometimes fail to mature the fruits. With this excellent variety, however, there is no such danger, as it is fully a month earlier than any other sort. Fruit is exactly the same shape and color as the Improved New York Purple, but is somewhat smaller. It is fully equal in quality, however, and what it lacks in size is made up in productiveness. Try growing Egg Plants this year. You will like them. Pkt. 10c. oz. 35c.

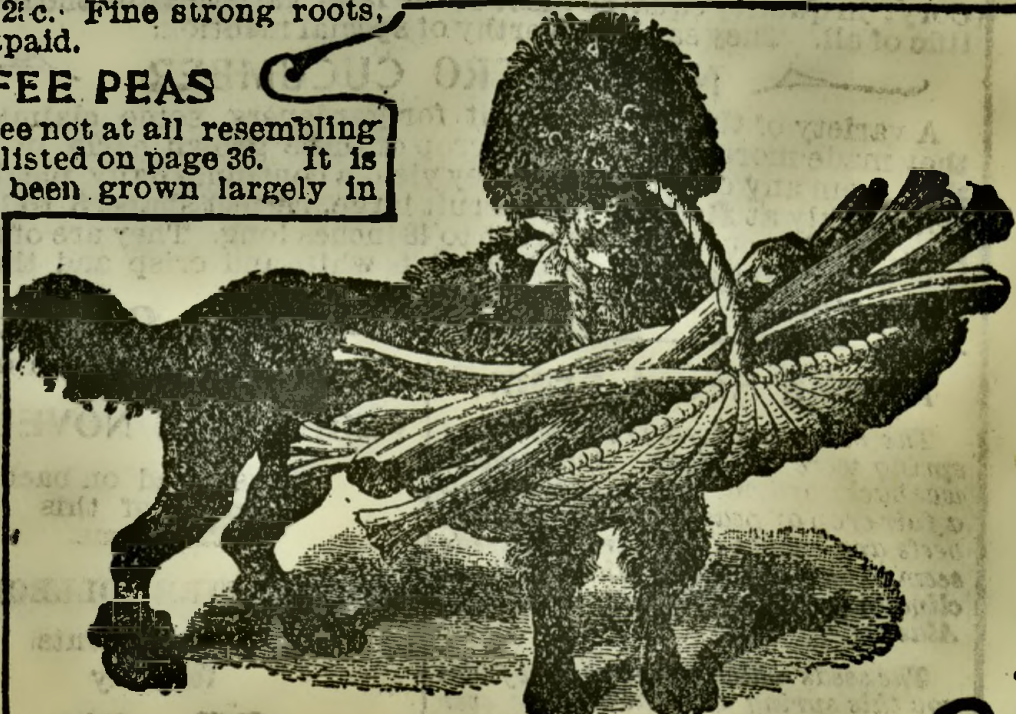


EXTRA EARLY ROUND PURPLE EGG PLANT

twenty-five years ago Dr. Kennicott, of Illinois, in growing roots from seed found one which was so far superior to, and different from all others that he saved it carefully, and the root has been divided and propagated from year to year until finally we purchased the stock. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. The stalks are fully as large, if not larger than the Victoria, and are produced in much greater abundance. Quality is unsurpassed. Pkt. 10c., oz. 25c. Fine strong roots, 25c each, or 4 for 60c postpaid.

## IDAHO COFFEE PEAS

A new substitute for coffee not at all resembling the German Coffee Berry, listed on page 36. It is a native of Idaho and has been grown largely in Colorado and elsewhere, producing immense crops at a low cost, one plant sometimes bearing as many as 1,000 pods. When roasted and ground it has the flavor of coffee. The peas when boiled without roasting are equal to ordinary garden peas and as a fodder plant for feeding live stock it has a high value. Of especial value in the dryer sections of the country, as it is a great drought resisting plant. Per pkt. 5c. ¼ lb. 15c. lb. 45c. 3 lbs. \$1.10 postpaid.



NEW IDEAL MAMMOTH RHUBARB.

## NEW IDEAL MAMMOTH RHUBARB.

The rhubarb (or pie plant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About



## NOVELTY FARM SEEDS.

## BROMUS INERMIS.

Every one now admits that this is the most valuable hay seed which has been introduced into this country during the past 25 years, and it has everywhere, from Canada to Texas, given the best of satisfaction. It has been very highly recommended by the U. S. Agricultural Department and by grass specialists in all parts of the country, has been thoroughly tested and found to adapt itself to a great variety of soils and climates, but is of special value for the prairies of the west and cold regions of the north, where it is largely sown with alfalfa. It will produce a wonderful crop of hay on land which is too poor for clover or timothy, and it resists intense cold, and also the most hot, dry weather. Forms a quick and dense sod either on sandy or stiff clay soils and is a permanent grass which does not kill out with any kind of weather. Grows 18 inches to 36 inches in height and can be cut two or three times per year and is equally desirable as a pasture grass. Has given good results as far south as central Texas. It is very nutritious and greatly liked by all kinds of stock both as hay and pasture. Every farmer and stock raiser should give it a trial. Seed has been sown early in spring using 10 to 25 lbs. per acre. If sown alone, use 12 lbs. with 15 lbs. Alfalfa. Price for best grade seed, per lb. 30c, 3 lbs. 75c, postpaid. By freight per bu. (14 lbs.) \$2.25, 50 lbs. \$8.00; 100 lbs. \$15.00.

## UPLAND RICE.

It is a well known fact that rice forms the principal food of one-half the population of the earth and it is far more of a staple the world over than wheat, rye or corn. While it has been grown to a limited extent in South Carolina for a number of years, still in 1886 there was imported into the U. S. over 250,000 bushels to supply the demand and that is about the usual import. During the past few years the people of the U. S. have awakened to the immense possibilities of this crop, and some Des Moines men who have started rice plantations in the south have mined money with wonderful rapidity. One man after paying all the expenses incident on starting a new place, cleared \$15,000.00 on 10 acres, the first year. The main expense in growing rice has been the necessity of irrigating or flooding the land. This cools the land, retards the growth and makes it impossible to grow rice in the northern states. We now offer our customers an early variety which can be grown on any ordinary land, although it prefers a moist situation, and has matured in Illinois. In an ordinarily favorable season it will yield 20 to 40 bushels per acre, or fully as much as wheat, and it will yield 80 bushels per acre. Its growth is similar to wheat. Ordinary rice is sown broadcast, 1 to 8 bushels per acre, but the Upland Rice requires only one peck per acre. Sow early in spring in drills 2 feet apart and drop the seeds one inch apart in drills, covering about 1/2 inch. It stood out very heavily. In China, Japan, Ceylon, India and other densely populated countries, it is found to be very much cheaper food than wheat or any other grain, but in this country it has always brought a high price. If this variety proves to be as generally successful as we now believe, it will revolutionize the market, and thousands of acres will be devoted to the crop. We have only a limited supply of this year, but we want every farmer to try it, and have therefore decided to not sell more than one peck to any person. Select a good place to sow it and prepare to supply your neighbors with seed next year at a good profit. Price per packet 10c, 4 lb. 35c; 1 lb. 6c; 3 lbs. \$1.00, postpaid. By express or freight 1/4 peck \$1.00; peck (11 pounds) \$2.00. Order Early.

## SPILTZ OR SPLIT.

A most wonderful new grain which was introduced by us and we are sure will prove of great value. For centuries past it has been grown in a limited way in eastern Russia near the Caspian Sea, its value not being known to the civilized world. Nine years ago an emigrant from there brought some to this country, and it yielded more than either barley or oats. It is of high value for feeding and will make a fair grade of flour somewhat similar to rye. Will grow well and produce immense crops on poor soil and dry weather appears to have no effect on it. Botanically it is known as *Triticum Spitzia* and is supposed to be the grain grown in Egypt in the time of Moses. It is mentioned several times in the Bible. It has given splendid satisfaction to our customers and every farmer should try it. Per large pkt. 5c, lb. 30c, 3 lbs. 75c, by mail, postpaid. By freight per pk. 50c, lb. \$2.00; 3 lbs. more \$1.75.

Sept. 12—1 am well pleased with the Spitzia purchased from you and all my neighbors want seed of it.—C. A. Ponder, Haverlock, Ont.

## ZEA.

A Japanese variety of corn with striped leaves. It produces a wonderful crop of fodder. Seed very scarce this year. Per pkt. 10c.

## JAPANESE MILLET.

A distinct new variety, which is very highly recommended by the experiment stations for green fodder and the silo. It grows 6 to 8 feet high and produces an immense crop, especially on moist rich soils. Sow 15 lbs. per acre. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. \$1.00, lb. (48 lbs.) \$3.50.

## GIANT SPURRY.

Spurry is an annual plant, extensively cultivated in Europe as a winter pasture for cattle and sheep. It grows so well on poor, dry, sandy soil that it has been called "the clover of sandy land." It is of very rapid growth and is sown the latter part of March and in April or May at the rate of 10 pounds per acre. It wanted for hay. The seed is sown broadcast, and covered lightly by harrowing. It germinates quickly and in 6 or 8 weeks is ready to cut. It is usually cut for hay the first time, and pastured afterwards for the rest of the summer. Per pkt. 5c, lb. 30c, 3 lbs. 75c. By freight 10 lbs. (will sow one) \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.75.

## HAYNES' PEDIGREE WHEAT.

We cannot too highly recommend this grand new variety as being the best kind of spring wheat in existence and are sure it will please everyone who tries it. It was originated by Mr. L. H. Haynes, who has spent eight years in selecting and improving it in his garden, each year choosing all the largest and best heads and discarding all the balance. This continued selection has had the effect of improving it in vigor, size of head and quality. For the past few years he has been growing it as a farm crop, taking the greatest pains each season to keep it strictly pure and by going through the heads and removing everything that was not of ideal quality, he now has a variety which is sure to please all wheat growers. The heads are very large and well filled out, the kernel is hard, the plant stands greatly, and, under ordinarily favorable conditions, will yield 40 to 50 bushels per acre. It is an improvement on Blue Stem wheat, but fully five days earlier in maturing. We most highly recommend this variety to customers everywhere in the wheat growing belt, and are sure that it will greatly please them in every respect. Per pk. 55c, bushel \$2.00, 2 bushels or more at \$1.85.

I was much pleased with Haynes' Pedigree Blue Stem Wheat last year. The weather was very unfavorable for small grain, but it yielded nearly double the crop that my other wheat did and of much better quality.—George Ruben, Dickinson county, Iowa.

## TRY SPILTZ.

Emil Shuman, of Sherman Co., Neb., says: "I tested your new grain called Spitz this year, and though we had a very dry summer, it did well. It stood out heavily; each kernel produced 23 to 45 sprouts and every sprout had a nice head averaging three inches in length. It was the greatest stiff and I do not think it will lodge even on rich soil and is a heavy yielder."





# FIVE CORN WONDERS FOR 1901.

## PROFIT CORN.

The most profitable corn for any farmer who has live stock to feed. We introduced this grand new variety and it gave excellent satisfaction everywhere. It originated from a carefully prepared cross of two well known sorts on the farm of a seed grower in Madison county Iowa, which is the county that produced our now world famous Iowa Gold Mine. For nearly 20 years this corn has been bred up until now it is claimed to be **The Heaviest, most solid ear of any variety in existence, and of good size.**

**It ain't a Handsome Corn, but it's Got Money in it.**

The color of the surface of ears is variegated from light sulphur to bright orange, being agreeably diversified, making it particularly striking in appearance. With some this might be an objection if they desire to sell it in the ear, but when shelled it looks quite uniform in color as the variation is simply in color of the cap or top of grain. The purpose of the originator was to fix a type of field corn. For Profit, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of **SHELLED CORN** (not cobs) maturing in a reasonably short time, and of the best quality. Ears of large size, grain is very deep, cob small and dries out rapidly thus making it a sure cropper. The corn is so solid on cob that the kernels appear as if driven in and it shells out immensely. Will produce a larger crop on poor soil than any variety we know of and with good culture will astonish everybody. It is the corn to plant and we want all our customers to try it. You cannot get it elsewhere as we are not wholesaling in this season. Order early as our stock is limited.

Per pk. 50 lb. 25c, 3 lbs. 80c. 7 lbs. (sufficient for one acre), \$1.00, by mail or express prepaid. By freight, per 1/4 pk. 40c, pk. 75c, bu. \$2.25, 2 bu. or more at \$2.00.

Your Profit Corn proved to be a great growth resister. Every stalk had a good ear, while other varieties of corn yielded but very little. If I had planted my fifty acres with Profit, even at your high price as I thought for seed, I would be many dollars ahead on my crop. — C. C. Beckett, Webster county, Neb.

## NEW CENTURY WONDER CORN

A most wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one ear is each ear not planted. It stands like winter wheat, producing 10 to 20 stalks from each seed. There are frequently 3 to 7 ears to the stalk, being 8 to 10 inches long, and of the most clear snowy white color. It is of excellent quality when used on the table like sweet corn, yielding, of course, a much larger crop and when dry and ground makes the clearest, finest, whitest meal you ever saw. It will rise like wheat flour and can be used in bread, biscuits, pies and cakes, and is therefore sometimes called Flour Corn. Yields 100 to 150 bushels per acre. The IOWA STATE REGISTER in its Farm Department says:

*This wonderful corn which was grown about four miles northwest of Des Moines, grows 10 to 12 feet high, produces 8 to 7 ears on a stalk and 10 to 20 stalks to the hill from one grain of seed planted. The ears are about 10 inches long and it yields 100 bushels on half an acre. It makes the finest of stock food when cut for fodder and produces many times as much as ordinary corn.* We believe this corn will prove of great value everywhere for use as sweet corn, to grind into meal, to feed hogs, cattle and horses and as a fodder plant. Plant early as it requires the whole season to mature in this latitude.

**A CORRELATION.**—A crop of wheat is considered a fair yield if it produces ten-fold or ten bushels to each bushel sown. The New Century Wonder is not surpassed with ten-fold, a hundred-fold, a thousand-fold or ten thousand-fold, but it is claimed that in a field you can find hills grown from one kernel which bear 20,000 to 40,000 kernels. Of course the entire crop will not average that, but it is wonderful, just think of it, 40,000 to 1. If we had wheat that was that productive you could afford to pay \$1,000.00 per bushel for the seed and make money from the investment the first year. Seed has been sold here at \$1.00 per pint and is cheap at that when you consider its wonderful character, but we want everyone to try it and have made a low price. Don't fail to plant at least a small patch, and thus obtain plenty of seed of your own growing for another year. Per pk. 10c, 1/4 lb. 5c, lb. 40c, 3 lbs. (will plant one acre), \$1.00 postpaid. By freight 1/4 pk. 75c, pk. \$1.25.

## WONDERFUL PRE-HISTORIC CORN.

Several years ago we were offered this variety by a corn grower who claimed that it was "grown from some kernels of corn which were discovered buried in sealed vessels far under ground where it had lain 3,000 years." We did not believe it, therefore did not "bite" and it was sold to an eastern seed dealer who has advertised it largely. The corn is mainly of most peculiar dark brown color and looks "mummy-like" which probably gave the introducer the clue to the fairy tale which he has woven to fit it. Although it will never become a profitable market variety still it has some very good points which will induce stock farmers to plant it. Per pk. 5c, lb. 30c, 3 lbs. 75c, postpaid.

## GIANT CUZCO CORN.

A most strange and curious corn from Peru, with kernels of truly mammoth size, as shown in our illustration, each one being as large as 4 to 10 kernels of ordinary field corn. It will cause wonder and astonishment of every one who sees it. It is quite late in maturing and therefore should be started early in pots in the house. In transplanting be careful not to disturb the roots. Our cut shows an ordinary kernel of corn besides the Giant Cuzco. It is a great novelty. Sold only in packets of 10 seeds for 10 cents.

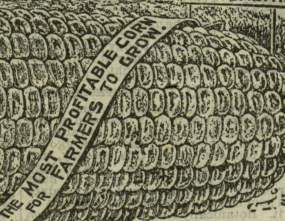
### GIANT CUZCO.

Your Early Longfellow Dent Corn has done first class with me and it is perfectly safe corn to plant in this latitude. — J. D. Wheaton, Lyon Co., Ia. I will plant most of my crop next year with your Longfellow Dent Corn as it proved so satisfactory this season. — A. A. Wagner, O'Brien Co., Iowa.

I was much pleased with your Profit Corn this season as it gave an exceedingly large yield. — J. H. Ludington, Ashabula county, Ohio.

Your Farmers' Reliance proved to be a very fine corn and I was much pleased with it. — W. A. Whitmer, Clinton county, Iowa.

SURE ROAD TO WEALTH.



IOWA SEED CO.'S PROFIT CORN.

## PRIMITIVE or HUSK CORN.

It is from this wild variety that all of our cultivated sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Some stalks bear as many as 20 ears. You will be interested in it. Large pk. 10c.

**FILL YOUR CORN CRIBS WITH PROFIT CORN**  
And your pocket book with money.

Make Your Live Stock Happy  
By feeding first class corn.  
Be the First in your locality to plant Profit Corn and supply your neighbors with seed next year.

There's Money in it.



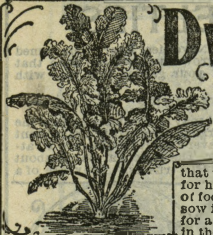
PRIMITIVE or HUSK CORN.

The New Century Wonder Corn made a prodigious growth this season and a few bushels of very nice ears, though the crop was greatly damaged by high water. I was also very much pleased with your Farmers' Reliance Corn. — Wm. Heister, Dallas county, Iowa.



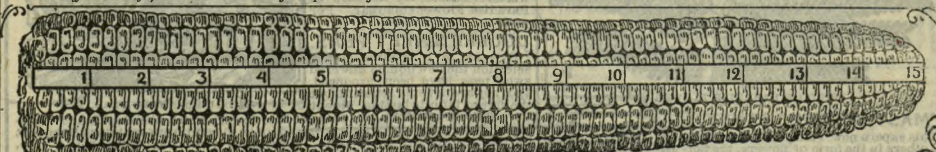
# Dwarf Essex Rape

MOST POPULAR FORAGE PLANT IN EXISTENCE.



ANOTHER year has added wonderfully to the popularity of Dwarf Essex Rape, and, although it is of comparatively recent introduction into this country, it has proved to be the most valuable Forage Plant in existence for many sections of the country. It is easily grown everywhere, can be sown early in the season to provide early pasture for sheep and swine; or sown in small grain a week or so before cutting to provide pasture after harvest; or sown on the stubble; but it is usually sown in June, July or August with corn or potatoes, or on well prepared land alone for summer and fall pasture. Makes a wonderfully productive pasture for **SHEEP, HORSES or CATTLE**, one acre being sufficient for 30 to 40 sheep and lambs for two months, and they gain flesh so rapidly that they soon "weigh like lead." While it is the ideal food for sheep, still it is of equal value for hogs and cattle, as they are very fond of it, and is extremely cheap, having yielded 3½ tons of fodder from ¼ acre. Its soil is rich and clean sow broadcast, but on most land it will pay to sow in drills and cultivate once or twice to keep down weeds. Dwarf Essex Rape is well adapted for a catch crop where other crops have from any reason failed, as it makes most of its growth late in the season. Sow 5 lbs. per acre broadcast. Our stock is the **TRUE DWARF ESSEX IMPROVED** in the season. Beware of low prices on rape seed this year, as some unscrupulous dealers last year substituted German Rape which can be sold at less than half the price, but it goes quickly to seed and is worthless for forage purposes. Every one of our customers was pleased last year. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid everywhere. By freight, 5 lbs. 8c, 10 lbs. 8c, 25 lbs. 95c. Ask for particulars on growing rape, or detailed free of value and interest to stockmen.

Alex Scott, Paulina, Iowa, says: "I was much pleased with all the seeds purchased from you last year and especially the Dwarf Essex Rape. I sowed it in two different ways; both did well and my sheep and hogs like it and thrive on it."



## EARLY LONGFELLOW DENT CORN.

THERE is no telling when we will have a short season and early killing frost in the fall, and in such a case farmers who have their fields planted with early maturing varieties are very fortunate. The trouble with most extra early sorts, however, is that they are too small and "rubbly," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 11 or 12 inches. Its peculiar shape, which is different from any other sort, suggested the name. It matures fully as early as Pride of the North, is double the size and yields a far larger crop, which is ripe and hard before there is a thought of frost, thus making a variety that will pay to "lie to stalks" are of medium size and are not easily blown down. Grain is not as deep as some of our other varieties, but it is the corn of corns for selling on the market, as a wagon load of it is as pretty as a picture. We recommend it highly to customers in Wisconsin, Iowa, Minnesota, the Dakotas and other northern states, feeling sure that it will please everyone. Order early as there is sure to be a great demand. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, per pk. 65c, bu. \$2.00, 2 bus. or more, \$1.75.

Nov. 17, 1902.—I was much pleased with your Early Longfellow Dent Corn this year. It was very early and yielded more bushels per acre than either of the other three varieties of corn that I grew. The ears were long and filled out and soft in the middle. I consider it an exceptionally good one for feeding hogs and prefer it to the deep grained sorts which are more apt to mildew. It also shells out better than one would expect from the looks of the ear, and is the easiest corn to husk I have ever grown.—T. J. Lee.

The Longfellow Dent Corn is a No. 1 variety and it did remarkably well for me. The seed bought of you produced large, heavy ears, weighing 1½ pounds.—John Osborn, Meeker county, Minn.

## PENCILLARIA. (Pencilaria.)

A wonderful forage plant of great value to all stock farmers. It is unexcelled if equaled for its quick growth, immense size and splendid quality. The seed is small, about one-eighth the size of a grain of wheat; it should be planted about the first of May, and will grow and stool and tiller out surprisingly fast, our colored illustration showing a plant grown from one seed which had 43 stalks. Its growth is truly luxuriant, the broad foliage resembling corn leaves and if allowed to develop will attain a height of 12 to 14 feet and bears cylindrical heads from 12 to 20 inches long, close set with thousands of tiny seeds, which are greatly relished by poultry.

crop of this when nearing maturity looks like a field of giant timothy 12 to 15 feet high. The usual way of growing it, however, is to mow the crop when 8 or 6 feet high, and it will immediately start again and can be mowed 4 to 6 times during the season. If allowed to grow until the flower heads begin to develop before cutting, it will yield the heaviest crop of any fodder plant we know of, and it is greatly relished by all kinds of stock either in its green or dry state. Sow seed very thinly in drills 24 to 36 inches apart. Every farmer, and in fact everyone who has a cow, a horse or hogs should try it if they wish to grow an immense crop of fodder cheaply on a small amount of ground. Per pkt. 10c, ¼ lb. 50c, lb. \$1.50.



PENCILLARIA.

## IRISH VICTOR OATS.

A GRAND NOVELTY IN OATS.—It is probably known to but few farmers that almost all the new varieties of oats originate either in Scotland, Northern Ireland, or New Zealand, and it is to these countries that we are obliged to look for improved sorts. The Irish Victor, brought over from Ireland four years ago, has proved superior to all other sorts grown in the same section, in vigor of growth, stiffness of straw and productiveness. Last season we sold about 2,000 bushels and everywhere it gave the best satisfaction and growers claim their fields were the most productive ever seen. The straw is very stiff, holding the heavy heads up well. It is fully as early as the Lincoln and yields more than that very productive variety. The grains are large, plump and heavy. Plant grows to medium height, of vigorous growth, stools out exceptionally well, is free from rust and yields an immense crop. Better put in a field of them this year and not only secure a larger crop than you have been in the habit of growing, but be prepared to supply your neighbors with seed as a good price. They will all want it. Per lb. 25c, 3 lbs. 50c, postpaid. By freight pk. 40c, bu. \$1.00, 2 bu. or more \$ .90c, 10 bu. or more \$ .80c.

## IMPROVED DIGNITY MANGEL BEET.

We presume, not ten per cent of the farmers have ever tried Mangels as in a small way. We will admit that it may take as much work to grow one acre of Mangels as to grow four acres of corn, but they will yield TWENTY TIMES AS MUCH AS CORN, an ordinary crop being 1000 to 1500 bushels per acre, and our Improved Dignity, under favorable circumstances, will yield more than 2000 BUSHELS PER ACRE. Roots grow to immense size. Not only are they of gigantic size but they are smooth and of remarkably fine shape, have a fine texture and quality. Nothing surpasses them in feeding value for cows, as they are nutritious and increase the flow of milk. Hogs eat them greedily and it is claimed they are a preventative of hog cholera. They are the cheapest of all foods. L. C. Johnson says that he grew only half an acre last year and after selling \$30.00 worth to a neighboring dairyman he had sufficient left to feed four cows all winter. They are easily grown and we will send to each customer if desired a circular giving full directions for growing, harvesting, storing and feeding. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c, postpaid. By express 5 lbs. \$2.00, 10 lbs. \$3.50.

IRISH VICTOR OATS.

**\$25.00 PRIZE** WE WILL PAY \$25.00 CASH FOR THE HEAVIEST MANGEL GROWN FROM OUR SEED THIS YEAR. REPORT TO BE SENT IN BY OCTOBER 15. TRY FOR IT.



## FLORAL NOVELTIES.

This year we devote four pages to Flower Seed Novelties. Every item named here is desirable. Most of them are very easily grown and we are sure that they will give satisfaction. Why not beautify your garden this year with some of these floral gems?

### BIRD OF PARADISE FLOWER.

This plant properly known as *Poinciana Gillett* may be considered one of the wonders of nature as it is of such curious and strange form. It is a rare plant and we presume but few of our customers have ever seen it in bloom. It attained much renown on our place last summer. The flowers are large, about 2½ inches in diameter and are produced in very large trusses. They are of a

rich golden yellow color, but the most attractive part is the large pistils which are of beautiful bright crimson color and spread out in fan-shape. The foliage is highly decorative, similar to a very delicate Acanth. If the seed is started early, it will produce a profusion of blooms the first year. If you love the beautiful and are interested in the rare and curious works of nature, try the Bird of Paradise Flower this year. Per packet, of 10 seeds 10c.

### DOUBLE SWEET PEAS.

By years of hybridization and selection the new double flowered sweet peas have been produced and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed

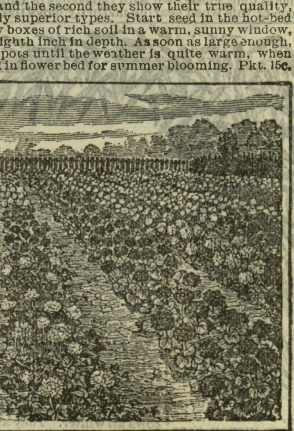


DOUBLE SWEET PEAS.

produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Be sure to try them. Pkt. 5c, oz. 15c. 4 lb. 35c.

### GOOD VENTURE GERANIUM.

Yes, you can grow good Geraniums from seed, and as they sport the gardener is frequently rewarded by charming new varieties, and may obtain a novelty of much value, especially if this new strain of seed is used. When visiting the fields of a geranium specialist in California, we noticed one lot of several hundred plants which were particularly fine. The grower was hybridizing these for seed, and we made arrangements at once for the stock, paying more than a dozen times what ordinarily good seed would cost us. The plants from which seed was saved were the finest varieties from all parts of the world, including some particularly choice novelties as yet unnamed. They are GIANT FLOWERING, the florets being round and of most perfect form and borne in splendid trusses, some of them forming balls of such immense size that we fear to state size lest our customers will think we are exaggerating. The colors are all shades of crimson, scarlet, salmon, pink, rose, snowy white and the new aureole types with beautiful veining, shadings, edgings and clear eyes. If seed is sown early they will make fine flowering plants the first summer, and the second they show their true quality, and greatly superior types. Start seed in the hot-bed or shallow boxes of rich soil in a warm, sunny window, covering only one-eighth inch in depth. As soon as large enough, transplant to small pots until the weather is quite warm, when they may be planted in flower bed for summer blooming. Pkt. 15c.



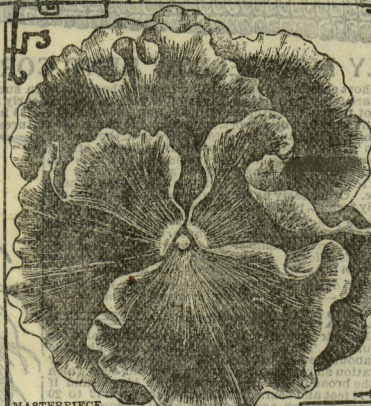
OUR FIELD OF GOOD VENTURE GERANIUMS.

### "MASTERPIECE" PANSY.

This superb new Pansy is distinct from all others in the form of flowers, the border of every petal being conspicuously undulated and curled, as shown by our illustration. The flowers are extremely large and nearly all of them exhibit this peculiarity. The curled petals give the flowers a fuller and more globular appearance than those of other classes of Pansy, and when seen in nature it appears to be a DOUBLE PANSY. This new class is remarkable also for the wonderful combinations of color which it shows, including some tints hitherto unknown in Pansies. The plants are very vigorous and bloom profusely. Per pkt. 20 cts.

### EARLY DAWN MIXED COSMOS.

This was introduced by us four years ago, and it jumped at once into popularity on account of its extreme earliness, coming into bloom in about two months from time of sowing and continuing until destroyed by frost. The flowers are a little smaller than the late kind. Plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers which are produced on long stems, and are very desirable for bouquets, as they will last a week after cutting. Well worthy of a trial by all who wish a free blooming plant of the easiest culture. Mixed colors. Per pkt. 5c.



MASTERPIECE PANSY.

### MAMMOTH BROWALLIA.

This new sort is without doubt the most beautiful of all the Browallias. The plants grow only about a foot high, form dense little bushes, which are covered with an abundance of the most delightful sky-blue flowers, much larger than those of the other varieties. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Per pkt. 10c.

### BLUE SOLANUM.

The most beautiful perennial vine of rapid growth. The handsomely cut foliage makes a beautiful shade for porch or arbor, and is also desirable to train along fences, etc. It is covered during the summer months with hundreds of clusters of blue flowers, set off with golden stamens. Perfectly hardy. Flowers succeeded by scarlet berries. Per pkt. 10c. Plants 25c. each.

### BLUE BELLS.

Who has not heard of the "Bonnie Blue Bells of Scotland," which have been renowned in poetry and song for centuries past? The flowers are bell-shaped, and a bright, sky-blue color, from four to ten flowers in a cluster. A perfectly hardy perennial. Pkt. 10c.



MAMMOTH FLOWERED BROWALLIA.



## CHINESE LANTERN PLANT.

Or Uiant Scarlet Ground Cherry.

A remarkable novelty which is being widely advertised under various names, but its botanical name is *Physalis Franchetii*. The plant grows to a height of 18 to 24 inches, of sturdy, upright growth and is loaded with balloon-like husks 3 to 3½ inches in diameter. These husks are at first light green, gradually turning to bright yellow and then to the most intense orange scarlet. At this period of growth the plant is strikingly suggestive of being hung with hundreds of miniature Chinese lanterns, as the bright scarlet husks have the appearance of lights in the midst of the green foliage. Inside of these husks is the fruit, which is of a deep, ruby red color and of excellent flavor either as a fresh fruit for dessert or preserving or dried in sugar for fruit cakes or puddings. It is a perennial, the roots living over winter in the ground and producing a far better crop the second year. Does better on rather poor soil. Per pkt. 10c. Strong plants 10c each. 3 for 25c, doz. 75c.

## FAIRY ROSES.

These little beauties are very easily grown from seed. The roses are only about an inch across, usually very double, but occasionally semi-double and seldom single; they are borne in large clusters and are of many colors. What is most remarkable these Fairy Roses grow only 10 to 15 inches high and commence blooming in a few weeks after the seed is sown, and continue year after year in uninterrupted profusion from May until frost. Also nice for pot plants for winter blooming. Pkt 10c.

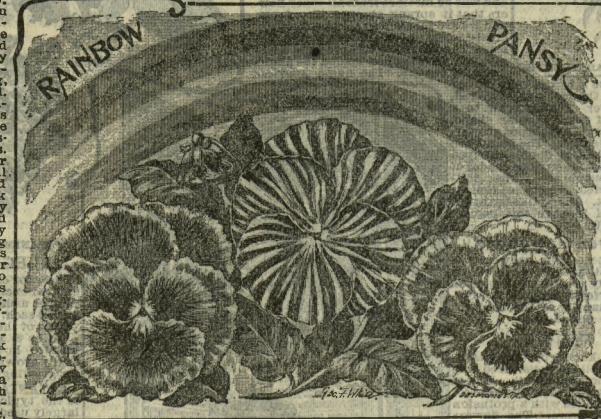
## NEW RAINBOW PANSIES.

The best novelty in Pansies and certainly the most charming variety ever sent out. We have given it the name of New Rainbow, and consider it appropriate owing to its beautiful iridescent colors. Our illustration shows three of the leading types of this mixture by which you will see the various styles of variegation, but no illustration can do justice to its superior beauty. There is almost an endless variety of colors comprising all shades of blue, purple, crimson, brown, white, yellow, pink, red and black, all beautifully marked, striped, veined, blotched and margined. The colors are much more beautiful than any painter could depict. In a good sized bed you could readily find 100 different varieties, but not one poor or inferior one. The flowers are of large size and perfect form, nearly circular, and most of them have a very rich, velvety appearance. They will both astonish and delight "pansy fanciers." Packet of 100 seeds 25c. Large, strong plants of the Rainbow Pansy at 60c per doz. postpaid.

FAIRY ROSES.

## ORIENTAL BEAUTIES. DIANTHUS.

A magnificent strain of large flowering Dianthus Pinks which are from South Japan and are most exquisitely formed, the petals being full, overlapping, crinkled and fringed. The flowers are of unusual size, 3 to 4 inches in diameter, and the petals sometimes measure 1½ inches across. They range in color from white through all the shades of pink and crimson to a rich, dark maroon and beautifully striped, blotched, veined and spotted in a very dainty and charming manner. The flowers possess that peculiar and artistic charm so noticeable in all plants from the Flowery Kingdom. They are perfectly hardy and perpetual bloomers, needing only to be cut back every few weeks to produce an abundant new crop of flowers. It is a decided novelty which everyone will be delighted with. Pkt 10c.



## CURIOUS CACTI.

Almost everyone who keeps house plants likes to have a few nice Cacti plants with them. We were never so impressed with the beauty and great variety of these curious plants and delicately lovely flowers as when traveling in the southern and western states. The seed we furnish is collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico as well as some foreign varieties and mixed together. Easily grown from seed planted in a box of clean sand, water well after sowing, and but very little if any afterward. Cover with glass till well started. Per pkt. 10c.

## AFRICAN WATER LILIES.

Nothing in the floral world has created so much interest among lovers of rare plants as these gorgeous red, white and blue Water Lilies, and when it becomes generally known how easily they can be grown everybody who loves choice flowers can have a tank or tub of water will have them. They are easily grown and bloom in three or four months from the time of sowing seed. For persons who have no pond, half a barrel sunk in the ground is a nice receptacle to grow them in. Full directions for starting seeds and growing plants are sent with each packet. We can furnish either red, white or blue varieties at 10c per packet. One packet each of the three colors for 25c.

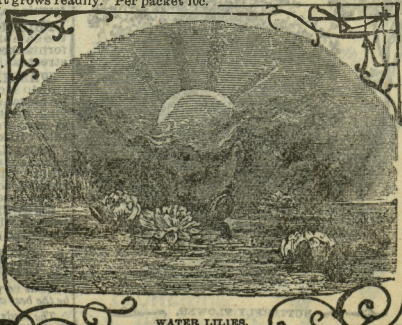
## CHINESE HORN NUTS.

A large and most singular appearing nut, resembling buffalo horns, which is known botanically as *Trapa Nutans*. It is a native of China, and is largely used as a food there and in some parts of southern Europe. It is a swamp plant, and will grow well in a jar of water. An ordinary glass fruit jar will do. The nuts sprout in about ten days, and their growth is very interesting and rapid, and sometimes they produce quite pretty flowers. Can be grown in an aquarium. These nuts have been sold at the World's Fair and elsewhere at 10 cts. to 25 cts. each. We offer them in pkts. of 4 nuts for 15 cents.

doubt has for many years existed as to what plant was adopted as the national emblem of Ireland, more than twenty varieties being known under that name in different portions of that country. After careful investigation and consultation with prominent horticulturists, it was decided that *Trifolium minus* is the original Shamrock. It is very scarce, and was supposed to be extinct until a few years ago when a few plants of the original variety sprang up from soil which had recently been plowed for the first time in one hundred years or more. We have secured some of the seed from Ireland, believing that every Irish family will want to sow a little of it in their garden to awaken patriotic feelings. Plant it on St. Patrick's day if weather is favorable. It grows readily. Per packet 10c.

## THE IRISH SHAMROCK.

An editorial in the *Irish World* says that the national emblem of Ireland, more than twenty varieties being known under that name in different portions of that country. After careful investigation and consultation with prominent horticulturists, it was decided that *Trifolium minus* is the original Shamrock. It is very scarce, and was supposed to be extinct until a few years ago when a few plants of the original variety sprang up from soil which had recently been plowed for the first time in one hundred years or more. We have secured some of the seed from Ireland, believing that every Irish family will want to sow a little of it in their garden to awaken patriotic feelings. Plant it on St. Patrick's day if weather is favorable. It grows readily. Per packet 10c.



CHINESE HORN NUT.

WATER LILIES.



### NEW IMPERIAL JAPANESE MORNING GLORIES.

Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong robust growth. The vines grow quickly to a height of 12 to 20 feet. The flowers are of gigantic size, sometimes measuring four to five inches across. The colors of the flowers, shadings and markings are really wonders of nature, of such incomparable beauty that descriptions are inadequate. Some flowers are of deep, rich velvety tones, others more faintly tinted and shaded than an artist's brush could portray. The colors range through reds from soft rose to crimson, bronze and garnet maroon; from faintest light blue to ultra marine and indigo and blackish purple; from snow white to cream and silvery gray; some are striped, starred and spotted. Pinch back the vines so as to let them grow only four to six feet high, and they will produce more flowers. Choicest double and single mixed. Pkt. 8c, oz. 25c.

### AMERICAN BANNER LARKSPUR.

The handsomest flower in the entire catalogue. It originated on our grounds and was so distinct from all other flowers that it sprang at once into favor, and we are furnishing seed to the principal dealers in this country and Europe. The illustration represents a single stem showing how loaded the plants are with flowers. The name *American*

### AMERICAN BANNER LARKSPUR.

*Banner* was given it because it is the only flower we know of that combines the national colors, red, white and blue in each flower. Plants grow to a height of about two feet, of good, regular shape, with delicate, fern-like foliage, a vigorous grower, and is not injured by dry weather. The plants are fairly loaded with long spikes of double, striped and blotched flowers, having the various shades of pink, carmine, dark blue, purple and white, delicately and beautifully blended, sometimes four or five shades on a single foret. If you like beautiful and rare flowers do not fail to have this gem of the floral kingdom. Pkt. 10c.

### American Improved Hollyhock.

For several years past one of our growers has been selecting the choicest plants, those which were of most healthy, sturdy growth and produced the largest number of perfectly double flowers. He has this year saved a quantity of the seed for us and we offer it at 7 cents per packet.

### BUTTERFLY FLOWER.

This elegant little annual known by the botanical name *Schizanthus* may well be considered one of our prettiest summer blooming plants. It is of the easiest culture, growing quickly from seed of excellent bushy form, and loaded with a profusion of rich and various colored flowers. The flowers frequently resemble butterflies, and are as beautiful and curious as expensive orchids. It is also a valuable plant for growing in the house during winter. Per pkt. 5c.



### JAPANESE MORNING GLORIES

#### ELEGANT PALMS.

These for centuries have been considered exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some cases fine plants of the rarer sorts brought as high as \$1,500.00 each. It is now known, however, that they are easily grown from seed. Directions for growing printed on the packet.

**LATANIA BORBONICA.**—This is the typical palm, and is more largely used than any other. Its strong, healthy habit commends it to all and gives it a fitness for window and room culture not possessed in the same degree perhaps by any other. It is the *Chinese Fan Palm*, from which the palm leaf fans of commerce are made. Per pkt. of 6 seeds 10c.

**CHAMEROPS EXCELSA.**—From southern China and Japan. Very hardy. One of the very best plants for house culture in cool climates. Per pkt. of 10 seeds 10c.

### LATANIA BORBONICA PALM.

forming a fine specimen, standing ill usage remarkably well. Per pkt. of 10 seeds 10c.

**PHOENIX DACTYLIFERA.**—A native of northern Africa. This is the palm from which the date of commerce is obtained. Beautiful for pot culture, and very hardy. In California these trees are hardy and thousands of them from 10 to 40 feet high border the streets as shade trees. Per pkt. of 10 seeds 10c.

**WASHINGTONIA FILIFERA.**—This is one of the best window palms needing no potting to succeed. Stands stout, dry air and lack of sunshine, and is very ornamental, with its elegant fan-shaped leaves of a rich, dark, leathery green. Plumes usually fringed with long, thread-like filaments along the segments of the leaves. The plant is a compact grower, well adapted to pot culture, succeeding in any situation, and with any treatment that will keep a geranium alive. Per pkt. of 12 seeds 15c.

**BANANA PALM.**—(*Musa Esneida*).—One of the grandest and most picturesque of the banana family. As a solitary plant or in groups on the lawn, it has a majestic tropical effect. The leaves are very long and broad, of a beautiful green, with crimson midrib in striking contrast. An occasional application of liquid manure, and frequent watering, are necessary. The rapidity of its growth is astonishing. Per pkt. of 3 seeds 10c.

**UMBRELLA PALM.**—(*Cyperus*).—One of the most desirable semi-aquatic plants in existence, will do well with the same treatment as a geranium, in pots or the open ground. See description on page 86. Per pkt. of 100 seeds 10c.

One packet each of the above six varieties for 40c.

Plants of the *Latania Palm* 25c, each postpaid. Larger plants \$1.00 to \$5.00 each, by express not prepaid.

### A GRAND OFFER:—

I was very much pleased with the seed bought of the Iowa Seed Co. last year. They proved to be the best and cheapest and I send my order again this year.—Martha Taylor, Rosie, Ark.

The seeds we received from you for the two years were excellent.—Doretha Thomas, Ala., Neb.

### BUTTERFLY FLOWER.



## NEW DOUBLE CALLIOPSIS.

Everyone who knows the old fashioned single Calliopsis or Coreopsis loves it, as it is one of the most showy flowers for bedding, and the colors are so brilliant that the popular name, "Bright Eyes," has been given them. It has for many years been a great favorite with thousands of flower lovers. What will you say now to having a new double Calliopsis? We know that you will be delighted with it as it is one of the most attractive and beautiful flowers in existence. They are very early from seed, blooming in a few weeks after seed is sown, and if flowers are removed as they begin to fade the plants will be loaded with bloom throughout the summer and fall, and until severe freezing weather. Our illustration shows a plant covered with flowers, and a single flower. In color it is brightest golden yellow, almost a dazzling hue, distinctly marked, striped and blotched, with rich dark brown or maroon, having a very velvety appearance. It is not only a showy bedding plant but the cut flowers are of great value for bouquets, retaining their freshness for a long time after cutting. In some of the flowers the petals are smooth and lie flat, some are cup shaped, and others are beautifully fringed. Per pkt. 10c.

## CHAMELEON CHRYSANTHEMUM.

This was the most popular novelty throughout Europe last year, and one which is sure to please flower lovers. It is a new and entirely distinct type of this showy garden annual, producing very large single flowers of changeable colors. When they first open the black purple centre is surrounded with a yellow ring, which is again zoned with crimson, while the outer margin of the flower is of a coppery bronze color. In a few days the copper shade gradually changes to yellow. A continuous bloomer. Per pkt. 8c.

## GIANT VARIEVED SALPIGLOSSIS.

A new mammoth flowered variety which is quite an improvement on the older sorts. It forms only one leading stem, which is a new and entirely new growth as thick as one's finger and bears on its end a bouquet of the most beautiful flowers. Every one of them is veined with gold, and they are much larger than those of the old type. The throat is wide and short which gives the flower a rounder appearance. It is a free and continuous bloomer the whole summer and fall and everyone will be more than pleased with it. Per pkt. 10c.

## HOHENZOLLERN ASTER.

A grand new pure white variety from Germany. Plant is of bushy habit, nice for beds. Flowers are borne on very long stems, frequently 15 to 18 inches in length, and are of pure white color and extraordinary size, measuring 6 or 7 inches in diameter. As will be noticed by illustration on back cover of this catalogue, the petals are long, curled and twisted, making a beautiful ball of white. Per pkt. 10c.

## NICOTIANA SYLVESTRIS.

This is one of the handsomest of ornamental plants. It grows from four to six feet high, is of beautiful pyramidal form. The foliage is large and handsome. The flowers are pure white, star-shaped and have tubes about 6 inches long; they are produced with the greatest freedom and are sweet-scented. They are handsome ornaments in any garden. Per pkt. 10c.

## CLEOME SPECIOSA.

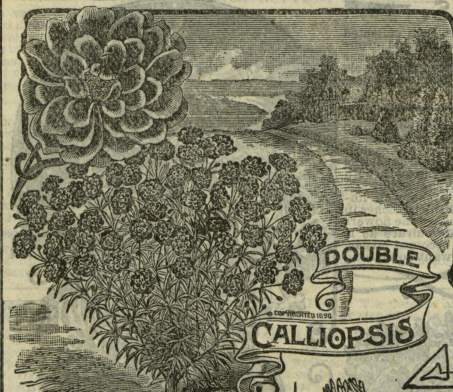
An improvement on the Cleome Pungens or Giant Spider Plant. It is a robust grower and perpetual bloomer, bearing very showy large flowers. Per pkt. 5c.

## GIANT CARMINE COMET ASTER.

A grand new variety of sturdy, vigorous growth and bearing numerous beautiful large flowers about 4 1/2 inches in diameter, of a beautiful deep carmine color. Per pkt. 10c.

## QUADRICOLOR STRIPED MAIZE.

An improvement on the variety listed on page 65, the striping being more distinct and showing four and sometimes five distinct colors. Per pkt. 6c; oz. 15c.



## ROCKY MOUNTAIN FLOWERS

Our mixture contains a great number of varieties of the flowers from the Rockies, and embraces many of the beautiful specimens which thrive and bloom in great profusion on the barren mountain sides. Per pkt. 10c.

## TEA ROSE.

We do not recommend sowing seed to obtain tea roses as it pays better to buy the plants. However it is from the seed that all our varieties are obtained, as it does not come true to name, and we presume some of our customers will want to try growing a novelty. You may raise a valuable one or they may prove worthless. We can furnish nice seed at 5c per pkt., 6 for 25c.

## CHAMELEON NASTURTIUM.

CLIMBING.—An extra choice new variety which is truly remarkable and distinct in that the plant produces a variety of flowers, thus from the same plant can be picked blooms of bright yellow, others which are deep crimson, others striped, splashed, blotched, margined and blushed. This is a truly marvelous contrast and produces a most charming effect. Plant is a vigorous climber, rapidly covering a trellis, or can be left to trail on the ground if preferred. Flowers are much larger than the Dwarf Chameleon which we have listed for several years past, and we recommend it most highly. Per pkt. 10c; oz. 30c.

## NEW GIANT FLOWERED ANTIRRHINUM.

A great improvement on the old snapdragon as it is commonly called, being of truly immense size, deliciously fragrant and of superior colors containing all shades known in this class. Per pkt. 10c.

## BLACK PRINCE ANTIRRHINUM.

A handsome new variety which has attracted much attention in Europe. It is of a deep purple black color almost coal black. It is difficult to describe and must be seen to be appreciated. Per pkt. 10c.

## CENTAUREA AMERICANA ALBA.

A beautiful new pure white variety of exceptional value for cutting. Per pkt. 10c.

## GOLDEN WEST ESCHSCHOLTZIA.

This giant flower ranges from 3 1/2 to 6 inches across, with wide overlapping petals often delicately waved at the edge. It is of a rich golden yellow color, some specimens having a dark orange blotch in the center. Per pkt. 10c.

## PRINCESS HELEN DOLICHOS.

One of the prettiest climbers. Of very rapid growth, and it will grow to a height of 15 feet by midsummer. The flowers which appear in great numbers, are snow-white, sweet-scented and are followed by cream-colored pods which hang to the plants until late in the fall. Per pkt. 10c.

## EXCELSIOR BRANCHING SUNFLOWER.

This new plant caused great attention in Europe last year, being known there as *H. Cucumerifolius Grandiflorus*. It has a single flower about 5 inches across producing a pyramid of bloom. Per pkt. 10c.

## NEW MAMMOTH HELIOTROPE.

This most wonderful new Heliotrope ranges through all shades of violet and blue to deep indigo, frequently producing flower-heads almost white, which are more than twice the size of the old varieties, many of the heads measuring (when fully expanded) 10 to 12 inches across. The fragrance is simply lovely. Easily grown from seed, which should be started early in the house, and from a single packet, a large number of strong, healthy plants are produced, which would cost 10 to 25 cents each at the florist's. Per packet of 100 seeds, 10 cents.

## NEW JAPANESE PINKS.

Every flower lover will be delighted with this new mixture. Per pkt. 10c.



CHAMELEON CHRYSANTHEMUM.





## Flower Plant Novelties.

This year we offer many valuable novelties in flower plants which have been collected from various parts of the world and thoroughly tested in our own greenhouses and on our trial grounds. Descriptions were carefully made from nature and we are sure all will please our customers. In our general list, on pages 79 to 92, will also be found many valuable novelties in this line. Plant orders should amount to at least 25 cents. You may select plants amounting to \$1.25 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00, postpaid.

### NIGHT BLOOMING JASMINE.

World famous deliciously fragrant Night Blooming Jasmine (or Jessamine) about which poets have sung and over which tourists in its native land, (Chill), have gone into ecstasies and yet how few, comparatively, in our own country have ever seen it. It is of the easiest culture and still somewhat difficult for the ordinary florist to propagate and perhaps this is the reason why they are not better known. It is a plant of strong shrubby growth with handsome glossy green foliage and bears an immense number of small star-shaped flowers. One plant on our place this year had at one time fully 3000 flowers, and you can well imagine that it was a grand sight, as the plant was about three feet high, and thirty inches in diameter. The delightful fragrance is dispensed only at night and this makes the flowers of great value for ladies' wear. It is specially adapted to house and window culture as it begins to bloom when very small and continues to blossom freely as it becomes larger. Also does well in a partly shaded place. Don't fail to try it, ladies, if you want something nice. It will please you. Each 35c, 3 for \$1.00.

### NEW JUBILEE ROSE.

One of the finest rose novelties which has ever been introduced. It is a perfectly hardy Hybrid Perpetual, blooming in the fall as well as in the early summer; very vigorous, large, dark green foliage, and branches freely; and blooms most abundantly three flowers and over on each shoot, the ideal habit for a hardy garden rose. The flowers are very large, reaching 4 inches across under good culture, and they last a long time out. The buds are long and rounded. The fragrance is strong, rich and lasting. Color is of most deep rich velvety crimson, glowing warmth of color, hard to describe. The popularity of the rose will be still further enhanced by its introduction. One of the beautiful novelties. Each 15c.



NEW GERANIUM CHAMELEON



and glowing pink imaginable. The shape of the bud is full and pointed, while the rose as it expands seems to grow more and more beautiful, the tinting growing more pronounced as it approaches the center, while the petals curl and expand in a bewildering manner. Its fragrance is delicious, (that is the only word which will do). A vigorous, sturdy grower and free bloomer. Each 15c, 4 for 50c.

### The New Hardy Variegated Rose - ROGER LAMBERLIN.

One of the most remarkable Roses yet offered. The petals are irregular on the edges like a double Petunia; the color is glowing crimson throughout, except the edges of the petals, which are all distinctly marked with a white band, forming sharp contrast and the most unique combination of colors known in Roses. The growth is free and vigorous, and the fragrance is delightful, equalling the finest of the hardy Roses. This is a "novelty" of the most striking order. Each 50c, 3 for \$1.50.

### VARIEGATED SWEET ALYSSUM.

A charming little novelty, the flower having all the sweet grace and beauty of the common Sweet Alyssum, being pure white and produced in numerous spikes which cover the plant. Quite fragrant. It has the further advantage of beautifully variegated green and white foliage, forming a decorative at all times for borders, bedding or pot culture. Each 10c, doz. 90c.

### PRINCESS PAULINE AGERATUM.

A most distinct and novel variety of dwarf compact habit, rarely exceeding five inches in height, its peculiarity being that both colors, blue and white, are combined in the same flower. This pretty variegation gives the flower a most charming appearance, and it is one of the most distinct and beautiful new bedding plants now on the market. It is free-flowering the entire season and very bright and pretty. Each 10c.

### RUSSELLIA JUNCEA.

A rare plant, suitable either for garden or pot culture, and requiring the same treatment as a geranium. It produces numerous long, wiry stems and branches the flowers are borne in wonderful profusion during most of the year. A magnificent novelty which will please those who admire trailing plants. Each 15c.



NIGHT BLOOMING JASMINE. CHAMELEON

This charming novelty was first sent out a number of years ago, but owing to its being sold out of propagation the stock was nearly lost, and it has not been prominently offered recently. Our stock is not large this year, but we hope to have sufficient to supply the demand. When first introduced it sold at \$5.00 per plant. It is what might be called a "sport" or " freak" of nature, as it is quite erratic in its growth as shown by our illustration. Some flowers are red, some white, some pinkish salmon, and some clearly striped with the three colors. Frequently one plant will have on it flowers of all these colors at the same time. Other plants will bloom for months showing only one of the colors, then suddenly change to some other hue. It is a free bloomer, bearing many trusses of large single flowers. The name Chameleon was suggested by its peculiar manner of changing color. Every one who grows Geraniums, and that means almost everybody, should try it. Each 25c.

### PRESIDENT CARNOT ROSE.

A magnificent new Hybrid Tea Rose, which we consider one of the daintiest and most charming roses in cultivation. Its color is a soft, creamy fawn, overlaid with the most delicate shade of pink. As the rose expands it discloses a heart of the most exquisite blending of cream



VARIEGATED SWEET ALYSSUM.



**ALASKA CARNATION.**

This variety is beyond doubt the most beautiful white variety in existence. Our cut shows its peculiar form. As will be noticed the petals are fringed in a delicately regular manner and curves inwards thus helping the large double flower to appear still more double. The flower is of enormous size, perfect form, has good firm calyx and is of pure snowy white. Blooms freely. Is also of special value for winter blooming in the house. A strong, vigorous, erect grower and promises to become very popular. Each 15c.

**BLACK CALLA.—(Solomon's Lily.)**

This is the wonderful Black Lily of Palestine. The flowers are large, sometimes a foot long and of velvety black. The bulbs are from near Jerusalem, making each one a souvenir of the Holy Land. Each 30c.

**CAREX JAPONICA.**

A first class novelty and an excellent plant for house and table decorations; forms a mass of erect-growing, fine spray-like foliage, gracefully drooping gracefully from the center. The delicate dark green leaves are beautifully edged, as with a band of gold. Each 15c.

**CLARA BEDMAN SALVIA.**

A dwarf, early and very free blooming variety, the plants appearing to be almost completely hidden by the mass of brilliant scarlet flowers. Fine for rows or borders. Each 10c.

**GRAPE MYRTLE.**

A handsome free flowering half-hardy shrub from India. The flowers are of very curious shape and about two inches in diameter. Color rich pink. Each 15c.

**DOUBLE NEW LIFE GERANIUM.**

A great novelty in the plant line. The sensation which the Single New Life Geranium created when introduced in England is well remembered. The *Double New Life*, as may be judged from our illustration, is a much greater sensational departure in every way. The outer florets are large of a brilliant red. In the center of these appears another semi-double floret, a pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This very novel geranium was lately sent out in England by subscription at a fabulous price. Last year it was almost impossible to supply the demand. Don't fail to have it if you like rare, beautiful flowers. Each 15c.

**AMPELOPSIS SAULI**

A novelty in the Ampelopsis, which is a much more rapid grower than almost any other sort and has handsome foliage, but we do not think it will prove as hardy for the far north. It is very desirable. Each 10 cts.

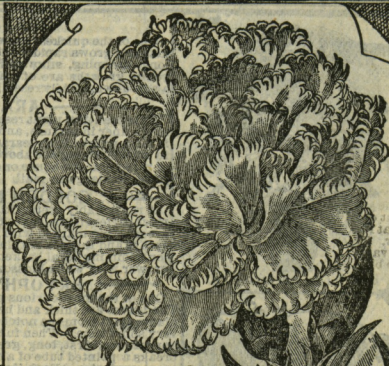
**GLORIE 'de LORRAINE BEGONIA.**

This grand variety makes graceful plants about one foot high, foliage regular and of bright green; the plant is loaded with rose-colored flowers of great beauty, remaining for many weeks without fading and borne in large drooping panicles. It flowers from October to May in greenhouse, or sitting room window. Each 35c.

DOUBLE NEW LIFE GERANIUM.

**This Bouvardia Is a Beauty. Try it.**

ALFRED NEUNER BOUVARDIA.



ALASKA CARNATION.

**LION'S TAIL.**

A strong vigorous plant which bears numerous curious flowers in the winter. Each 15c.

**PONDEROSA or American Wonder****LEMON.**

A novelty which has been largely advertised in the east and it is really a desirable pot plant of tropical appearance and bearing profusely. The immense fruit, weighing sometimes 8 to 4 pounds each, or about ten times as large as an ordinary lemon. It is a true ever-bearing sort, a good sized plant showing fruit in all stages of development, from the open flower to ripe lemons. Blossoms are waxy white like a tuberose and as fragrant as orange blossoms. Wonderfully attractive. Each 20c.

**PARIS DAISIES.**

**WHITE.**—A French improvement on the old White Marguerite which has for years been so popular. Is of much larger size and will produce ten times as many flowers. Each 10c.

**YELLOW.**—Similar to the above, but of a very pretty canary yellow color. Blooms freely and continuously if flowers are cut frequently. Each 10c.

**BLUE.**—A strikingly beautiful flowering plant, producing an abundance of clear sky blue flowers. Plants are fairly loaded with the flowers which are very desirable for cutting. Each 10c.

**RESURRECTION PLANT.**

A curiosity. Looks like a ball of dried moss, but when dropped into a bowl of tepid water, it quickly opens out into a beautiful fern-like plant. Each 10c, 3 for 25c.

**ALFRED NEUNER BOUVARDIA.**

This magnificent and showy plant is the ideal Bouvardia. It is a stout, erect, strong grower, making charming shaped plants, producing great clusters of the most beautiful, waxy, double, pure white flowers, resembling bunches of miniature tuberose. It blooms well during the summer beginning early in July, but its greatest value is for winter flowering. Some consider it the best of all winter blooming plants. They are quite rare and will attract attention anywhere. Each 20c.

**We Ship Plants Everywhere.**—The plants arrived by mail to-day in good condition.—*Pedro D. L. Santos, Saltillo, Mexico.*

Plants came in fine condition.—*Mrs. R. S. Chaffee, Springfield, Mass.*  
Plants received in perfect order and I am much pleased with them.—*Wm. E. Foss, South Berwick, Maine.*



**GREVILLEA, or SILK OAK.**

One of the quickest growing of ornamental house plants. It is easy to manage, grows rapidly and is pretty in all its stages of growth. With its long, drooping, silky foliage, it reminds one of a palm or fern. The young growths are of a light bronze color, the tips being covered with a soft down, closely resembling raw silk. Each 10c.

**ARAUCARIA EXCELSA.**

This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green feathery foliage arranged in whorls, rising one above the other at regular distances, makes it a plant of rare value for house or conservatory decoration. Must be sent by express, too large to mail. Each \$1.00, \$2.00 and \$3.00.

**GOLDEN LEAVED HONEYSUCKLE.**

A remarkably pretty little vine bearing a great number of sprays of the most perfect little leaves that are covered with a network of gold and green, often marked with pink also. The gold deepens at the tip of the sprays and there is nothing finer to combine with corsage bouquets, while for trimming floral baskets they are the finest thing we know of. A strong grower with white blossoms. A unique vine. Each 1c.

**BRYOPHYLLUM. (Sprouting Leaf.)**

One of the most curious plants it has ever been our privilege to grow. The leaves are thick and heavy. When cut and placed in moist soil little plants start from the notches in them, and make very strong plants in a very short time. When in bloom it presents a very odd and interesting appearance. First, long green, red-striped pods are formed, through this breaks a pointed tube of a dull red shade. The blooms are produced in great profusion. Each 15c.

**COUNTESS LOUISE ERODY BEGONIA.**

This variety is sometimes called "Snail Begonia" on account of the peculiar formation of the leaves. The form is exceedingly odd and unique. The striking peculiarity which distinguishes it from all other Begonias consists in the fact that the two lobes at the base of the leaf do not grow side by side, but one of them winds in a spiral like way until a full grown leaf there are four of these twists lying on top of the leaf nearly two inches high. The leaf has a metallic lustre, dark silvery in the center, shading to coppery rose toward the margin, which is broadly and evenly edged with the same hue, but darker and more brilliant. Very curious. Each 25c.

**NEW VARIEGATED MYRTLE.**

Every one knows and loves the old fashioned Myrtle with its dark green leaves and vine forming a carpet. It has always been a favorite for cemetery planting and its bright blue flowers peak up to say "good morning" to the passerby. This charming new variety has the same characteristics, but the foliage is beautifully variegated with pure white, thus making it very showy and "taking." It is the plant of plants for cemetery use, and bound to be a favorite. It decided novelty, for which they had the eastern florists would doubtless ask 50c, but we have propagated a good stock and offer plants at 15c. each, doz. \$1.25.

**DOUBLE NASTURTIUM.**

Did you ever see one? Very few people have, but we have a fine lot of them this year and are offering them at a low price. It is a most charming novelty which is really difficult to properly describe. The flowers are large and fully double like a Camellia or Rose which gives them a very different appearance from any others. They have rich spicy fragrance and are of a rich dark orange crimson with shading of deep mahogany red. It is not a "freak" with a few small insignificant flowers, but a really good double flower, 2 to 2½ inches across, which will instantly attract the attention of every one who sees them. Plant is a strong vigorous grower of climbing habit, and fine for trellises, window boxes, vases, etc. It is a constant bloomer all summer and fall, and if taken in the house is an excellent winter bloomer also. Never produces seed. Our cut was made from a flower left on the plant out doors very late in the season and does not do justice to it as the flower is usually so double that the petals lay flat and overlap each other. Each 15c, 4 for 50c.

**CHENILLE PLANT. (Acalypha Sanderii.)**

A most striking ornamental plant. It is a native of the South Sea Islands, of rapid growth and blooms continuously. The plant is of branching habit, healthy foliage and the flower spikes which appear in pairs from the axils of the leaves, grow from two to three feet in length. They are of brighter crimson color, drooping and mixing among the green foliage with charming effect. It will be extensively used as a pot plant. You will find it a most unique and sensational bedding plant on the lawn or borders. Do not plant too close together or too near others or its striking effect will be lessened. Can be lifted and in the house and make a fine show in the house during the winter. We offer strong well established plants at 25c each, 5 for \$1.00.

**THE BABY PRIMROSE. (Primula Forbest.)**

It is a wonderfully free-blooming plant, commencing to flower as soon as born. It forms a dense rosette of somewhat fleshy leaves, from which sprout the flowering stems, twelve, fifteen and even twenty inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy-lilac, with eye of pale gold. The flowers are not more than a half an inch in diameter, but they are produced in such great abundance that a few plants present a dense mass of bloom from September until June. As a pot plant it cannot be surpassed, as it is a vigorous grower and thrives either in shade or sunshine. Each 10c.

**AUREOLE GERANIUM.**

*Mad. Brunt.*—A fancy flowered sort, remarkable colors, quite distinct and almost startling in effect, no other variety equalling it for bedding. Plant is loaded with blooms and each flower is large, center being white, beautifully veined with carmine and radiating into a handsome aureole, each petal being bordered with bright solferino. A fine pot plant and constant bloomer. Es. 10c



GREVILLEA, OR SILK OAK.



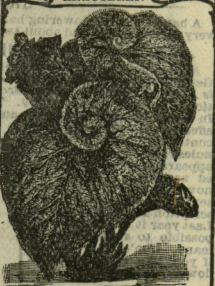
BRYOPHYLLUM

Double  
Nasturtium.

BABY PRIMROSE.



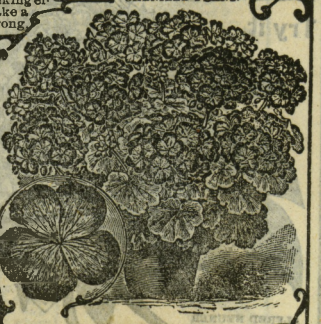
ARAUCARIA.



LOUISE ERODODY BEGONIA.



CHENILLE PLANT.



AUREOLE GERANIUM.



## ABUTILON SAVITZI.

One of the most beautiful new variegated-leaved plants in existence. Its large, maple-like leaves are almost white, being blotched here and there only with clear, bright green, a most charming contrast, heightened still more by the very large, orange, bell-shaped flowers with which the plant is always covered. This is one of our best novelties, both for a pot plant in the house and for bedding out, as it retains its variegation in the hottest sun. It is most admirably adapted as a border for Cannas, Geraniums and other taller growing plants. Each 15c, 4 for 50c.

## PEACHBLOW HIBISCUS.

This is one of the finest free flowering plant novelties offered in recent years. It is a "sport" from the double red Hibiscus Rosa-Sinensis; the flowers are double and from four to five inches in diameter; of a charming, rich clear pink color, with a small deep crimson center; an entirely new and most beautiful shade. It blooms abundantly and continuously even on small plants during the entire summer and fall months; may be easily wintered in the house. Large plants, two or three years old, make a magnificent show. It will give great satisfaction to all who grow it, either in pots or planted out in the garden. It is a good winter bloomer. Each 25c.

## PLUMBAGO CAPENSIS.

No plant in our greenhouse has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. South of Central Missouri they are hardy in the open ground, and make desirable garden plants. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as Geraniums. In fact few pot plants can be found that will prove so easy to manage, and furnish such an abundance of exceedingly handsome flowers. They are of a rare shade of light azure blue. Each 10c.

## LADY LARPERT PLUMBAGO.

This beautiful variety has pleased all who have planted it and it has achieved great popularity. It is unquestionably one of the most distinct and valuable hardy herbaceous plants now in cultivation. The plants are strong, upright in habit, growing to a height of twelve to fifteen inches in compact clumps; and from the middle of July until severe frosts are covered with lovely rich, violet blue-colored flowers borne in close terminal heads. The foliage is finely serrated and fringing the stems. Each 10c.

## BLUE BEAUTY GERANIUM.

Ornamental Novelty and a New Color.

Each year we import many European novelties for testing on our trial grounds and among others we received a number of new geraniums some of which were unnamed. We were surprised to find among the number a new color heretofore



BLUE BEAUTY GERANIUM.

unknown in geraniums, being of a most beautiful violet or purplish crimson with a blue sheen over the surface. The flower is double and the three upper outside petals have a spot of clear vermilion near the base which makes the flower more brilliant. Out of one hundred varieties of geraniums on our place this year there was none which approached it in color. It is a vigorous grower and free bloomer even during the driest summer weather. The blue tint shows better after flower is fully out. Each 25c.

## UNIQUE LILY OF THE VALLEY.

When on our annual trip among our seed growers we noticed in an out-of-the-way place a cluster of Lily of the Valley which was of most beautiful and unique appearance. The flowers were as large and fully as numerous as any other variety, while the leaves are dark green handsomely striped with broad bands of pure white. Lily of the Valley is one of the most beautiful flowers in existence and would be very popular were it not that they are in bloom for such a short time and during the balance of the year the bed is not very ornamental. This new variety makes a charming bed at all seasons of the year. Each 10c, per doz. \$1.00.

## ANTHERICUM PICTURATUM.

One of the finest decorative plants for vases or baskets and as a pot plant it will enrich any collection. The long leaves are deep green broadly striped with pure white thus giving it a splendid effect. It is a strong, vigorous, rapid grower and bears many long spikes of small, star-like flowers which are very pretty and attractive. Sometimes small plants will be produced on these flower stems which exhibit mainly on the nodules in the atmosphere and this gives the plant a peculiar and unique appearance. Each 15c.

UNIQUE LILY OF THE VALLEY.



PEACHBLOW HIBISCUS.

## PANSIES.

Our plants are strong and well grown from choice seed. All varieties mixed. Doz. 35c, 3 doz. \$1.00.

## ROYAL EXHIBITION PANSIES.

The plants here offered are grown from our own choicest strain of seed procured from the world's greatest Pansy specialists and for size of bloom, richness of coloring and texture will be found unapproached by any other strain. Extra strong plants, wintered over from last fall, 60c per doz., 2 doz. for \$1.50.

## CRIMSON VELVET PLANT.

(Gaura Aurantiaca.)

This is one of the rarest and most beautiful foliage plants in cultivation. Of very robust and branching growth, yet remains dwarf and compact. The leaves and stems are entirely covered with minute hairs, which reflect the new and beautiful shades of colors—such as orange, crimson, purple, blue, green—a veritable kaleidoscope, changing its hues with every movement of the foliage, which appears thick and long lasting. It is so strangely beautiful that flowers seem superfluous, yet they are produced in brilliant orange clusters. Desirable for pot culture, vases or bedding. Each 25c.



ANTHERICUM

PICTURATUM



**NEW DOUBLE ABUTILON.**

Our cut well shows a leaf and flower of the new double flowering (*Abutilon* *sonit plena*) Abutilon. Instead of a single bell-shaped bloom like all other kinds, this has a perfectly double flower resembling a double hollyhock in form and of rich deep orange color shaded and streaked with crimson. Foliage handsomely variegated. It is a very attractive plant which should be in every collection and we recommend it highly. Each 15c.

**ASPARAGUS SPRENGERI.**

Also called Emerald Feather and Abyssinian Parlor Fern.

This is considered one of the handsomest and most valuable plants for house and conservatory culture ever introduced. It is especially desirable for pots, vases, baskets, etc.; covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely, and are very useful for bouquets, wreaths, and all kinds of floral decoration. It makes a charming ornamental plant for the window or conservatory in winter, and is equally as valuable for vases, baskets and porch boxes in summer. It is a strong, vigorous plant, very easily grown, requires but little care, bears cutting well, and keeps on growing fresh and green the whole year. White, delicately scented flowers. Each 5c.

**ASPARAGUS SPRENGERI.****ROYAL PURPLE STROBILANTHE.**

An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush 18 inches high, with leaves 6 to 9 inches long; of a beautiful, metallic purple, shading into light rose, with a light green margin, a combination unapproached by any other plant. The flowers are violet blue, borne in immense racemes. Each 15c.

**PEPPERMINT GERANIUM.**

This is a rare variety of scented geranium, and in fact few would think that it belonged to this class of plants. Plant is of trailing, spreading habit, soon covering a large space. Leaves large, thick, velvety and have an appearance as if covered with minute hairs of grayish green color. Has a refreshing peppermint fragrance. Every one will be pleased with it. Each 25c.

**MUSK PLANT.**

Many persons are fond of the musk odor though it is not as much used for perfume as it was 25 years ago. This is the true Musk Plant and has a refreshing, delightful fragrance which becomes quite strong and pervading when the leaves are rubbed. It is a pretty little plant and of much value for pot culture and bedding. Flowers yellow. Each 10c.

**NEW DOUBLE ABUTILON. WEEPING LANTANA.**

Our illustration gives some idea of this charming New Weeping Lantana when planted in baskets, vases or pots, for which it is particularly recommended, but it is, if possible, more beautiful still when bedded out. The plant is a neat, handsome grower, producing a great abundance of leafy vines, which cover the ground with their pretty foliage, and bear such an immense profusion of lovely, clear pink flowers that the whole bed seems a sheet of rosy bloom from early summer till late fall. The flowers are borne in elegant clusters. Each 15c.

**EGYPTIAN PAPYRUS.**

This fine plant which is frequently called the "Egyptian Paper Plant," is decidedly the most elegant, graceful and stately of all the decorative reeds. It is an aquatic in its native country, growing in low, swampy ground or shallow water, but it does well with ordinary culture. It somewhat resembles the Cyperus or Umbrella Palm, but the stems are crowned with tufts of fine grass-like foliage which droops gracefully around the stem. Each 15c. for 100.

**PHAEASANT'S BREAST ALOE.**

A truly valuable decorative plant of very slow growth and will always bring a high price. Frequently sells at \$3.00 to \$4.00 each. We offer nice plants in two sizes at 25c and 50c each respectively.

**THE BOSTON FERN. — *Nephrolepis Bostoniensis*.**

This is a wonderfully healthy, rapid growing and graceful house plant. It has been in great demand everywhere. Many people buy it in preference to the finest Palms or Rubber Plants. Its long, broad fronds are more graceful than the old Sword Fern and seem to grow faster. Thrives in all rooms, gas or furnace heat does not seem to injure it. It is one of the most beautiful and useful of house plants. Its of easy culture and its sword-like fronds, on large specimens, attain a length of five to six feet, produced in a bewildering mass, arching, curving, and interlacing in every conceivable direction. Each 15c.

**WM. LANGGUTH GERANIUM.**

This new silver-leaved geranium is one of the handsomest varieties which has been brought out for many years. The plants of short stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band so that it is handsome even when not in bloom. It is however the most free flowering of any fancy foliaged variety and, just think of it, *the flowers are double*, and this makes it a decided novelty. Clusters are extra large and of bright red color, show magnificently against the white foliage. Each 25c, \$1 for 100c.

WM. LANGGUTH GERANIUM

THE BOSTON FERN.





## OUR STOCK.

Of vegetable seeds we are sure cannot be excelled either in quality or selection by any firm in the country. We exercise the greatest care in watching our growing crops, and secure the best growers to produce for us those varieties which can be grown to greater perfection in other parts of the world, visiting the crop during the growing season to make sure that it has been kept isolated and is pure and true to name. In this department will be found only such varieties as have proved after years of trial the best adapted to the soil and climate of Iowa and the central states. Every kind is recommended to our customers. When the selection is left to us we will send such sorts as we know will do well in your locality. Our packets are, we believe, as well filled as any reliable seed dealer's in the United States, and, in fact, a comparison has shown that they contain more seed, on the average, than those of any other firm whose packets we have secured. We pay the postage at these prices, except on Beans, Peas and Corn at the peck or bushel rates.

**NOVELTIES.** A choice list of the best novelties will be found described on the colored pages in the center of this book.

### ARTICHOKE.—Ger. Artischoke.

When traveling along the Pacific Coast last summer we found that this was one of their leading vegetables there. It was found on all the market stalls and is considered a great delicacy. It is a perennial producing the large flower-heads, which are the part eaten, the second season and every year thereafter. The young stalks are also, sometimes tied and blanched like celery, but they are not equal to the flower heads. Cook like asparagus and serve with cream or butter sauce. Sow seed early in hot-beds or box in the house, and when weather becomes settled transplant in rows four feet apart and two feet in the row. When started early it sometimes blooms the first year.

**LARGE GREEN GLOBE.**—The best variety for general use; buds large; scales green, very thick and fleshy. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 50c.

**ARTICHOKE ROOTS.**—These are an entirely different plant from the above and used mainly for stock food. See description and price in Farm Seed Department.

### BRUSSELS SPROUTS.—Ger. Spresen-Kohl.

One ounce will produce about 3,000 plants.  
Of the cabbage family, producing numerous

heads on the stem of most delicious quality, as well as a cabbage-like head at the top. If you have never grown it, try it this year and you will be pleased. Use and cultivation same as winter cabbage. Pkts. contain about 800 seeds.

**AMERICAN MAMMOTH BRUSSELS SPROUTS.**—A new and greatly superior variety of American growth which forms heads ready for picking about three weeks earlier than other varieties. It has the additional merit of making stronger plants and more heads. A profitable crop for market gardeners. Pkt. 10c; oz. 40c.

**ENGLISH.**—Per pkt. 5c, oz. 15c.

### BROCCOLI.—Ger. Broccoli.

One ounce will produce about 5,000 plants.

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

**EARLY PURPLE CAPE.**—A popular sort; heads well and is very hardy. Pkt. 5c, oz. 30c.

**EARLY LARGE WHITE.**—Pkt. 5c, oz. 30c.



LARGE GREEN GLOBE ARTICHOKE.

### ASPARAGUS.—Ger. Spargel.

One ounce will sow forty feet of drill.

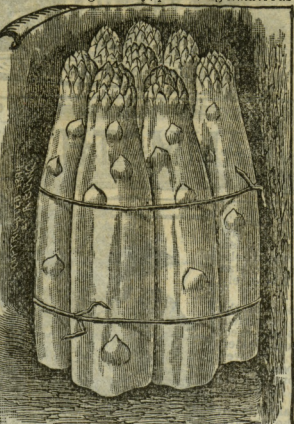
Asparagus is so easily grown and such a large quantity is produced on a small amount of ground that every garden should contain a bed. A bed ten feet square requiring 50 plants will give an abundant supply for any ordinary family. Soak the seed 24 hours in tepid water; sow early in spring, in rows a foot apart; keep clean by frequent weeding and hoeing. Ask for circular giving instructions for making asparagus bed.

**COLUMBIAN MAMMOTH WHITE.**—A new and entirely distinct variety, that produces shoots which are white and stay white as long as fit for use. It is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c, oz. 10c;  $\frac{1}{4}$  lb. 25c, lb. 75c.

**FAIRMETTO.**—Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**CONOVER'S COLOSSAL.**—The standard variety. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 40c.

**ASPARAGUS ROOTS.**—See list of vegetable plants.



COLUMBIAN MAMMOTH WHITE ASPARAGUS.

### BORECOLE, or KALE.—Ger. Blatter-Kohl.

One ounce will produce about 3,000 plants.

A hardier vegetable than cabbage; excellent greens during winter and spring; splendid winter food for poultry. 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.

**EXTRA CURLED MOSBACH.**—Fine crimped leaves; light green color; admirable for garnishing. Best for cooking. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. 11.25.

**DWARF GERMAN GREEN.**—Popular. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 30c, lb. 75c.



EXTRA CURLED MOSBACH KALE.



### PLEASE REMEMBER.

In comparing our prices with those of other dealers that we prepay the postage on all vegetable seeds except on Peas, Beans and Corn at the peck and bushel rates. We also prepay the charges on flower-seeds, flower plants, bulbs and most other goods except where noted.



## BEANS.-Dwarf Bush Varieties.

One quart will sow 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 until danger of frost is past. Keep clean, and do not hill up or hoe when wet. A sandy loam is the best. The half pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Price includes postage. See special prices by the peck or bushel on page 32. Packages contain about two ounces.

**IMPROVED EARLY VALENTINE.**—About ten days earlier than the common Early Valentine. In addition to this, it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening, nearly the whole crop can be taken at one picking, usually within 35 days after sowing. Growth is quite short this year, and while apparently we have sufficient for ordinary demands, still stock may be exhausted late in season. Better order early if you prefer this sort. Pkt. 5c, ¼ pt. 15c, qt. 45c.

**LONG YELLOW SIX WEEKS.**—Very early and prolific; long, green, tender, flat pods matures quickly. Pkt. 5c, ¼ pt. 15c, qt. 35c.

**EARLY REFUGEE, OR THOUSAND TO ONE.**—Most prolific green podded sort, thick and fleshy. Per pkt. 5c, ¼ pt. 12c, qt. 35c.

**STRINGLESS GREEN POD BUSH.**—The only stringless green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long, green pods are absolutely stringless, and when we add that the pods are ready to market two weeks earlier than the best stock of improved extra early Red Valentines, we are sure that Stringless Green Pod will supply a long felt want. It must prove of immense value, not only to the market gardener who wants to make more money, but also to the amateur who seeks a rare quality early for the home table. Per pkt. 5c, ¼ pt. 20c, qt. 60c.

**ROGERS' LIMA WAX.**—A decided novelty. Its bright, glossy foliage and bloom resemble Dwarf Lima. The pods are the broadest of all wax beans, of most excellent quality as snaps and retain their bright and attractive appearance a long time after picking. Has a delicious

Lima flavor. Pkt. 5c, ¼ pt. 20c, qt. 60c.

**IMPROVED GOLDEN WAX.**—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax having larger pods and being much more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods being of dark, rich golden yellow color and of perfect shape. For family or market, you can make no mistake in planting them. Per pkt. 5c, ¼ pt. 15c, qt. 45c.

**SCARLET FLAGOLET WAX.**—This is really one of the most valuable varieties for either private or market garden purposes. It is as early as either the Black or Golden Wax sorts, and has a peculiar value in the fact that it is nearly always exempt from rust. The pods are often a foot in length, exceedingly succulent, stringless and tender. It is an enormously productive variety. Per pkt. 5c, ¼ pt. 15c, qt. 50c.



HENDERSON'S DWARF LIMA

## YOSEMITE MAMMOTH

**YOSEMITE MAMMOTH WAX.**—Pods frequently attain a length of ten to fourteen inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when the pods are fit for use. The pods are a rich golden color and are absolutely stringless, cooking tender and delicious. The cut shows one half of a pod, and exhibits the size and fleshy thickness of this monster wax bean. Extremely productive. Per pkt. 5c, ¼ pt. 20c, qt. 60c.

**BURPEE'S BUSH LIMA.**—A dwarf or bush form of the true large Lima which is of great value. They are perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yielder, each bush bearing from 50 to 100 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Per pkt. 5c, ¼ pt. 15c, qt. 50c.

**LARGE WHITE MARROW.**—Excellent as a shelled bean; cooks in twenty minutes. Grown very largely for the market.

The beans are ivory white and double as large as the Navy. Pkt. 5c, ¼ pt. 12c, qt. 35c.

**EARLY MOHAWK.**—Very early and will stand more cold than most bush varieties. Vines large and stout with very large coarse leaves; will stand a slight frost. This variety is largely grown in the southern states for northern markets. The pods are from 5 to 6 inches long; the seeds, when ripe, drab with purple spots. Pkt. 5c, ¼ pt. 15c, qt. 45c.



EARLY MOHAWK

**CALIFORNIA BRANCH, OR PROLIFIC TREE.**—This is quite a valuable variety for field culture. Grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yields 45 bu. per acre. The beans closely resemble the White Navy. Per pkt. 5c, ¼ pt. 12c, qt. 35c.



BURPEE'S

GREEN POD

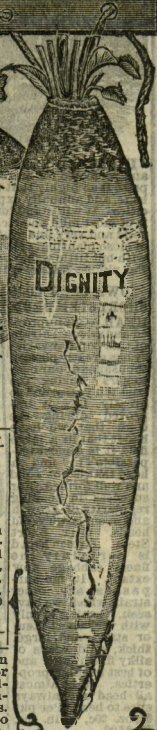
NEW STRINGLESS



# MANGEL & SUGAR BEETS FOR STOCK.



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 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 60¢ to raise an acre of mangels and gather and store them. Thus, for an ordinary yield, is a cost of only five-cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown and they help to keep stock in good condition and free from disease. Dairy-men claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full direction for culture and storing mangels, will be sent on application. Use 5 lbs. seed to an acre.



## Collection of MANGELS

One ounce each of the nine varieties of Mangels and Sugar Beets for 40c.  
 ¼ lb. of each \$1.00.  
 1 lb. of each \$3.00.  
 postpaid, or \$2.40 by express.

A MOST VALUABLE ACQUISITION

A NOVELTY OF STERLING MERIT.

Klein-Wanzleben SUGAR BEET.

**MAMMOTH GOLDEN GIANT.**—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow color. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin. Flesh white, firm and sweet, much liked by cattle. In short, magnificent root, easily lifted from the ground, producing enormous crops. Excellent keeper; yields 40 to 50 tons per acre. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lb. \$1.50.

**CHAMPION YELLOW GLOBE.**—Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine-grained, renders it an excellent keeping variety. Well adapted to shallow soils. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c. By express, not prepaid, 5 lbs. \$1.50.

**RED GLOBE.**—Like the above except color. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.50.

**GOLDEN TANKARD.**—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper, for on account of its shape the roots can be left standing close in rows. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c. By express, not prepaid, 5 lbs. \$1.50.

**KLEIN-WANZLEBEN.**—Also called Diamond Sugar Beet. This variety is cultivated on a larger scale for the beet sugar factories than any other as it yields frequently 15 to 20 per cent of sugar. Root is of shape shown in our illustration, straight, tapering evenly and somewhat screw shape. Our seed is grown in Germany from beets which were tested as to per cent of sugar before setting out. The heavy per cent of sugar makes it also of great value for feeding. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.50.

We will pay \$10.00 cash for the heaviest Mangel or Sugar Beet grown from our seed this year. Report to be sent in by Oct. 15th.

**\$10.00 PRIZE.**

**DIGNITY LONG RED.**—An improvement on the Mammoth Long Red by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; unequalled for yielding and feeding qualities. Grows to a very large size, weighing from 50 lbs. and will yield 50 tons per acre with ordinary good cultivation. Thousands of western farmers have grown our Dignity mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try the Dignity. It is very uniform, smooth, and of good shape. Should be grown on deep, loose soil. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, not prepaid, 5 lbs. \$1.75, 10 lbs. \$3.00.

**VILMORIN'S IMPROVED SUGAR.**—Best and sweetest of the French Sugar Beets. Under average conditions it has yielded 14 tons of roots to the acre, containing about 16 per cent of sugar. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.75.

**DANISH SUGAR BEET.**—An improved strain of the White French Red Top sugar beet which is wonderfully fine for feeding to milch cows and will add greatly to the milk production as well as to its richness. It will yield as much or more than any variety of mangels and we consider it superior to any variety of sugar beet or mangel for feeding. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$2.25.

**LANE'S IMPERIAL SUGAR BEET.**—An improvement on the white French Sugar Beet. Recommended as harder, more productive, yielding 35 to 40 tons per acre. It is much larger than the above varieties and will yield more but is not as sweet, containing only about 8 per cent of sugar. Greatly liked for stock feeding and preferred by some to mangels. Per pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c. By express, 5 lbs. \$1.25.

**This Year** Mangel and Sugar Beet seed is scarce, owing to short crop, but price is not high and it will pay you to put in an acre. Five pounds will be sufficient. You may select one pound each of five sorts at the 5-lb. rate.



## Burpee's Allhead

Early



One ounce of seed will produce about 8,000 plants. Set 8,000 to 10,000 plants to the acre of the early sorts and 6,000 of the large, late kinds.

We pride ourselves on having the best, purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. Compared with the cost of seed, there is more money in growing cabbage than any other crop and there is nothing that growers should be more particular about.

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 to rich manured ground, the early kinds two feet apart. The fall and winter varieties three feet apart. Packets contain about 800 seeds

There was a very short crop of all kinds of cabbage seed this year.

**NEW WASHINGTON WAKEFIELD**—See description with novelties Per pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**BURPEE'S ALL-HEAD EARLY**—At least a week earlier than any of the various strains of early summer cabbage, and fully one-third larger, of perfect shape and the most solid variety on the list. Market gardeners to whom we furnished seed of this have been greatly pleased with it. Originated with C. L. Allen, who has grown cabbage seed for many years for us, but our competitor, Mr. Burpee, was fortunate in securing the entire stock of it the first year of its introduction, and gave it his name. However, we can most heartily recommend it to our customers. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.35.

**IMPROVED DANISH BALLHEAD**—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other cities. It will stand long journeys and keep far into the spring, and is of most mild and rich taste. Heads round as a ball, of good size, solid and very fine grained. Has but few outer leaves, thus admitting of close planting. Medium size and hardest of all, tender and crisp with but little waste heart. Has pleased thousands of our customers. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 85c, lb. \$3.25.

## IOWA SEED CO'S

## SHORT STEM DRUM

**HEAD**—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past ten years, and so greatly has it improved during the time that we have had it that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth and even, large solid heads. Our Short Stem Drum head is certainly the finest cabbage now extant. It far surpasses any other strain which we have seen, ripening evenly with very short stem or stalk, and large, thick, solid heads of silky fine quality and of best keeping properties. It is almost all head and always goes to head. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**NEW  
SHORT STEM DRUMHEAD  
CABBAGE.**

**EXTRA EARLY EXPRESS**—Excels in earliness of other sorts, has but few outside leaves and therefore may be planted very close and yield large crops. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**PERFECTION DRUMHEAD SAVOY**—The Savoy or curly cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. The variety we offer is the finest of the Savoy. Heads large, finely curled and an excellent keeper. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**LUXEMBURG HARD HEAD**—An excellent variety, which is in great favor on the Chicago market, and the seed frequently sells there at \$1.00 per ounce or more. It makes a medium size, very hard head of extraordinary weight. Owing to its remarkable keeping properties, and the fact that the head remains as green as when gathered in the fall, it is king of all cabbage for late spring selling. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.55.

**MARLEHEAD MAMMOTH**—Largest of all; have in some instances grown to a weight of 90 pounds, and the heads of such size that they would not go into a two-bushel basket. Good for exhibition as fair, but too loose headed and uncertain for main crop. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**MAMMOTH RED ROCK**—A market gardeners' strain of unusual size, color and weight. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.55.

**SUREHEAD**—Very reliable in heading, good shape and large size. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**CASE'S EXCELSIOR**—Medium early and not excelled 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. Very popular with our southern customers. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$1.75.

**CABBAGE PLANTS:** See list of Vegetable Plants.

## CABBAGE.

**EARLY JERSEY WAKEFIELD**—Considered by many gardeners the very best early variety. It is of large size for so early a kind, and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is the highest quality—American grown. Crop is very short this year. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$3.00.

**HENDERSON'S EARLY SUMMER**—Ten or twelve days later than the Jersey Wakefield, but much larger in size, and will stand on the ground much longer without bursting open. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.40.

**WINNINGSTADT**—Cone-shaped summer sort; when sown late it is good for fall and even winter. A sure header and good keeper. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 85c, lb. \$1.25.

**ALL SEASONS**—(Vandergaw)—This most excellent variety is as early as Henderson's Summer, and makes considerably larger and harder heads. It is also excellent for planting the thickness of the head making it a capital sort for keeping through the winter. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 80c, lb. \$2.50.

**PREMIUM FLAT DUTCH**—This old and well known variety is still the standard winter kind. Its heads are large and solid; also first-class as a keeper. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**FOTTLER'S IMPROVED BRUNSWICK**—Excellent for summer and fall use. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.



PERFECTION DRUMHEAD SAVOY.



## CELERY. 4 BEST SORTS.

NEW GIANT  
PASCALGOLDEN  
SELF-BLANCHINGWHITE  
PLUMEPINK  
AROMATIC

## CELERY.

One ounce will produce  
about 600 plants.

This we consider one of the luxuries of the garden. For first crop sow the seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering the seed very lightly. For main crop sow seed in open ground in April or as soon as the soil is in good condition. If weather is hot and dry shade with a light covering of hay or straw. Stir soil as soon as plants are well up; thin out and transplant so that they stand about an inch apart in the row. If they grow too rapidly shear the tops off when about 4 or 5 inches high and this will make them grow more stocky. For main crop set plants out between June 15th and July 15th in rows three feet apart and the plants six inches apart in the row. Care should be exercised to firm the earth well around plants when setting and they will root better. 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. Later in the season the blanching process must be finished by digging the soil from between the rows and banking it clear up to the tops on each side of the row of celery. Some labor is saved by growing the self-blanching varieties, but they do not keep quite as well for winter use.

**GOLDEN SELF-BLANCHING.**—This is by far the most popular variety now on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks which blanch easily to a clear waxen yellow. When grown in rich, moist soil the stalks are numerous and large with a solid heart of beautiful yellow. The best grade seed is scarce this year. Pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**NEW PINK AROMATIC.**—This splendid variety which was introduced by us, will, we think, eclipse all other sorts of its class in popularity as soon as it becomes known. It is of most attractive pink and white color. Crisp and tender; fine aromatic, nutty flavor; best for winter; blanches easily. Don't fail to try it. Per pkt. 5c, oz. 30c,  $\frac{1}{4}$  lb. \$1.00, lb. \$3.50.

**HENDERSON'S HALF DWARF.**—Entirely

solid, possessing a rich nutty flavor, while it has much vigor of growth and heavy bunch. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**OLD CELERY SEED.**—For flavoring. Per oz. 5c,  $\frac{1}{4}$  lb. 15c, lb. 40c.

**CELERY PLANTS.**—See Vegetable Plants.

**BOSTON MARKET.**—The leaves are a dark green, the stalks when blanched being nearly white. It is an excellent variety, solid, crisp and tender. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**WHITE PLUME.**—The stalks, portions of the inner leaves and heart are naturally white and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market gardeners. Our seed is of the highest quality and sure to please all. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**GIANT PASCAL.**—Stalks remarkably large, thick, solid, entirely stringless, very crisp and brittle. It is a vigorous grower and is self-blanching, requiring only a few days' earthing up, when the outer stalks present a beautiful clear white appearance. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.75.

**GOLDEN DWARF.**—When blanched, is of a waxy golden-yellow color; the stalks are cylindrical in shape and most solid and crisp in quality, and one of the best keeping of Celeries. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**CELERIAC, or Turnip-Rooted.**

Grown exclusively for its roots, which are turnip-shaped, smooth and tender. The roots are cooked and sliced; used with vinegar they make an excellent salad, also used for flavoring soups. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.70.



## GROUND CHERRY.

TURNIP-ROOTED CELERY.

**IMPROVED YELLOW.**—Another year adds only to the popularity of this already popular little fruit which we introduced, 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 almost any dry soil; are easier raised than the tomato, and are prolific bearers, and oh! what luscious fruit! For sauce they are excellent, and for pies nothing can equal them for taste and flavor. They are delicious as preserves, and when dried in sugar are much better than raisins for cakes and puddings, and they will keep in the shack, if put in a cool place, nearly all winter. No one after raising them once, will ever make a garden again without devoting a portion to the Ground Cherry. Per pkt. 5c,  $\frac{1}{4}$  oz. 25c, oz. 40c.

**PURPLE HUSK TOMATO.**—This fruit is quite popular in some places. The plants produce handsome purple fruit in great abundance, which are from one to two inches in diameter and enveloped in a husk similar to the yellow Ground Cherry. Per pkt. 5c,  $\frac{1}{4}$  oz. 25c, oz. 40c.

**PINK GARB, ET.**—Also called Chinese Lantern Plant. This is a very popular novelty and has proven quite satisfactory in some parts of this country. Per pkt. 10c.

**COLLECTION.**—One packet each of the three Ground Cherries for only 15c.

IMPROVED YELLOW GROUND CHERRY





## SWEET CORN.

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

Plant as soon as the ground becomes warm in the spring, in hills about 3 feet apart, five or six grains to the hill, and when up thin them up, allowing three or four of the strongest plants to remain. Give thorough cultivation. Our sweet corn is carefully grown and selected, only the choicest, most perfect ears being shelled for seed. It costs us more and is far superior to such stock as is often sold by other dealers. Packets contain about 2 ounces.

**EARLY SUNRISE.**—See novelties. Per pkt. 5c, ½ pt. 15c, qt. 50c.

**EXTRA EARLY CORY.**—(White cob.)—This has for years been the most popular variety with market gardeners for first early market and until the introduction of the Early Sunrise it was grown more largely than any other early sort by Des Moines gardeners. It is of dwarf growth, and yields well. Ears of medium size. This year we offer the improved white cobbled variety. Pkt. 5c, ½ pt. 12c, qt. 35c.

**CHAMPION EARLY.**—Without doubt the earliest large corn ever introduced, being only a few days later than Cory, with ears nearly as large as the Mammoth. Ears were grown ready for table use in sixty-one days from the time of planting, and they weighed one and one-half pounds each, and were 12½ inches long by 8½ inches around. To help you realize these figures, we have an illustration of what you can find and compare measurements. This was grown with special culture. An average size is about nine inches long. It has a medium size white cob and large pearly white kernels, very sweet, tender and full of milk. No market gardener can afford to be without it, and every family garden should contain at least a few hills. Per pkt. 5c, ½ pt. 15c, qt. 45c.

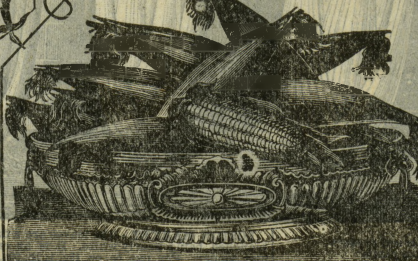
**EARLY MINNESOTA.**—A standard early variety that has held a high place in the list of sweet corns ever since its introduction. The ears are of good size, well flavored and of the best cooking qualities. Valuable for either private or market use. Per pkt. 5c, ½ pt. 10c, qt. 35c.

**CROSBY'S EARLY.**—For medium early use and general crop this is one of the most desirable varieties. Ears are of medium size and the cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Per pkt. 5c, ½ pt. 10c, qt. 35c.

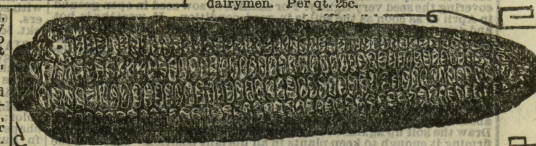
**BLACK MEXICAN.**—Although the ripe grain is black or bluish black, the corn, when in condition for the table, cooks remarkably white, and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Will stand more hot dry weather than any other. Pkt. 5c, ½ pt. 15c, qt. 45c.

**MAMMOTH SUGAR.**—This produces the largest ear of any sweet corn, a single ear sometimes weighing as much as two or three pounds; quality very sweet and luscious. Pkt. 5c, ½ pt. 15c, qt. 40c.

**EVERGREEN FODDER.**—Valuable crop for dairymen. Per qt. 5c.



CHAMPION EARLY.



STOWELL'S EVERGREEN.



COUNTRY GENTLEMAN.

**COUNTRY GENTLEMAN.**—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels, which are of pearly whiteness, and we can say too often—surprisingly sweet and tender. Per pkt. 5c, ½ pt. 15c, qt. 40c.

**STOWELL'S EVERGREEN.**—This is more largely planted than any other variety, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remain for a long time in an edible condition. Per pkt. 5c, ½ pt. 10c, qt. 30c.

## POP-CORN.

It pays to raise pop-corn as a general crop. Demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three to four times the amount per acre for the crop. For much crop the Monarch White Rice will bring the best price per pound, as it is better known among the poppers. Let the children try a small patch anyway for home use.

**PAGE'S NEW STRIPED RICE.**—The best, handsomest and most attractive variety of pop-corn in existence. The color is a clear, translucent white, and each kernel is beautifully striped with bright crimson. Our illustration does not do it justice. The ears are of good size, and well filled out; kernels are long and pointed, resembling rice. Early, very productive, and very tender when popped, bursting out very large, white as snow and of finest quality. All should try it. Per pkt. 5c, ½ pt. 15c, qt. 50c.

**MINIATURE.**—A regular little beauty. Attractive on account of its small size and handsome, perfect shaped ears which are only two to three inches long, with very deep, pure white kernels which pop to immense size. Three to eight ears to a stalk. Pkt. 5c, ½ pt. 15c, qt. 40c.

**NEW DYE POP-CORN.** A new variety producing sometimes 10 to 12 good sized ears to each stalk. The name is given it owing to the large amount of dark wine red coloring matter contained in the husks, which can be used for dyeing cloth or making ink. Kernels are white and pop well. Per pkt. 5c, ½ pt. 20c, qt. 50c.

**QUEEN'S GOLDEN.**—Color a peculiar lustrous golden yellow; when popped of a rich cream color; very prolific. Pkt. 5c, ½ pt. 15c, qt. 40c.

**MAPLEDALE PROLIFIC.**—The most productive pop-corn, averaging 15 to 12 good ears to the stalk. Pops to large size and very tender. Per pkt. 5c, ½ pt. 15c, qt. 40c.

**MONARCH WHITE RICE.**—The best white variety. Bears from three to six ears per stalk, and produces 1,500 to 2,000 pounds per acre. It will pay you to try it. Per pkt. 5c, ½ pt. 15c, qt. 40c.

## CORN SALAD.—Ger. Lammersalat.

One ounce will sow about 20 square feet.  
A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Per pkt. 5c, oz. 10c, ½ lb. 20c.

## COLLARDS.—Ger. Blatter-Kohl.

One ounce will produce about 8,000 plants.  
**GEORGIA.**—Sow in May, and treat as cabbage. Per pkt. 5c, oz. 10c, ½ lb. 30c, lb. \$1.00.

## CHICORY.—Ger. Chicorie.

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. It is now being extensively grown in some parts of Iowa and Nebraska for commerce. Pkt. 5c; oz. 10c, ½ lb. 30c.



PAGE'S STRIPED RICE POP-CORN



## CUCUMBERS.

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 hotbeds, in berry boxes, 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 the vines with plaster or air-slacked lime to protect from the bugs, or use Sing Shot to kill the bugs.

**NEW ASTRO.**—A novelty, sure to excite the curiosity of your neighbors. Will grow fifteen to eighteen inches in length, with very few seeds. Excellent for slicing. Flesh white and crisp. More fully described with novelties. Per pkt. 10c, 6 for 50c.

**WESTERFIELD'S IMPROVED CHICAGO PICKLE.**—Mr. Westernfield, having been engaged in growing pickles for Chicago pickle factories for many years, and also supplying them with seed for other growers, has watched carefully and selected his seed stock from the best shaped cucumbers for pickles. Consequently they will be the best stock to grow. Per

## IMPROVED CHICAGO PICKLE.

most prolific and early maturing vines having the most desirable shaped cucumbers for pickles. Consequently his strain is now considered by all growers in that vicinity to be the best stock to grow. Per

**WHITE PEARL.**—Bears freely throughout the season, and the cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and of beautiful pearly white; even the young fruits are of a very light color, nearly white. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**PERFECT WHITE SPINE.**—For many 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, pronounced by good judges superior to either Peerless or Arlington. Fruit even and good size, straight, 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 color, shading to a light green at blossom end. Immensely productive, and keeps longer solid and crisp than any other variety. Outyields any other for pickles. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c. By express, 5 lbs. or more \$5c per lb.

**EARLY CLUSTER.**—Grows in clusters. Productive and of good quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**GREEN PROLIFIC.**—A splendid pickling sort. Very productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50.

**WEST INDIAN CHERKIN, OR BURE.**—Makes a handsome variety of first class quality. Be sure and try it. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 60c.

**EARLY FRAME, OR SHORT GREEN.**—An old variety which will always be popular for general use as it is good both for pickles and slicing. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**IMPROVED LONG GREEN.**—A standard sort. Vine vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about 12 inches long, firm and crisp. The young fruit makes one of the best of pickles, and when ripe is the best of any for sweet pickles. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60.

**SNAKE.**—A remarkable and very interesting curiosity. Cucumbers grow curled up like a snake with the head protruding, and some may be six feet in length. Grow chiefly as a curiosity, and for exhibition. Pkts. only 10c each.

EGG PLANT. *Ger. Elerpfiano.*

One ounce will produce about 1,000 plants.

A tender plant, which should be started quite early in a hotbed or box in the house, which must be kept warm. Late in the spring transplant to open ground 2½ feet apart each way in warm rich soil. As soon as the weather becomes warm they thrive and are easily grown. They are a luxury which all should grow.

**IMPROVED NEW YORK.**—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Per pkt. 5c, oz. 35c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**PEARL WHITE.**—Pure creamy white, with slight shading of light green near the stem; very fine grain, well flavored and makes one of the most palatable dishes either baked or fried. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.40.

## IMPROVED Y. EGG PLANT.

most palatable dishes either baked or fried. Pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.40.



## JAPANESE CLIMBING.

This may be described as the sensation of novelty of Europe. The seed was originally brought from Japan, and has proven thoroughly adapted to open air culture throughout Europe and America. The vines are of healthy, vigorous growth, with rich, dark green foliage and throw out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. It comes into bearing quickly and continues to set fruit abundantly throughout the season. Of large size, from 12 to 16 inches in length; cucumbers thick,

tender, of delicate flavor, cylindrical shape, flesh pure white, skin dark green, turning to brown and netted with ribs, of excellent quality for slicing. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**EMERALD.**—A new variety from Ohio, which retains every good point in the best strains of White Spine and in addition possesses that rich, dark green color which has so long been sought for but never before obtained. It is strictly an evergreen, retaining its color until fully ripe; its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. It is highly recommended as a slicer. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**BOSTON, OR JERSEY PICKLE.**—Is used almost exclusively by the market gardeners near Boston for pickling. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 60c.

## GOURDS.

The following 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, fences, etc.

**JAPANESE NEST-EGG.**—Grows almost uniformly to the size, color and shape of a hen's egg. The shells are hard and durable and make the very best nest eggs, as they do not crack. The largest ones, when sowed in two, make excellent pots for starting tomato, strawberry and other plants. Pkt. 5c, oz. 15c.

**DIPPER.**—Makes a more light and convenient dipper than can be bought. Dippers of various sizes, of a capacity of from a pint to a quart and a half can be had from a few vines. Pkt. 5c, oz. 15c.

**SUGAR TROUGH.**—Very convenient for buckets, baskets, nest boxes, etc. Per pkt. 5c, oz. 15c.

**LUFFA, OR DISH CLOTH.**—The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, makes a natural dish-cloth or sponge. The seed should be started early in the hotbed or in the house. Pkt. 10c, oz. 35c.

**HERCULES CLUB.**—Grows to immense size—sometimes 4 to 6 feet long. Per pkt. 5c, oz. 25c.

**MIXED UTILITY.**—Seeds of the above varieties mixed. Per pkt. 5c, oz. 25c.

**ORNAMENTAL GOURDS.**—A mixture of the old shaped and fancy colored sorts. Contains some of the most popular and handsome foreign varieties. Per pkt. 5c, oz. 30c.





## LETTUCE

—One ounce will sow 120 feet of drill.—

Probably no vegetable is more universally used than Lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. As it requires but little room and is of the earliest culture, there are but 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-bed 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 to 12 inches apart.



**IMPROVED HANSON**—For general use both of market gardeners and in the private garden, we are sure that no variety can surpass our improved, carefully selected strain of Hanson Lettuce. It has been so judiciously improved that the heads are so solid that often they do not send up a seed stalk unless cut open with a knife. Heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from any rank or bitter taste. Resists the summer heat exceptionally well. It cannot be praised too highly. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**DENVER MARKET**—An early variety of Head Lettuce, either for forcing or open ground. It forms large, solid heads, of a good light green color, and is very slow to go to seed. The leaves are beautifully marked and blistered (like the Savoy cabbages), and very crisp, tender and of excellent flavor. By these blistered leaves it distinguishes itself from any other kind of lettuce now grown. The shape of the head resembles somewhat the "Hanson," but is more oblong. Per pkt. 5c, oz. 15c, ¼ lb. 40c.

**CALIFORNIA CREAM BUTTER**—A variety of cabbage lettuce, with round, solid head, as shown in the illustration; outside the heads are of medium green, slightly marked with small brown spots; within the leaves are of a very rich cream yellow color, most refreshing in appearance, and particularly rich and buttery to the taste. The heads are of good size, compact, very hard and solid. It is medium early, and one of the very best summer varieties of head lettuce we have ever seen. Per pkt. 5c, oz. 15c, ¼ lb. 40c.

**MIGNONETTE**—A small bronze-green sort with heart of creamy white. It is handsome and of choice quality family use. Pkt. 5c, oz. 15c, ¼ lb. 40c.

**MORSE**—Might well be called an Improved Black Seeded Simpson, is very desirable for growing under glass or out doors. Pkt. 5c, oz. 15c, ¼ lb. 35c.

**RUDOLPH'S FAVORITE**—A very attractive Cabbage Lettuce; large size, crisp and delicate in flavor and very desirable for summer use, as well as for forcing. Forms a fine, large, solid head, leaves of a beautiful yellow color. Pkt. 5c, oz. 15c, ¼ lb. 40c.



NEW MIGNONETTE LETTUCE



ICEBERG LETTUCE

**ICEBERG**—No handsomer or more solid cabbage lettuce in cultivation—in fact, it is strikingly beautiful. The large, curly leaves that cover the outside of the solid heads are of a bright, light green, with a very slight reddish tinge at the edges. The center is thoroughly blanched. Whether in the early spring or the hottest days of summer, the quality is simply perfect. Per pkt. 5c, oz. 15c, ¼ lb. 40c.

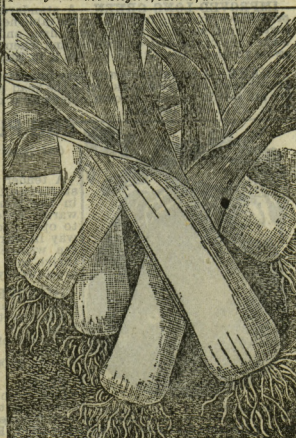
**PRIZE HEAD**—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. We sell more of this than any other brown leaved variety; always satisfactory. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**BLACK SEEDED SIMPSON**—Nearly double the size of the ordinary Curled Simpson; stands the summer well without becoming tough or running to seed quickly. Is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners claim that our seed is worth far more than any other. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

**GRAND RAPIDS**—A forcing variety of superior quality and beautiful appearance, a strong grower, free from rot, and keeps crisp and tender without wilting when exposed for sale, longer than any other forcing lettuce. It is also a desirable variety for sowing in the open ground. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

**MIXED VARIETIES**—Seed of about 20 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 pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.10.

I have found your seeds just as you represent them. The packets well filled and seeds of good quality.—Grace Stigers, Menlo, Iowa.



LARGE ROUEN LETTUCE

**SALAMANDER**—An excellent spring, summer and fall variety, forming good-sized heads, that stand drought and heat longer without injury than any other sort; matures very early. Per pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.40.

**EARLY CURLED SIMPSON**—An improved variety of the Curled Silesia, with large, loose heads and excellent flavor. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

## LEEK.

Leeks are quite appetizing when sliced and served as a salad, or they can be cooked and served like onions. The plants are very hardy and the flavor improves with freezing. Sow seeds thinly in drills early in the spring; thin out or transplant so as to stand six inches apart in the row. Keep well hoed and free from weeds during the summer, and early in the fall draw earth up about the stems in the same manner as you would to blanch celery.

**LARGE ROUEN**—Largest and most uniform of all. It so far surpasses other sorts that we consider it useless to list them. Per pkt. 5c, oz. 15c, ¼ lb. 50c.



## MUSK MELON.

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 or twelve seeds in a hill. When they begin to grow, they should not be planted until the settled warm weather begins—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. You will be pleased with our melon seed.

**ROCKY FORD.**—See Novelties. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**IOWA MASTODON.**—Largest of all. Crop almost a failure. In packets only. Pkt. 10c.

**PRINCESS, or PERFECTION.**—This splendid variety is nearly round, with heavily netted, dark green skin; the flesh is of a rich salmon color, and in flavor it is sweet and luscious beyond description. They ripen early and grow to a good size, often weighing 8 to 10 lbs. each. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

**GRAND RAPIDS.**—The main characteristic of this melon is its extreme earliness; has been on the market two weeks earlier than any other sort and sold readily at \$3.50 per dozen to hotels and fancy grocers, while melons grown in the south were practically unsalable. The flesh is pure yellow clear to the rind; skin finely netted. To obtain the best results, and to show its remarkable earliness and productiveness, we would advise our customers to pluck off the runners; thus throwing the growth into the fruit, and making it of large size and earlier. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

**IMPROVED GREEN NUTMEG.**—A greatly improved strain of the old Green Nutmeg. Fruit of a fair size, very rich, melting, and of exquisite flavor, flesh light green. Very productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

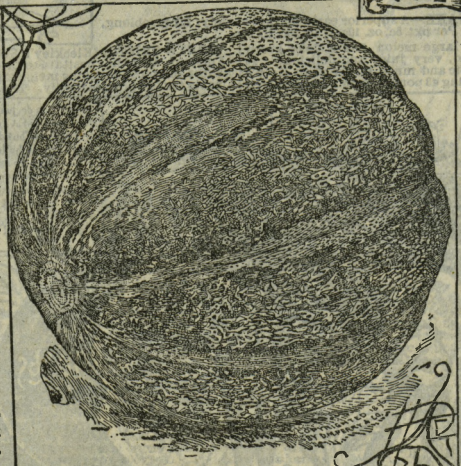
**IMPROVED EARLY HACKENSACK.**—Large size, rich flavor; a great improvement on the Turk's Cap or Hackensack and 10 days earlier. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**MONTREAL MARKET.**—Of large size, flesh thick; fine flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**EMERALD GEM.**—This is one of the most delicious little melons that we have ever eaten. The flesh is thick, of a suffused salmon color, almost red, and ripens thoroughly to the extremely thin, green rind. It is peculiarly crystalline in appearance, juicy and rich. The flavor is sweet and luscious beyond description. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**NETTED GEM.**—A most excellent small melon and very popular with melon growers. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**WINTER PINEAPPLE.**—Do not ripen on the vines, but have to be picked before hard frost and laid away in a cool, dry cellar for long keeping. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.



McCOTTER'S PRIDE

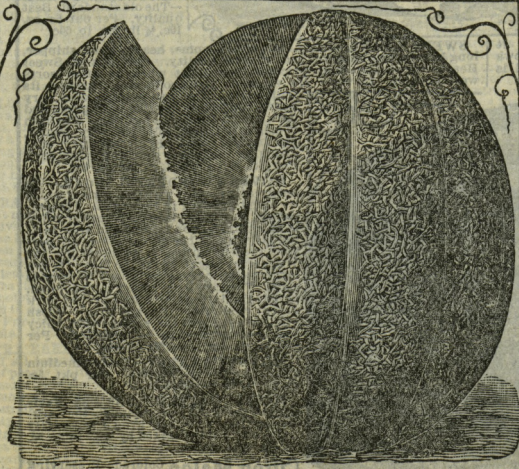
exceedingly thick and heavy for their size. The flesh is a deep, rich, orange yellow color, is of very fine grain and uniformly high quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**McCOTTER'S PRIDE.**—This variety is the result of long continued, skillful breeding and selection with the purpose of securing a very large melon of spherical shape, with flesh of fine grain and high quality. The effort has been most successful, and we are confident that it will please all who plant. The fruit is very large, nearly round, evenly and moderately ribbed, dark green in color, partially covered with gray netting. The orange red flesh is very thick, sweet and of fine flavor. We earnestly urge all lovers of good melons to try this splendid new sort. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 35c, lb. \$1.10.

**TIP TOP.**—We recommend this melon to every lover of luscious fruit and to every gardener who grows for the market. It is a yellow-fleshed melon of the very best quality, every melon produced, big or little, early or late in the season, is a good one. They are sweet, juicy, of finest flavor, eatable to the very rind. It is a strong grower and a heavy yielder, and of handsome appearance. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**PAUL ROSE.**—We have been greatly pleased with this new variety, and we consider it one of the finest we have. It is the result of a cross of the Osage and Netted Gem, and it combines the sweetness and high flavor of the former with the fine netting and superior shipping qualities of the Netted Gem. It is of peculiarly sweet, rich, delicious flavor and a long keeper. If you are a gardener, plant it and catch top of market prices. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**OSAGE.**—One of the best melons on the market for family use and also greatly liked by gardeners. The skin is thin, of dark green color and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely tender and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy owing to the thickness of the meat. All lovers of fine melons should try the Osage. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.



OSAGE

## Mixed Musk Melons:

All of the above and a few other kinds grown separately and the seed mixed together. Will produce melons throughout the entire melon season. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.





## WATERMELON.

One ounce is required for forty hills; three pounds will plant an acre.

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills eight to ten feet apart each way. Plant eight to ten seeds in a hill, and finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers annually depend on us for their seeds and are universally pleased, claiming that nowhere have they ever obtained seed so pure and reliable. It pays to have the best. Packets contain about 100 seeds.

**BLUE GEM.**—See Novelties. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.25.

**ORANGE.**—See Novelties. Per pkt. 10c.

**COLE'S EARLY.**—Decidedly the finest early variety for the private garden, but is too brittle for long shipments. It is very early and will mature further north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is lusciously sweet and refreshing. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**PEERLESS, or ICE CREAM.**—(White seeded). Of unquestionable quality, very early, of medium size, thin rind, flesh bright scarlet. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

**FORDHOOK EARLY.**—Has proved to be the largest early variety on the list. From seeds planted May 10th, the melons were produced the last of July. The rind is tough, making it valuable for shipping. Color a uniform medium green; flesh red and very sweet. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**GYPSY, or GEORGIA RATTLESNAKE.**—A superior early market variety; large, oblong, the skin green, mottled and striped. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**DUKE JONES.**—This magnificent large melon has a dark green rind, slightly striped, flesh bright red, very juicy and delicious. It is one of the best of melons, we do not hesitate to pronounce this one of the sweetest, juiciest and most delicious melons in existence, and it is specially desirable for the private family. The rind is dark green faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and long keeper. Market gardeners will also be pleased with it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

grower writes that they produced ripe melons in sixty-five days from the time of planting. Very desirable both for shipping and for the family garden. Everyone who has a place to grow melons should try this new, splendid variety. It has been grown to immense size and even the largest specimens hold their good flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**DIXIE.**—A cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in eating quality and flavor. It is early, has a remarkably thin, tough rind, and will keep and ship well. The flesh is bright scarlet, and of fine quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

**GREEN AND GOLD.**—Large size. Flesh as yellow as gold. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**PRIDE OF GEORGIA.**—Very popular with Des Moines growers. It is of a dark green mottled color, nearly oval, somewhat ridged; grows early upon its end, is firm, will ship well, attains a large size, and is very sweet and crisp. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**MONTE CRISTO.** (Kieckley's 5c's.)—After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest and most delicious melons in existence, and it is specially desirable for the private family. The rind is dark green faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and long keeper. Market gardeners will also be pleased with it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

Monte Cristo is a variety of melons, we do not hesitate to pronounce this one of the sweetest, juiciest and most delicious melons in existence, and it is specially desirable for the private family. The rind is dark green faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and long keeper. Market gardeners will also be pleased with it. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**KOLB'S GEM.**—This variety on account of its excellent shipping qualities, is extensively grown for that purpose. Grow nearly round, and the color is a dark green with lighter narrow stripes. Very thin and tough rind. Flesh bright red and of good flavor. Our seed is choice. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c.

**CUBAN QUEEN.**—Flesh bright red, luscious, crisp and sugary. An excellent keeper. Large size. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 65c.

**MOUNTAIN SWEET.**—The old standard. Best quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**SWEET HEART.**—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Carloads of Sweet Hearts were sold at fancy prices in the market, when no other sorts were saleable. Its vines are vigorous and productive, ripening its fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green. Rind thin but firm. The flesh is bright red, firm, solid but very tender, melting and sweet. Fruit remains in condition for use longer than any other sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 65c.

**MOIVER'S WONDERFUL SUGAR.**—We are greatly pleased with this variety which we found growing in Nebraska. The gentlemen on whose place they were growing is an enthusiast on melons and after testing quite a number of varieties, all persons present united in pronouncing the Wonderful Sugar by far the best. It is a large melon averaging about 35 pounds each. They are long, rather light colored, mottled and irregularly striped with dark green. Rind rather thin and tough. Flesh a delicate red, and the most tender, juicy and luscious that can be imagined. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 70c.

**PHINNEY'S EARLY.**—Early, medium size, and quite productive. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**MIXED WATERMELONS.**—25 Varieties of the finest watermelons, the largest, earliest, sweetest, grown separately and seed carefully mixed by us. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**Citron Melon**—Preserving Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.00. Red Seeded Citron—Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. \$1.00. Apple Pie—Best flavored of all. See novelties. Per pkt. 10c.



What are you doing here, boys?

Wentryng de Duke Jones, we done find de favorite and de Semihole, but dis Duke beat dem all hollow. Can't we help save seed here, boys? We want charge you nuffin, we just wants to eat de hearts out of dese big fellows. Kolb's Gem don't taste good now.

02-16





Good onion seed is of the utmost importance, as onions are one of the most important crops 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 onion. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that our onion seed—

**CANNOT BE BEAT**

Large onions can easily be grown the first year from the seed by obtaining our American grown new crop onion seed. Our crop was good this year and prices are reasonable. In comparing our price with others, remember that we pay the postage. Deduct six per pound if to be sent by express. Ask for prices in large lots. Packets contain about 1000 seeds.

**CULTURE**—One ounce will sow about 100 feet of drill; 4 pounds will sow 1 acre. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch in rich sandy soil, which is as free from weeds as possible. Commence hoeing as soon as the 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, the seed should be sown very thickly and in broad drills, about 50 lbs. to the acre for sets, and 15 to 20 lbs. for pickling. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 80c, postpaid, is the best hand weeder made. Try it. Book on Onions 20c. New Onion Culture Book 50c.

**AUSTRALIAN BROWN**.—A new, medium sized, wonderfully hard and solid variety of onion, and one which is quite attractive for the market, both in form and color. They are extremely early in ripening, and produce a crop of fine bulbs which are very uniform in size. Color is a peculiarly clear amber-brown, quite distinct from any other variety. In keeping qualities it exceeds any other variety that we know of. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**YELLOW GLOBE DANVERS**.—A very handsome, round or globe-shaped variety of large size, with thin, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early, sells readily at the highest prices in our markets. This is one of the best cropping varieties in existence, has yielded 1000 bushels per acre, and one of our customers states that his crop averaged over 500 bushels per acre for nine years. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, 4 lbs. not prepaid, \$3.50.

**EXTRA EARLY BARLETTA**.—This is a distinct new variety; the very earliest onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. At maturity the tops die down directly to the bulbs, leaving the neatest and handsomest little bulbs imaginable. They are of pure paper white color, very mild and delicate in flavor,  $\frac{1}{2}$  inch in diameter, and  $\frac{1}{4}$  of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.

**EXTRA EARLY PEARL**.—The earliest and best of all American varieties. It is of good size, of pearly white color, the outer skin having a moist showy, waxy appearance; flesh is pure snow white, and flavor so mild that it can be eaten like an apple. It grows with great rapidity. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**LARGE WHITE GLOBE**.—The handsomest market variety in existence, making beautiful, clean, pure silvery white bulbs of large, even size, globe shape, mild and pleasant flavor, and outclass every other variety. It is comparatively a good keeper and undoubtedly the best white sort. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 65c, lb. \$2.00.

**LARGE RED WETHERSFIELD**.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this a magnificent strain, far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. It is of the finest form, skin deep, purplish red, flesh purplish white, much finer grained than many of the red sorts. Our seed of this variety is extra select and cannot be excelled. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00, 4 lbs., not prepaid, \$3.50.

**EXTRA EARLY RED**.—Matures very early, yields abundantly and is of mild flavor. Of medium size, flat shape, deep red in color; very close grained, solid and heavy. This will often form bulbs in cold and mucky soils where other varieties fail. It is recommended particularly for the north and northwest. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25, 4 lbs., not prepaid, \$4.50.

**WHITE PORTUGAL, or SILVER SKIN**.—Matures early, very mild flavor, medium size, and generally preferred for table use; not a good keeper. The best variety to grow sets as the sets are of best possible shape and color for marketing. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.25.

**SOUTHPORT RED GLOBE**.—This is a very handsome variety and is deserving of general cultivation. It is medium early, (none of the perfectly globe shaped onions are as early as the flat varieties), grows to a large size, skin deep red, flesh fine grained, mild and tender. Seed of this variety is quite scarce this year. Per pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$1.60; 4 lbs., not prepaid, \$5.50.

**CANARY ISLAND or BERMUDA**.—A quite handsome variety of onion which we import from the Canary Islands. It is largely grown also in Bermuda for shipment to the U.S. It is of medium size, flat and matures early. Bulbs white, sometimes shading to pink. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.







**MAMMOTH PRIZETAKER (No. 1).**—This is without doubt the largest, handsomest, finest flavored, and in every way the best variety of yellow onion in the world. It is admittedly the largest of all varieties, having been grown to the enormous weight of over six pounds and is without a handsome, fine-flavored sort. Of a clear, bright straw color and uniform perfect globe shape. Produces enormous crops, one report being over 1,200 bushels, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unequaled and is in great favor with our customers in all parts of the United States. They ripen up hard and fine, and present the handsomest possible appearance in market, while the pure, white flesh is fine grained, mild, and delicate in flavor. To grow to the largest size sow seed early in hotbeds and transplant to open ground as soon as weather is favorable. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 6c, lb. \$1.50.

**GIANT VESUVIUS (No. 4).**—This grand new mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent. Much more tender and mild than the American sorts. Per pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. 8c, lb. \$2.50.

**How to Grow Big Onions.** With each of these "5 Giants Collections" we will send circular giving full directions for growing mammoth onions so that you can grow specimens which will excite the envy of your neighbors and take the prize at your fair.

**COPPER KING, or MAMMOTH POMPEII (No. 2).**—Have been grown to the enormous weight of FIVE POUNDS AND SIX OUNCES, and notwithstanding their large size they retain their shape and fine quality. To obtain an 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. Beautiful copper color; flesh pure white, fine grained and mild. Per pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 6c, lb. \$2.00.

**MAMMOTH SILVER KING (No. 3).**—This giant sort is the largest of all white onions, no other white variety approaching it in mammoth size. It is of attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from 2 $\frac{1}{2}$  to 4 pounds each. The skin is a beautiful silvery white; the flesh is snowy white, and of a particularly mild and pleasant flavor. So sweet and tender is the flesh that it can be eaten raw like an apple. Matures early and is of uniformly large size and perfect form, and consequently will bring a large price in the market. Per pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. 8c, lb. \$2.50.

### The Five Giants

ONE PACKET EACH OF  
THE MAMMOTH PRIZETAKER, WHITE  
PRIZEWINNER, COPPER KING,  
GIANT VESUVIUS, AND  
SILVER KING.

For Only 25 Cents. Try Them.

**MAMMOTH WHITE PRIZEWINNER.**—A grand new pure white variety of same shape as the Mammoth Prizetaker, and is of monster size. Per pkt. 10c, oz. 40c,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**\$10.00 PRIZE**  
FOR BIG ONIONS.

prize—Reports must be in by October 15th.

We offer a cash prize of \$10.00 for the largest onion grown this year from seed purchased direct from us. Any of the mammoth varieties we list on this page may compete for this. Don't fail to try these onions this year.



## PEAS.

One quart will plant about 100 feet of drill; 2 to 3 bushels per acre.

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 better, select several kinds which will form a succession in maturing. 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 if ground is wet.

Prices include postage. Pints at one-half the quart rates. 15c. per quart discount if sent by express. See special prices by the peck or bushel on page 22. Our packets contain about two ounces.

\*GRADUS.—See novelties. Per pkt. 10c.  $\frac{1}{2}$  pt. 20c. qt. 60c.

**IOWA CHALLENGE.**—An extra early variety of superior merit which is a 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 good flavor. All the good qualities of the Extra Early are most nearly brought to perfection in the Challenge. Vines 16 inches. Pkt. 5c.  $\frac{1}{2}$  pt. 12c. qt. 40c.

**RURAL NEW YORKER.**—Very early and of most even growth and maturity, 80 to 90 per cent of the pods can be removed at one picking. Per pkt. 5c.  $\frac{1}{2}$  pt. 10c. qt. 35c.

## AMERICAN WONDER

\***AMERICAN WONDER.**—The most popular extra early variety for the family garden. Being very sweet it cannot be planted quite as early as the above as it will not stand as much cold wet weather, but it is far superior to the extra early smooth sorts in flavor and table qualities and is quite productive. Of dwarf and robust habit, growing about ten inches high, and produces a profusion of good sized, well-filled pods fairly packed with the finest flavored peas. On good soil each vine will average twelve pods and each pod six peas. The vines grow from eight to twelve inches high. Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.

\***PREMIUM GEM.**—Height one foot; early and prolific; a type of and an improvement on the McLean's Little Gem. Pods long and of dark green color. The most popular sort for family use. Per pkt. 5c.  $\frac{1}{2}$  pt. 10c. qt. 25c.

**ALASKA.**—Height two feet, pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the Rural New Yorker, and ninety per cent of the pods can be gathered at the first picking. Per pkt. 5c.  $\frac{1}{2}$  pt. 12c. qt. 40c.



DWARF CHAMPION

\***IMPROVED STRATAGEM.**—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.

**MAMMOTHE LUSCIOUS SUGAR.**—This new sugar pea bears pods much larger than any other variety, often six to seven inches long, and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, and as they contain so much sugar, starch, and gluten, they are very nutritious for family use. Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.

\***NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family and market pea. It is fully as sweet and delicious as the American Wonder and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. George Buchanan writes: "I found these peas a very distinct, pure sort, with many marked excellences over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting. Quality very superior." Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.



NOTT'S EXCELSIOR

**FIRST AND BEST.**—A standard first early variety popular with gardeners in all parts of the country. Per pkt. 5c.  $\frac{1}{2}$  pt. 12c. qt. 40c.

\***DWARF CHAMPION.**—This extra choice new variety is a great improvement on the old Champion of England which has been one of the sweetest, best and most popular varieties for the last 30 years. The old variety is very tall (6 feet) while this new sort grows only 2 1/2 feet, and still the vines are vigorous with a great profusion of very large pods filled with large sized peas of superior quality and very sweet. It is medium late and suited to main crop. Everyone who wants extra choice peas for family use should plant a few of these. Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.

\***ELEPHONE.**—Immensely productive, of the finest quality and excellent, sugary flavor; vines very strong, the pods are of large size, with six or seven large delicious peas; height four feet. Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.

\***CHAMPION OF ENGLAND.**—One of the richest and best flavored peas grown. Per pkt. 5c.  $\frac{1}{2}$  pt. 10c. qt. 35c.

\***EVEREARING.**—Height two feet; late to very late; hardy, vigorous, enormous cropper, pods and peas of large size and good quality. Per pkt. 5c.  $\frac{1}{2}$  pt. 12c. qt. 40c.

\***JUNO.**—This is considered by many by far the best wrinkled pea of its class to-day. It has very robust vines; stout, straight pods, usually borne in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet; its season from medium early to main crop. Per pkt. 5c.  $\frac{1}{2}$  pt. 15c. qt. 50c.

**DWARF WHITE MARROW.**—An improvement on the old Large White Marrowfat. Per pkt. 5c.  $\frac{1}{2}$  pt. 10c. qt. 35c.

**BLACK EYED BEROOWAT.**—Is grown largely by gardeners and also sown as a field pea for stock. Per pkt. 5c.  $\frac{1}{2}$  pt. 10c. qt. 35c.

\***ABUNDANCE.**—A standard medium early sort. Large and productive. Per pkt. 5c.  $\frac{1}{2}$  pt. 12c. qt. 40c.

**FIELD PEAS.**—See list of Miscellaneous Field Seeds.



## PEPPER.

One ounce will produce about 1,800 plants  
Sow seed in hoed 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. Packets contain about 600 seeds.

**KALEIDOSCOPE.**—A beautiful new variety, the plant when loaded with fruit being very ornamental as the fruit differs so greatly in color. The fruit is of a yellowish-cream color and then changes to canary, then deepening to orange, then turns into pink until it becomes a deep, shining scarlet. The fruit is of the size of a plum. Per pkt 10c, oz. 50c.

**RUBY KING.**—Very large size 4 1/2 to 6 inches long, by 3/4 to 1 inch thick. When ripe they are of a beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Each plant produces from six to twelve large, handsome fruits. Per pkt 1c, oz. 20c, 1/4 lb. 65c.

**WAMMOTH GOLDEN QUEEN.**—Average a third larger than Ruby King. Eight to ten inches long, bright waxy, golden yellow, and mild flavor. Per pkt 5c, oz. 25c, 1/4 lb. 80c.

**RED CLUSTER.**—Similar to the Chili, but smaller and more productive. Per pkt 5c, oz. 20c, 1/4 lb. 65c.

**CORAL OEN BOUQUET.**—This new red-hot pepper is the finest of the smallest-sized varieties. Excellent for pepper sauce. Pkt. 10c, oz. 50c.

**RED CHILI.**—Small very hot. Used everywhere for pepper sauce. Per pkt 10c, oz. 25c, 1/4 lb. 80c.

**LARGE BELL or BULL NOSE.**—An early standard sort. Per pkt 5c, oz. 15c, 1/4 lb. 50c.

**SWELL MOUNTAIN, or MANMOTH.**—Similar to the above but milder. Per pkt 5c, oz. 15c, 1/4 lb. 50c.

**RED CAYENNE.**—Per pkt 5c, oz. 25c, 1/4 lb. 80c.

## MUSTARD.—Ger. Serr.

One ounce will sow about 75 feet of drill.

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

**SOUTHERN GIANT CURLED.**—Highly esteemed in the South, where the seed is sown in the fall, and the plants used very early in the spring as salad. Per pkt 5c, oz. 10c, 1/4 lb. 50c, 1/2 lb. 75c.

**WHITE ENGLISH or LONDON.**—Per pkt 5c, oz. 10c, 1/4 lb. 50c, 1/2 lb. 75c.

**CHINESE GOLDEN.**—Forms a compact bushy plant. Leaves very small, finely cut, and of a bright golden yellow color. Very slow to go to seed. Pkt. 5c, oz. 15c, 1/4 lb. 45c.

## PARSNIPS.

One ounce will sow 300 feet of drill; 5 lbs. to an acre.

Sow early in spring in good rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to five or six inches apart in rows. They are improved by frost.

**IMPROVED TABLE GUERNSEY.**—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper; the roots are smooth, with a deep hollow crown and a small top. The flesh is fine grained and sweet, and of excellent quality; cooks evenly all the way through to the center which is as fine, soft and even in quality as outside portions. Per pkt 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 65c.

**LONG SUGAR, or HOLLOW CROWN.**—The old standard. Pkt. 5c, oz. 10c, 1/4 lb. 25c, 1/2 lb. 65c.

## RHUBARB.

Or Pie Plant.

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.

**IDEAL MANMOTH.**—See Novelties. Per pkt 10c, oz. 25c.

**VICTORIA.**—The old standard sort. Per pkt 5c, oz. 15c, 1/4 lb. 10c, 1/2 lb. 65c.

**MANMOTH RHUBARB ROOTS.**—By mail 25c each; \$2.00 per dozen.

## PARSLEY.

One ounce will sow 150 feet of drill.

Sow in March, thinly in drills one foot apart and 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.

**MARKET GARDENER'S**—An extra choice stock with dark green, beautifully curled, mossy leaves, very ornamental in its growth, and very productive. Most valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color late in the fall, and continues to produce well throughout the winter when transferred to the greenhouse. Per pkt 5c, oz. 15c, 1/4 lb. 60c.

## MARKET GARDENER'S PARSLEY.

**CHAMPION MOSS CURLED.**—A very select stock, most beautifully crimped and curled. Per pkt 5c, oz. 10c, 1/4 lb. 30c.

**HAMBURG.**—A turnip-rooted variety used for flavoring soups, etc. Per pkt 5c, oz. 10c, 1/4 lb. 20c, 1/2 lb. 65c.

## TOBACCO.

One ounce will sow about 25 square feet 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. Early in the 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 seeds in rows six inches high transplant into rows four feet apart.

**MANMOTH MUSCATELLE.**—Early and of finest texture. Pkt. 5c, oz. 20c, 1/4 lb. 55c.

**CHESTER.**—Ripens early; adaptable to a wide range of soil and latitude, therefore surest. Yellow. Per pkt. 5c, oz. 20c, 1/4 lb. 75c.

**STRELLING.**—Per pkt. 5c, oz. 15c, 1/4 lb. 65c.

**BIG HAVANA.**—Heavy cropper, fine texture, delightful flavor, earliest cigar variety to mature and ripen. Pkt. 5c, oz. 20c, 1/4 lb. 65c.

**CONVENT OUT SEED LEAF.**—Well adapted to this climate. Per pkt. 5c, oz. 20c, 1/4 lb. 65c.

## RED CROSS PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant a few for themselves and children. This very desirable variety is 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. Shell the nuts carefully so as to not break inside skin, and plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two inches. The soil should be deep and mellow. They produce 25 to 70 bushels per acre and are as easily cultivated as corn. Price per large package 10c; 1/2 lb. 40c, post-paid. By express 5 lbs. or more 50c.



## KOHL RABI.—Ger. Kohlrabi.

One ounce will produce about 2,500 plants.

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable intermediate between the cabbage and turnip. It is easily grown, the seed usually being sown in drills and afterwards transplanted like cabbage to rows 18 inches apart and about 16 inches in the row. Cook like turnips.

**GOLIATH PURPLE.**—This new variety is of immense size, solid and sweet; considered by many far superior to cabbage or turnip and decidedly more nutritious. Keeps well. In buying it will pay you to have the best. Per pkt. 10c, oz. 25c, 1/4 lb. 65c, 1/2 lb. 85c.

**EARLY WHITE VIENNA.**—Flesh white and tender; good market sort. Per pkt. 10c, oz. 15c, 1/4 lb. 60c, 1/2 lb. 85c.

**EARLY PURPLE VIENNA.**—Per pkt. 5c, oz. 20c, 1/4 lb. 65c, 1/2 lb. 85c.



## PUMPKINS.

One ounce will plant 25 hills; 4 pounds will plant one acre.

The best, most enterprising and most prosperous farmers put in a crop of pumpkins every year. They can be grown separately or with a corn or potato crop and do not seem to interfere in the least. They are valuable for feeding to stock, and what is a fair without pumpkins or a Thanksgiving dinner without pumpkin pie? If planted with corn two pounds will plant one acre.

NEW ATLAS.—See Novelties. Per pkt. 10c.

YANKEE PIE.—This is the noted New England Pie or Small Sugar pumpkin. Same shape and color as the Connecticut Field, but smaller, and very sweet, fine grained and one of the best varieties for table use. We have sold over 10 thousands of customers in all parts of the country and it pleases everyone for making pies. Early and very productive. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

CALHOUN.—A great improvement on the Large Cheese pumpkin. Color creamy brown, flesh deep salmon yellow, fine grained, while the seed cavity is very small. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Has been recently re-named by one dealer the "New Thanksgiving Pumpkin." Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

WHITE CUSHAW, or JONATHAN.—Attractive and sells better than the old green striped sort. It is a large bottle-shaped variety. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

KING OF MAMMOTHS.—The largest variety of true pumpkins. The

flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one weighing 183 pounds, and on the same vine had five other pumpkins from 9 to 104 pounds each in weight—over 540 pounds grown from one seed. Farmers and gardeners! Just think of that kind of a crop! Will it not pay you to grow the King of Mammoths and exhibit them at your county fair? Our seed was saved from large select specimens. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

MAMMOTH ETAMPES.—A giant variety from France, where it is quite celebrated. Bright glossy red color; splendid for exhibition. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. 81.25.

TRY THE COLLECTION OF

## MAMMOTH PUMPKINS

ONE PACKET EACH

New Atlas, King of Mammoths,  
Mammoth Tours  
and Mammoth Etampes,  
Only 20 Cents.

A PRIZE OF \$10.00 will be paid for the largest pumpkin grown from our seed this year, the report to be sent in not later than October 15th. Full directions for growing large specimens sent with each collection.

## ENDIVE.

One ounce will sow 50 square feet.

One of the best and most wholesome salads for fall and winter use. When leaves are eight inches long tie them together with string near the top to blanch.

EXTRA CURLED.—Pkt. 5c, oz. 15c, ¼ lb. 50c.

## CRESS, or PEPPER GRASS.

One ounce will sow about 16 square feet.

EARLY CURLED.—A well known salad. Sow early and at intervals during the season; covers seeds lightly. Pkt. 5c, oz. 10c, ¼ lb. 25c. TRUE WATER.—Sow the seeds along the border of running water and cover lightly. Pkt. 5c, oz. 25c.

## SALSIFY, VEGETABLE OYSTER.

One ounce will sow about fifty feet of drill.

Why don't you grow salsify? We are certain if you grow it one year you would never be without it. Salsify is one of the most delicious and nutritious of vegetables and should be more generally cultivated for use in winter, when the supply of really good vegetables is so limited. It has the true oyster flavor, and makes a delicious and inexpensive substitute for them in soup, etc. Cultivate like parsley.

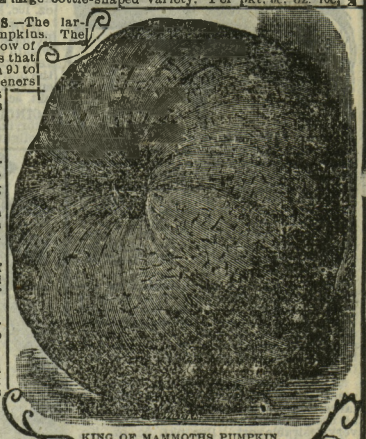
MAMMOTH SANDWICH ISLAND.—Averages fully double the size of the old Long White. The roots are white, smooth and, notwithstanding their enormous size, are of superior quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. 81.50.

WISCONSIN GOLDEN.—A most distinct and valuable new sort that we are now confident will suit customers. It is of strong, vigorous growth; the leaves are dark green in color, finely crimped and curled. The roots are large, smooth and have a decided yellow cast, which gives it its name. They are smooth and even throughout, unusually brittle and never stringy. When prepared for the table are very rich, tender and delicious in flavor. Pkt. 10c.

## OKRA, or GUMBO.

One ounce will sow about 80 feet of drill.

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables, in drills 2 inches deep, leaving the plants from 2 to 3 feet apart. DWARF WHITE VELVET.—Folds round, smooth and of an attractive white velvety appearance, very tender and of a superior flavor. Plants dwarf and very productive. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. 81.00.

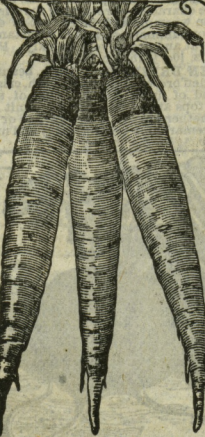


KING OF MAMMOTHS PUMPKIN.

## CURLED CHERVIL.

One ounce will sow 100 feet of drill.

Leaves used in soups and salads. Leaves have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Per pkt. 5c, oz. 25c.



WISCONSIN GOLDEN SALSIFY



WHITE VELVET OKRA.



## RADISH.

One ounce will sow 100 feet of drill; eight to ten pounds will sow an acre in drills.

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 midsummer. 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 two or 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. There is a very short crop of many varieties of radish this year.

**EARLY SCARLET GLOBE.**—A most excellent early radish for garden culture, and for hot bed forcing there is no variety so desirable as the Early Scarlet Globe. It is the earliest; its color is the handsomest in flavor it is the mildest, most crisp, juicy and tender. It is the market gardener's favorite as a forcing radish. It forms small top, and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more rapidly than any other shaped sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**NON PLUS ULTRA.**—An improvement on the Deep Scarlet Turnip. Remarkably fine in quality, of very quick growth, and ready to pull within twenty days after sowing. Perfectly globular little roots, of very bright color and excellent shape; certain to insure ready sale on the market. It is one of the best strains of early radishes for forcing, crop matured and sold, and the same bed ready for a second planting all in thirty days. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**CINCINNATI MARKET.**—A most excellent long radish of beautiful glossy brilliant scarlet color, having unusually small top. The skin is very thin, and the flesh is a delightful pungent quality. It is undoubtedly the finest long red Radish for forcing, and it also an extra fine sort for the home garden, the quality being unexcelled. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**PERPETUAL WHITE SUMMER.**—This variety, introduced by us, has given splendid satisfaction to all who have tried it. Their shape is well shown by our engraving. They are pure white of uniform 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 Chariot, and keep in perfect shape for marketing about four weeks, or longer for home use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**ROUND SCARLET CHINA, or CHINA GLOBE.**—An exceedingly handsome new variety which will prove to be popular. It is of medium size, bright scarlet color and globe shape. It grows very rapidly, being almost as early as the early forcing sorts and it holds its size and superior quality throughout the summer. The flesh is pure white, crisp, brittle and of most agreeable flavor. When sown later they make an excellent winter sort and keep well. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**WHITE STRASBURG.**—Of handsome, oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining the crispness even when old and large. It is excellent for summer use, and it withstands severe heat and grows very quickly. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**GOLDEN DRESDEN.**—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts, and tops are so small as to admit of

planting so many in the garden or in hotbeds you can depend on a remarkably perfect, early and uniform crop. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**MIXED RADISHES.**—A mixture of over twenty choice varieties of early, medium and late radishes. This will give you radishes all summer, and you will be surprised at the results. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.



EARLY SCARLET GLOBE.

**MODEL WHITE BOX.**—An improvement on the Philadelphia White Box, which has been popular for several years. It is of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes" and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**BOSS GEM.**—An improvement on the Scarlet Turnip White Tip. Their shape is perfectly globular, with rich, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, equally desirable for either the market or home garden. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**WHITE LADY FINGER.**—An improvement on the White Naples, or Vienna. A large, white, crisp variety, about as long as Long Scarlet, and similar in shape. A very desirable sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**CHINA ROSE WINTER.**—One of the best winter varieties, bright rose colored, flesh white, firm and of superior quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**IMPROVED CHARTREUX.**—Is 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 is a pure, waxy white. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.



MODEL WHITE BOX.

**WOOD'S EARLY FRAME.**—Smaller and about ten days earlier than Long Scarlet, which it very much resembles. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.

**ALL SEASONS or CELESTIAL.**—Introduced by us in 1890 and has proved of great value as a summer and fall sort keeping also quite well for winter use. Has large ivory white roots of excellent quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**FRENCH BREAKFAST.**—Medium size, quick growth and fine quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**EARLY LONG SCARLET SHORT TOP.**—Very popular for family use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

**EARLY SCARLET TURNIP.**—Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 50c.

**CALIFORNIA MAMMOTH WHITE.**—Winter sort; flesh white, excellent quality, largest of all. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 35c, lb. 55c.

**LONG BLACK SPANISH.**—A fine winter sort. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**GIANT WHITE STUTTGART.**—Flesh and skin white, crisp, mild and good flavor. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**MIXED RADISHES.**—A mixture of over twenty choice varieties of early, medium and late radishes. This will give you radishes all summer, and you will be surprised at the results. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

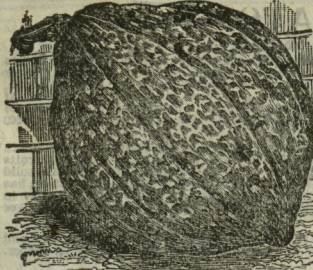
the quickest growing sorts, and tops are so small as to admit of planting so many in the garden or in hotbeds you can depend on a remarkably perfect, early and uniform crop. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 55c.



NEW GOLDEN DRESDEN.

IMPROVED CHARTREUX.





EARLY PROLIFIC MARROW.

**WHITE BUSH SCALLOPED.**—Similar to the Golden Bush. Color creamy white; an excellent variety for the family garden for early use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**EARLY BUSH CROCKNECK.**—Splendid summer sort, early, productive, very fine quality. With all the new varieties recently brought out many claim that there is no summer squash superior to this. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**SIBLEY, or PIKE'S PEAK.**—Originated in Iowa. We recommend this as the very best standard variety of winter squash. Claimed to be a great improvement on the Hubbard. The shell is pale green in color, very hard and flinty, but at the same time so thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick and a bright orange yellow color, dry, and has a rich, delicate flavor peculiarly its own; more productive and a better keeper than either the Hubbard or Marblehead and we prefer it for our own table use. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**MAMMOTH CHILL.**—The "Jumbo" of the Squash family. The form is round, flattened at both stem and blossom end. The outer color is a rich orange-yellow; skin is quite smooth, with wide fissures. Flesh is very thick and of a rich yellow color; the quality is good and nutritious. They are most profitable to grow for stock feeding. They keep well throughout the entire winter. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**ENGLISH VEGETABLE MARROW.**—A favorite English sort. The fruit is variable in size, from nine to eighteen inches in length. Skin is greenish yellow, flesh white, soft, and of rich flavor. Plants eight feet apart. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

## SPINACH.

One ounce will sow about 80 feet of drill; ten pounds to the acre.

This is the finest "greens" of any plant in cultivation. For summer, sow early in spring in deep, rich soil, in drills one foot apart; cover one inch. Sow at intervals of two weeks throughout the season. For very early spring use, sow the winter varieties first of September, and protect by covering with straw. Packets contain about 800 seeds.

**NEW VICTORIA.**—This new variety is distinguished for its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary Long Standing. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to withstand the winter in this locality. It outgives every other variety, and stands longer before going to seed than other sorts. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**NEW ZEALAND.**—Very useful to supply the place of the ordinary Spanish during the hottest months of the year, or in dry, arid localities. A great acquisition and the most valuable of all for either the market or family garden. One plant will cover a space of ground three or four feet square, a few plants will supply a family with this delicious vegetable from July to October. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



VICTORIA SPINACH.

## SQUASH. THE FAXON SQUASH

One ounce early varieties will plant about forty hills; one ounce late will plant about twenty hills; 3 to 4 lbs. to the acre.

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

**EARLY PROLIFIC MARROW.**—Early and productive—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. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**GOLDEN BUSH.**—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all squashes. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



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**FAXON.**—The flesh is a deep orange yellow—very small and seeds few; the special regularity, however, is that while uncooked it appears to have a shell like any squash, but when cooked there is practically none, the shell or inedible part, being only about as thick as a sheet of wrapping paper. It is sweet, very dry, matures early and can be used as a summer squash. The vines are somewhat longer than most other sorts and fruit varies in color but these seem to be its only defects. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 70c.

## COLLECTION OF Hubbard Squashes.

**TRUE HUBBARD.**—This old variety has for years stood the test of all rivals, and is the most popular winter squash grown. Hard, green shell; flesh bright orange yellow, fine grained, very dry, sweet and of rich flavor; keeps in perfect condition throughout the winter. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**WARTY HUBBARD.**—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the best features of a long-keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweeter the flesh. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 75c.

**GOLDEN HUBBARD, also called RED HUBBARD.**—This is a counterpart of the old Green Hubbard, except in color, which is a bright, deep orange-yellow, much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far exceeds the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**BLUE HUBBARD, or MARBLEHEAD.**—A splendid winter variety. Shell very hard, of a light blue color; flesh similar to the Hubbard in quality. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 65c.

**WHITE HUBBARD, or WHITE CHESTNUT.**—The outside skin is a creamy white while the flesh is lemon yellow, fine grained, sweet, most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 75c.

**COLLECTION:** One packet each of the above five Hubbard's for 20 cts.

**LONG STANDING.**—A standard with gardeners. Leaves thick, fleshy and crumpled. Slow in running to seed, hence its great value for spring sowing. The leaves are round, large, unusually thick, deeply curled, and of a fine dark-green color. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 15c, lb. 45c. By express 5 lbs. \$1.40.

**FRICKLY, or WINTER.**—A very hardy variety, and will withstand the severest weather with only a slight protection of leaves or straw. The seed is prickly, leaves triangular, oblong or arrow shaped. It is used for fall sowing. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

**WOMBSHALL.**—A Savoy-leaved variety bearing numerous succulent curled leaves. Very popular. Per pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.



NEW ZEALAND SPINACH.



# THE EARLIEST TOMATO IN THE WORLD



BA. LY MINNESOTA.

**WHITE'S EXCELSIOR**—Claimed to be the best purple tomato ever introduced and we have really been surprised to see what an exception the fruit is of a dark, glossy, purplish red, very large, handsome, and nearly solid, which is a peculiarity, as most purple sorts like the Acme, are very full of seed. It is also unlike other purple sorts in that the skin is tough, so that they will bear long shipping and rough handling exceedingly well. By our illustration the very unusual depth of the fruit will be noticed as they are not flat like many of her sorts. The vine is of dark green color, a vigorous grower and sets the fruit in clusters, continuing to bear throughout the season. Per pkt. 5c. oz. 30c. ¼ lb. \$1.00, lb. \$3.25.

**MATCHLESS**.—Well worthy of its name for in beauty of color and symmetry of form it is indeed without a peer. The vines are of strong vigorous growth, well set with fruit. They are entirely free from core of a very rich cardinal red color, and not liable to crack from wet weather, of largest size, and the size of the fruit is maintained throughout the season. Solid, of fine quality, and keeps well. Per pkt. 5c. oz. 30c. ¼ lb. 5c. lb. \$1.80.

**LIVINGSTON'S BEAUTY**.—Originated with the late Mr. A. W. Livingston, of Franklin county, Ohio, and is one of the best ever introduced. Its beauty, size, shape, color, flavor, durability, and productiveness make it desirable to all classes of tomato growers. Glossy crimson with slight tinge of purple. Pkt. 5c. oz. 15c. ¼ lb. 50c. lb. \$1.50.

**HONOR BRIGHT**.—A splendid new variety, having singular color-changes of fruit during its development. It is at first of a light green color, then turns to a waxy white, next lemon and finally to a rich bright red. Its long keeping quality makes it especially valuable for shipping long distances. The fruit is of good size, solid, the vines vigorous and productive, and the tomatoes of excellent quality. Per pkt. 5c. oz. 25c. ¼ lb. 75c.

**DWARF CHAMPION**—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 almost self-supporting when laden with fruit. In productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color, always smooth and symmetrical and the flesh solid and of fine quality.

Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky. Per pkt. 5c. oz. 20c. ¼ lb. 50c. lb. \$1.50.

**CRIMSON CUSHION**—The Best Climbing Variety. Persons who have only a small garden will appreciate this variety which can be grown on trellises and in this way three or four times as much fruit can be grown on the same space. It grows 7 to 10 feet high, if desired, but as most of the fruit is borne three or four feet from the ground well out of the reach of the chickens. It is just as well to trim off the tips. Fruit is extremely large, exceeding any variety on our list. Seeds are few and near the outside, leaving the center solid pulp, which ripens evenly throughout before the outside appears ripe, an elegant sort for slicing or putting up. Pkt. 10c. oz. 50c.

**MIXED TOMATOES**. For the advantage of some of our customers who would like to try all kinds, we have prepared this mixture of the varieties named above and several others, which we think will please all. Per pkt. 5c. oz. 30c.

CRIMSON CUSHION

# TOMATO.

One ounce will produce about 2,500 plants

Sow early in hotbeds 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 growth. When all danger of frost is past transplant to the 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 least of all the development of fruit. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain about 500 to 1,000 seeds.

**BOND'S EARLY MINNESOTA**.—This handsome new variety is, we believe, the earliest in existence. Vines vigorous with rather small leaf. With quite small begin producing fruit which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. Thos. H. Brinton, who grows about 100 varieties of tomatoes, has originated several of our best sorts, and who may be called the best posted man on tomatoes in the United States, writes us: "Bond's Early Minnesota is the best early tomato I have ever tried." Per pkt. 5c. oz. 20c. ¼ lb. 50c. lb. \$2.00.

**IMPERIAL**.—The fruits are perfectly smooth, very early, purple color, very deep, solid and thick meated, ripening up well around the stem. It is an immense cropper and a long keeper. Per pkt. 5c. oz. 25c. ¼ lb. 75c. lb. \$2.00.

**STONE**.—Very large, and of bright scarlet color: smooth; ripening evenly to the stem; exceedingly solid: is an excellent shipper; quality is the best. Pkt. 5c. oz. 20c. ¼ lb. 50c. lb. \$1.75.

**DWARF ARISTOCRAT**.—Resembles the Dwarf Champion in every respect except in color of the fruit, which with the Aristocrat is a rich, glossy red. In size, productiveness, smoothness, flavor, etc., it is excellent. It is desirable for greenhouse or forcing under glass. Per pkt. 5c. oz. 25c. ¼ lb. 30c. lb. \$2.25.

**GOLDEN QUEEN**.—An improvement on the old yellow Trophy. Per pkt. 5c. oz. 25c. ¼ lb. 75c.

**LEMON BLUSH**.—The skin and flesh are a bright lemon yellow with a faint rose blush or crimson tint diffused over part of the surface opposite the stem. It may never become a popular market sort, but anyone desiring a choice table variety for home consumption should not fail to have it. Per pkt. 5c. oz. 30c.

**CRIMSON CURRANT**.—A most charming little fruit, which is quite small, hardly more than a half inch in diameter, of bright crimson color, and borne in long clusters containing 20 to 40 berries or tomatoes. Excellent quality for eating from the hand, or preserved. Per pkt. 10c. oz. 40c.

**YELLOW PEAR**.—A favorite with all who know them. The fruit is pear shaped and of a handsome deep yellow color; flesh yellow, solid and fine flavored. Highly esteemed as a table delicacy raw, but more used for preserving, or to make "tomato figs," also excellent pickled. Pkt. 5c. oz. 20c. ¼ lb. 75c.

**STRAWBERRY**.—For description see page 8. Pkt. 5c. oz. 15c. ¼ lb. 50c.

**PERFECTION**.—Per pkt. 5c. oz. 15c. ¼ lb. 50c.

**ATLANTIC PRIZE**.—An excellent early variety. Per pkt. 5c. oz. 20c. ¼ lb. 50c.

## OTHER LEADING VARIETIES.

Trophy	Pkt. 5c.	Oz. 15c.	¼ lb. 50c.	Lb. \$1.50.
Acme	5c.	15c.	50c.	1.50
Favorite	5c.	10c.	35c.	1.20
Ponderosa	5c.	25c.	85c.	3.10
Yellow Plum	5c.	25c.	75c.	2.25



DWARF CHAMPION.



## THREE TABLE TURNIPS

## TURNIP.

One ounce will sow  
150 feet - 1 drill,  
100 lbs. will sow  
one acre

For early, sow in  
April in drills half  
an inch deep and 15  
inches apart, thin to  
six inches apart in  
the drill. For main  
crop sow broadcast  
during July and Au-  
gust, and just before  
or during a shower  
time if possible. The  
soil should be rich  
and mellow and free  
from weeds.

**EXTRA EARLY  
PURPLE TOP MI-  
LAN.**—One of the ear-  
liest early in culti-  
vation. The ball is very  
flat, of medium size,  
quite smooth, with a  
bright purple top,  
leaves few, short, and  
of light color, grow-  
ing very compact and  
making exceedingly  
small, strap leaved  
top. Per pkt. 5c, oz.  
10c, ¼ lb. 25c, lb. 50c.

**EARLY SNOWBALL.**—A globe shaped, white-skinned turnip, which  
is exceedingly productive. The flesh is fine grained, firm, and of very  
delicate flavor. It is one of the best keepers of the white fleshed sorts,  
very early, and particularly adapted for family or market use. Per  
pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

**SCARLET KASHMYR.**—This new, extra early bright scarlet turnip,  
has a striking resemblance to a large radish. The flesh is white and  
crisp. Matures almost as quickly as the earliest radish, and when  
cooked is of unsurpassed quality. A good keeper, and with  
its beautiful scarlet color, early maturity and fine quality,  
is entitled to a place among garden favorites. Pkt. 5c, oz.  
10c, ¼ lb. 25c, lb. \$1.00.

**EARLY WHITE EGG.**—Very early and particularly desir-  
able for the table. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

**PURPLE TOP STRAP-LEAVED.**—The standard for this  
part of the country for late planting. Round, flat, good  
sized, small top, with but few leaves; flavor good. Per pkt.  
5c, oz. 10c, ¼ lb. 25c, lb. 50c, 5 lbs. or more, not prepaid, @ 25c.

**PURPLE TOP GLOBE.**—Similar to above, except shape.  
This is the largest yielding of any turnip on the list, and very  
desirable for table use or stock. Per pkt. 5c, oz. 10c, ¼ lb. 25c,  
lb. 50c, 5 lbs. or more, not prepaid, 40c per lb.

**BREADSTONE.**—While of the Ruta Baga type, they are  
of such extra fine quality they deserve to be classed with  
the best table turnips. The flesh is white, fine grained,  
tender and sweet. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

**YELLOW ABERDEEN.**—Excellent for cattle feeding. Per  
pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

**MIXED TURNIPS.**—All the table varieties of turnips  
mixed in suit. proportion. A desirable mixture for family  
use. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

## RUTA BAGA.

Sow not later than June, in drills two feet apart, and thin  
out to eight inches in the row.

**MONARCH.**—This grand, new and distinct form of the  
ruta baga, is, we believe, by far the best of all. The bulbs  
are of tankard shape, with very small neck, skin dark red  
above ground and yellow below, flesh rich yellow, fine  
grained and best quality. Only variety succeeding on our prairie soil.  
Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

**IMPROVED AMERICAN.**—Very solid, fine quality, valuable for  
the table and for feeding stock; good shape; small neck; smooth  
skin; keeps well; a choice strain. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 50c.

**EARLY WHITE MILAN.**—Much like the above, but it is pure white  
all over, instead of having purple top. Quite popular with gardeners.  
Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. \$1.00.

**GOLDEN BALL OR ORANGE JELLY.**—A very beautiful and bright  
yellow turnip of medium size and of universally sweet and delicious  
flavor. It is hardy and one of the best of keepers. Flesh extremely  
firm and solid. Always brings a good price in the market. Per pkt. 5c,  
oz. 10c, ¼ lb. 25c, lb. 50c.

## 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. Better write for special quotations if you desire a large lot. Beans and peas are very short crop, prices advancing.

BEANS.			BEANS—Continued.			PEAS.		
	PK.	BU.		PK.	BU.		PK.	BU.
Henderson's Bush Lima.....	\$1.85	\$9.75	Mammoth Horticultural.....	\$2.50	\$9.50	Iowa Challenge.....	\$1.25	\$4.50
Burpee's Bush Lima.....	2.50	9.00	Out Short.....	1.85	6.50	Alaska.....	1.40	3.25
Stringless Green Pod.....	2.00	7.25	Golden Cluster.....	2.25	8.25	First and Best.....	1.20	4.00
Early Molokai.....	1.50	6.00	SWEET CORN.			Early Wonder.....	1.20	4.00
Refugee, or Thousand to One.....	1.50	6.25	Early Sunrise.....	1.00	3.40	American Wonder.....	1.85	6.75
Improved Early Valentine.....	1.25	6.75	Extra Early Cory.....	.85	2.75	Premium Gem.....	1.40	5.00
Large White Marrow.....	1.25	4.25	Early Minnesota.....	.75	2.50	Nott's Excelsior.....	1.75	6.25
Long Yellow Six Weeks.....	1.40	4.75	Crosby's Early.....	.75	2.50	Juno.....	1.40	4.75
Davis' White Wax.....	2.00	7.25	Champion Early.....	.90	3.00	Dwarf Champion.....	1.50	6.50
Scarlet Fingert Wax.....	1.85	6.75	Stowell's Improved Evergreen.....	.90	3.00	Abundance.....	1.50	4.75
Wardwell's Kidney Wax.....	2.00	7.00	Mammoth Sweet.....	.75	2.50	Grades, or Prosperity.....	3.25	12.00
Improved Golden Wax.....	1.75	6.25	Black Mexican.....	1.00	3.50	Champion of England.....	1.10	3.75
Black Wax.....	1.75	6.25	Country Gentlemen.....	1.00	3.25	Improved Stratagem.....	1.50	6.25
Rogers' Lima Wax.....	1.85	6.75	Fodder Corn (sweet).....	.50	1.60	Telephone.....	1.50	6.50
Yosemite Mammoth Wax.....	2.25	8.00	(60 lbs. bu.)			Everbearing.....	1.40	4.75
California Branch or Prolific Tree.....	1.15	4.00	Page's New Striped Rice.....	1.25	4.50	Mammoth Luscious Sugar.....	1.75	6.00
White Dutch Case Knife.....	1.75	6.25	Monarch White Rice.....	.90	3.00	Dwarf White Marrow.....	.85	2.75
King of the Garden Lima.....	2.00	7.25	Mapleleaf Prolific.....	1.00	3.25	Black Eyed Marrow.....	.85	2.75
Lazy White's.....	2.10	9.00	Queen's Golden.....	1.00	3.25	FIELD PEAS.—See list of Field Seeds.		
Old Homestead.....	2.25	8.50	FIELD CORN.—See pages 23 to 31.					

FIELD CORN.—See pages 26 to 31.

FIELD PEAS.—See list of Field Seeds.



# RARE, CURIOUS AND VALUABLE VEGETABLES.



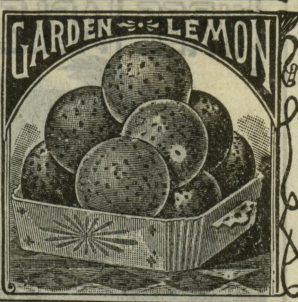
**VINE PEACH.**—A splendid novelty which was introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies or preserving, they are superb. Receipts for preparing them for the table will be sent with each packet. In the west and northwest, where fruit is scarce, they are becoming 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. Per pkt. 5c. oz. 15c. ¼ lb. 50c.

**GARDEN LEMON.**—Introduced by us and it has been highly praised. It resembles the Vine Peach in manner of growth. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, has thinner flesh, and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Per pkt. 5c. oz. 15c. ¼ lb. 50c.

**ORNAMENTAL POMEGRANATE.**—A very interesting and ornamental little fruit, which a century ago was commonly grown in the gardens but is now rarely seen. Grown on a pretty vine; fruit is round, of a bright yellow, irregularly striped with orange, red or mahogany; very fragrant; a single specimen will sweetly perfume a room for many days. Prolific and easily grown. It is often called Queen Anne's Pocket Melon. Per pkt. 5c. oz. 25c.

**ORNAMENTAL MICE.**—The vegetable curiosity which has attracted so much attention. It is a native of Central Africa, having a small, neat-growing vine and bears numerous oval fruits, clear green in color, two and a half to three inches long, which are always completely covered with long, light-green spines or hairs. It will be found useful for covering a sloping bank or rocky area and will produce great numbers of curious fruits. Pkt. 10c.

**CATERPILLARS.**—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities, and as a harmless practical joke, are



**CHINESE TEA.**—We are sure that many of our customers will be glad to grow this as a curiosity. If nothing else.

The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Can be kept growing in pots through the winter. About 10-100 lbs. of tea per year is grown by one man in South Carolina. Pkt. 10c.

**COTTON.**—This is grown as a curiosity in the north, and, if it is started early in the house, plants will be with cotton balls in autumn.

It is a perennial plant, the bloom is of a deep red plant with ripe cotton on much attention. Pkt. 5c. oz. 15c.

radish when growing. The pods are solid, crisp and tender; they taste "just like radish," other epicures insist that they more nearly resemble the water cress. The flavor is most agreeable and when half grown they can be eaten on the table in the same way as roots of the common radish. In salads they will be highly esteemed and they make a good pickle. It is, however, when the pods are boiled that they are most delicious eating, like asparagus, and having a very delicate flavor. Per pkt. of 25 seeds 15c.

## MOUGRI.

A wonderful vegetable from the island of Java, which is greatly liked by the natives. It is a great curiosity and if once seen it will never be forgotten. The plant grows to a height of 18 to 20 inches, but the great oddity of it is that the pods are very long, sometimes two or three feet, much longer in fact than the plant is high. The plant is of easiest culture. Seed may be sown early and transplanted when well started, two or three feet apart each way.

## Complete Garden Collection.

A Bargain in Seeds.  
38 Varieties for \$1.00.

All Good Desirable Sorts. Sure to Please You.

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| Improved Golden Wax Beans.         | Improved Green Nutmeg Musk Melon. |
| Old Homestead Pole Beans.          | Duke Jones Watermelon.            |
| Crosby's Egyptian Bean.            | Large Red Watermelon.             |
| Hudson's Snow-white Cauliflower.   | Mammoth Priketzel Onion.          |
| Washington Wakefield Cabbage.      | Not's Excelsior Peas.             |
| Shortstem Drumhead Cabbage.        | Non Plus Ultra Radish.            |
| Oxheart Carrot.                    | Improved Chartier Radish.         |
| Golden Self Blanching Celery.      | White Strasburg Radish.           |
| Early Sunrise Corn.                | Improved Table Gurnsey Turnip.    |
| Country Gentleman Corn.            | Ruby King Pepper.                 |
| Extra Curled Cress.                | Sibley Squash.                    |
| Japanese Climbing Cucumber.        | Long Standing Spinaech.           |
| Perfect White Spine Cucumber.      | Mammoth Sandwich Island Salsify.  |
| Improved Ground Cherry.            | Market Gardeners Parsley.         |
| American Mammoth Brussels Sprouts. | Early Minnesota Tomato.           |
| Page's Striped Rice Pop Corn.      | Matchless Tomato.                 |
| Iceberg Lettuce.                   | White Egg Turnip.                 |
| Improved Hanson Lettuce.           | Purple Top Strap Leaf Turnip.     |
|                                    | Monarch Ruta Baga.                |
|                                    | Vine Peach.                       |

Total 38 full sized packets sent postpaid for \$1.00; at regular catalogue price they amount to \$2.20.

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 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.

### All Five Cents Per Packet.

- |                                  |                            |                               |
|----------------------------------|----------------------------|-------------------------------|
| Anise ..... Oz. 10c              | Chamomile ..... Oz. \$1.50 | Ene ..... Oz. 30c             |
| Balm ..... Oz. 30c               | Dill ..... Oz. 15c         | Saffron ..... Oz. 15c         |
| Broad Leaved Thyme ..... Oz. 30c | Dandelion ..... Oz. 30c    | Sweet Basil ..... Oz. 30c     |
| Borage ..... Oz. 15c             | Fennel ..... Oz. 15c       | Sweet Marjoram ..... Oz. 30c  |
| Caraway ..... Oz. 10c            | Hyssop ..... Oz. 30c       | Sage ..... Oz. 15c. ¼ lb. 50c |
| Coriander ..... Oz. 10c          | Morehound ..... Oz. 30c    | Tansy ..... Oz. 50c           |
| Catnip ..... Oz. 50c             | Lavender ..... Oz. 25c     | Winter Savory ..... Oz. 30c   |
| Castor Oil Plant ..... Oz. 10c   | Opium Poppy ..... Oz. 30c  | Summer Savory ..... Oz. 25c   |
|                                  | Rosemary ..... Oz. 45c     |                               |

Mixed Varieties.—A mixture of all the above. Nice garden assortment. Oz. 25c.

### WHAT OUR CUSTOMERS SAY.

I have planted your seeds for several years and find them to be the best. Your Bargain seeds give good satisfactory action.—Mrs. W. D. McFarland, Humboldt, Iowa.

I would like to say in regard to the seed I ordered last year that they give good satisfaction and I was well pleased with them.—Mrs. John Gulick, Lansing, Iowa.

I received the seeds all right and am much pleased. They are nearly all up and are doing nicely. I enclose another order.—Mrs. Nellie Hillman, Luther, Iowa.

I wish to say that seeds and plants bought of you last spring were a great success.—Miss E. M. Collier, Malcom, Iowa.



# Vegetable Plants.

All grown and lightly packed to carry long distances. They can be shipped fresh, well packed at the beds, on a day's notice.

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 either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

**CABBAGE PLANTS—Early Varieties.**—Ready April 10th.—Extra Early Express, Jersey Wakefield and Washington Wakefield. By mail, 100 75c; by express 100 50c; 1,000 \$3.50.

**CABBAGE PLANTS.**—Late Varieties.—Ready May 10th.—Succoth, Premium Flat Dutch, Shortstern Drumhead and Perfection Drumhead Savoy. By mail 100 75c; by express 100 10c; 1,000 \$2.00.

**CALIFLOWER PLANTS.**—Ready April 15th.—Henderson's Snowball. By mail doz. 25c; 100 \$1.25; by express 100 \$1.00; 1,000 \$7.00.

**CELERY PLANTS.**—Ready May 1st.—Golden Dwarf, White Plume, Golden Self-Blanching and Rose Ribbed Self-Blanching. By mail, doz. 20c; 100 \$1.00; by express 100 60c; 1,000 \$4.00. After June 10th \$3.00 per 1,000.

**EGG PLANTS.**—Ready May 1st.—New York Improved. By mail, doz. 25c; 100 \$1.25; by express 100 \$1.00.

**PEPPER PLANTS.**—Ready May 1st.—Ruby King, Large Bell and Red Chili. By mail, doz. 25c; 100 \$1.00; by express 100 75c.

**TOMATO PLANTS.**—Ready May 1st.—Strong, transplanted plants. Dwarf Champion, Band's Minnesota Beauty, Matchless, Crimson Cushion and Golden Queen. By mail, doz. 25c; 100 \$1.00; by express 100 75c; 1,000 \$5.00. Not transplanted, 50c per 100; \$3.00 per 1,000.

**GROUND CHERRY.**—Ready May 1st.—Improved Yellow. By mail, doz. 25c; 100 \$1.25. By express, \$1.00 per 100.

**SWEET POTATO PLANTS.**—Ready May 1st.—Plants strong, vigorous, well-rooted and hardy. We can furnish either the Yellow Nansamond or the Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100 60c; by express 100 25c; 1,000 \$2.00. New Vineless—See page 42—60c per 100; postpaid; by express 100 40c; 1,000 \$3.00.

## HORSE RADISH SETS.

One of the most valuable vegetables for an appetizer and it is so much nicer to have it in your own garden and grate it freshly. We have the small roots or sets which may be planted at any time in the spring. Set them small and down in rows two feet apart and about eighteen inches apart in the row. They will do better in rich, loose soil set slanting and covered two inches. Nice sets 25 cts. per doz., \$1.00 per 100; postpaid, 75c per 100 by express.

## GARLIC.

A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. Divide a bulb into small parts and plant them in early spring in rows one foot apart, and from two to five inches between plants in the row. The crop matures in August, when it is harvested like onion. We furnish sets of the best and earliest variety at 40 cts. per lb. postpaid. By express 30 cts. per lb., 10 lbs. \$2.50.



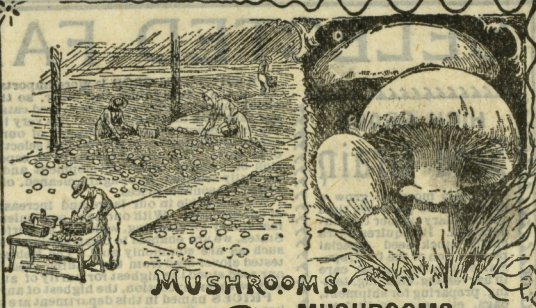
GARLIC ROOTS.

## BOTTOM ONION SETS.

**RED TOP, or BOTTOM SETS.**—These are the old-fashioned sets still largely called for in some sections. Per pt. 15c, qt. 30c, pk. 75c, bu. \$3.00.

**PERENNIAL, or WINTER.**—Also called Egyptian and Tree onions. May be set out in the spring, but are usually set in the fall. Come up year after year without the slightest winter protection, and produce the earliest spring onions. Per pt. 15c, qt. 25c, pk. 50c, bu. \$1.50.

Your seeds were very satisfactory last year. In fact my garden was the best in all this country.—Mrs. W. W. Smith, Wagar, Ala.



## MUSHROOMS.

### MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, wood-shed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call special attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. In market they are always wanted and sell readily at paying prices. There seems no limit to the demand and an oversupply is seldom known. We recommend the English mushroom spawn as generally the better both for the market gardener and the private planter. Directions for culture sent on application. Per lb. 30c postpaid. 5 lbs or more, not prepaid, @ 15c per lb.

## RHUBARB ROOTS.

These may be planted early in spring or 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 for many years.

**MAMMOTH.**—The standard for general use. Each 15c. 5 for 50c, doz. \$1.00.

## ASPARAGUS ROOTS.

It pays to have a small bed of asparagus so as to gather it fresh from your garden, and when once set a bed will last many years. The roots which we offer are strong, healthy roots. Ask for circular giving directions for planting, etc.

**PALMETTO, or CONOVER'S COLOSSAL.**—@ 25c per doz., \$1.25 per 100, postpaid. By express or freight, per 100, 75c; 1,000, \$5.00.

**COLUMBIAN MAMMOTH WHITE.**—(See description on page 2) 40c per doz., \$1.50 per 100, postpaid. By express per 100, \$1.00; 1,000, \$9.50.

## ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. While it is much cheaper to grow onions from seed still it is considerable work to keep them weeded and many of our customers who have only a small garden prefer to grow them from the sets, and gardeners plant large quantities of sets for the early spring market. Our stock is carefully grown and is very fine. Price by the pint and quart include payment of postage (deduct 15c per quart if by express). Price by the peck and bushel is subject to market variation, and they are shipped at buyer's expense. The sets are sold 25 lbs. per bushel; all other kinds are measured—stroke measure. If you want a large lot write for prices.

## POTATO ONION SETS.

**WHITE BOTTOM SETS.**—The bottom onion sets grown from seed are the most popular of all and the finest and best for early use and large onions. The white sets are most popular with gardeners and look the nicest for early use on the table. Per pt. 20c, qt. 35c, pk. \$1.00, bu. \$3.75.

**YELLOW BOTTOM SETS.**—Like above except the color. Per pt. 15c, qt. 30c, pk. 75c, bu. \$2.75.

**RED BOTTOM SETS.**—Like above except that they are of dark red color. Very hardy. Per pt. 15c, qt. 30c, pk. 75c, bu. \$2.75.

**POTATO, or MULTIPLIER ONION SETS.**—Early cropper; matures quickly; mild and of sweet flavor. Per pt. 20c, qt. 35c, pk. \$1.00, bu. \$3.75.

**WHITE MULTIPLIER ONION SETS.**—Of a pure silver white color, or enormously productive, frequently producing as many as twenty bulbs in a single cluster from one bulb planted; of excellent quality and size for bunching; very early. Per pt. 20c, qt. 35c, pk. \$1.00, bu. \$3.75.

I must say the seeds and plants purchased of you last year were fine.—Mrs. E. E. Orsmond, Huxley, Iowa.

## ONION SETS.

## EGYPTIAN OR PERENNIAL ONION SETS.





# SELECTED FARM SEEDS.

## HIGH GRADE Seed Grain

It costs more to grow a crop for seed purposes than the ordinary farmer can understand. It requires extra choice stock seed, special preparation of the land, special cultivation, great care in harvesting, cleaning, testing, preparing for shipment, bags, etc., etc., so that we are obliged to ask a considerable advance over market prices, but any intelligent farmer will agree with us that such pedigreed seed is well worth to him the price we ask for it.

## It Pays TO SOW The Best.

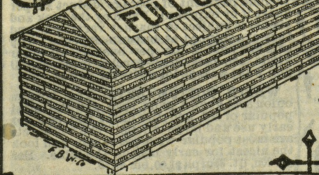
It costs less than 25 cents an acre to use our carefully selected seed corn.

This is our great specialty and we claim to supply more farmers with seed corn each year than any firm in the United States, that means that the Iowa Seed Store may well be called the world's headquarters for choice seed corn. We ship annually to every state in the Union and to almost every country in the world where they can grow corn, our largest foreign trade being in South Africa, Australia and New Zealand. We are in the center of the best corn growing country of the world, where the soil and climate are peculiarly adapted to its culture and now we can say without fear of contradiction, that for the season of 1901 we have the best supply of seed corn ever offered by any seed firm in the world. The necessity of planting the very best varieties is plain, and it will not pay you to experiment with the many sorts which we have tried and found worthless, nor to purchase from unscrupulous dealers. The varieties of field corn we offer are the best now in use. They are grown especially for seed purposes, and well matured, cured, carefully sorted by our seed corn experts, and shelled with great care. Choice seed corn is scarce this year, and prices a trifle higher, but it will not pay you to buy doubtful seed at any price. All our seed corn is carefully tested, and none sent out that we are not certain will grow well under proper conditions. If not satisfactory on arrival and examination, it may be returned and we will refund money. If a large quantity is wanted ask for prices. No extra charge for bags.

## THOROUGHbred SEED CORN

who handle this grain, and are the best everywhere. The value of the average corn crop can be fully doubled by planting our improved varieties. Don't be satisfied with a second grade even if you can save five or ten cents per acre in cost of seed (one bushel plants 8 acres) but

\$\$\$  
FARM CORN



Your famous Iowa Silver Mine Corn yielded a big crop this year.—L. Frater, Escambia Co., Fla.

Your Iowa Silver Mine Corn grew splendidly and ripened sufficiently to make seed corn 100 miles north of St. Paul.—Francis Maddox, Crow Wing county, Minn.

The 70 acres of corn we planted with seed from your firm, is the best field corn in this county. It runs from two to five ears on each stalk.—D. M. McKindley, Kane county, Ill.

The Iowa Silver Mine Corn was badly injured by a severe hail storm, but still it matured and yielded well. We intend to plant largely of it another year.—C. A. Graves, Fillmore Co., Minn.

My crop of Iowa Silver Mine Corn was greatly injured by a storm in July, but still it yielded a crop of 100 bushels per acre, and 12 ears selected from it took three first prizes at state fairs. It is a world-beater.—S. D. Maddock, Champagne county, Ill.

## SEED CORN

We are proud to say that the **IOWA SEED STORE** is now recognized as headquarters for thoroughbred seed corn, and the varieties which we have originated or introduced are now listed by the most successful seedsmen in America, Europe and Australia. We are proud to say that the **IOWA SEED STORE** is now recognized as headquarters for thoroughbred seed corn, and the varieties which we have originated or introduced are now listed by the most successful seedsmen in America, Europe and Australia.

Send your order direct to Headquarters for Seed Corn and get the best.

## Read the Record

Full Cribbs, Fat Hogs,  
And Money in the Pockets of Farmers who Plant Our Choice Iowa Seed.

## Read All of These Testimonials.

The Iowa Silver Mine Corn grows the biggest, deepest kernel and made the best corn by far of any variety that I had and far exceeds any other variety in yield.—G. L. Morach, LaSalle county, Ill.

Your prominent Polk county farmer says: "Profit Corn has outyielded every other variety on my place. Ears are large, extremely solid and grain is deep, and it shells out more than other sorts." Your Profit Corn is a splendid variety, and I was much pleased with it, and will plant it largely next season.—P. O. Sheckler, Stevenson county, Ill.

Your Profit Corn was very satisfactory this year, although I planted it quite late in the season. Silver Mine Corn was also excellent and so were the seed potatoes received from you.—M. Lewis Schwab, Sullivan county, Mo.

The best at 22,000 ears farm. On this estate comprising about 22,000 acres, there were grown this year nearly 10,000 acres of corn, including about all known standard sorts suited to this latitude, and we consider that of the white varieties the Silver Mine is the purest, and in all respects the most satisfactory of all.—W. A. Bickett manager, Ford county, Illa.

Your famous Iowa Silver Mine Corn yielded a big crop this year.—Lewis Frater, Escambia county, Fla.

I find the Iowa Silver Mine to be the only really pure white corn. It has the best grain, the smallest cob and largest percentage of perfect ears of any corn I have ever tested, and I have grown about all the named varieties. You have in the Iowa Silver Mine a variety that combines more good qualities than any other, either white or yellow. Being a thoroughbred corn it has great flexibility of constitution, and this is adapted to any soil or climate. Your customers will find it a veritable "Silver Mine." If developed with a plow and cultivator instead of a pick and shovel.—J. H. Beagley, Editor of American Corn Journal.

Your new Iowa Silver Mine corn is the earliest white corn I have ever seen. Ears of good size and in many instances producing two ears to the stalk. It is seldom one sees anything bred up to such perfection as your new corn.—W. O. Riddick, Lee county, Iowa.

## NOVELTIES For profit in the corn field

be sure and notice the  
Early Longfellow Dent on page.....32  
Profit Corn on page.....49

As well as the varieties described on the next following pages



IOWA SEED COMPANY.

43

DES MOINES, IOWA.

## IOWA SILVER MINE CORN.

THE GREAT \$1,000.00 CORN—YIELDS 215 BUSHELS PER ACRE.

The most marvelous variety of corn ever offered, and one which will surprise everyone who plants it. Thousands of farmers have tried it and combed their crops and also made money rapidly by selling seed to their less enterprising neighbors. It is revolutionizing the corn growing of the country. Just think of this wonderful yield, 215 bushels per acre with ordinary culture. We don't blame some practical farmers for looking incredulous when this is mentioned; we did not believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our great specialty, and we claim to be corn experts, and in the spring of 1898, when we first saw this corn, we purchased the entire stock for \$1,000.00 cash. An offer of \$10.00 per pound would not have induced us to sell all we had of it, as we wanted to save it for our customers. Our judgment was correct, as proven by the crops, which were the most marvelous ever grown. Just think of it! The average corn crop of the United States is only 28 bushels per acre, and there was more than seven times this amount of Iowa Silver Mine grown on one acre. Would you like to grow this kind of a crop? Plant Iowa Silver Mine Corn—plant your whole farm to it. Adopt our new method of culture, which will be sent free to every one ordering this variety of seed corn from us.

**DESCRIPTION.**—Stalk grows to a height of about seven or eight feet, and sets the ears about three and one-half to four feet from the ground, just the right height for easy picking. One peculiarity we noticed in going over the field was that there were no barren stalks, every one had an ear. Many stalks had two or three good ears, and the originator says that has been characteristic every year that he has grown it. The type is very even. Ears measuring from ten to twelve inches in length, and weighing one and one-half pounds apiece, and are very uniform in size and shape, with sixteen to twenty straight rows, usually eighteen rows of deep, pure white kernels set on a small white cob, and the ears are well filled out over the tip. It is early, maturing in less than ninety-five days, and never has been caught by the frost. The corn dries out rapidly, so that it is ready for market earlier than any other white field corn in existence. In its yield it will surpass all other varieties of any color. Seventy pounds in the ear will make sixty-two pounds shelled. It is adapted to a wider range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, it will yield a paying crop where other varieties are grown at a loss. It is in every way a distinct type of corn and possesses many of the features which have made the Iowa Gold Mine so popular, while the ear is larger. It is hardy and a wonderful resister of drought.

**THE PRIZE RECORD.**—Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties both white and yellow, making a total of \$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine Corn. It captured the big prize offered by us in 1898 for the largest crop, against all other kinds of any color, yielding 215 bushels. At Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the world, and grand sweepstakes for the best corn of any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest corn crop grown on an acre, and the Iowa Silver Mine captured all three of them with crops of 196, 176 and 164 bushels per acre. No other corn of any color can compare with it in wonderful productivity.

Read the *Astonishing Record* of our own prize contest: It produced 215 bushels per acre in Scott county, Iowa; 211 bushels per acre in Indiana; 201 bushels per acre in Arkansas; 176 bushels per acre in Illinois; 145 bushels per acre in Nebraska; 144 bushels per acre in Ohio; 137 bushels per acre in Texas.

Average of above in 176 Bushels Shelled Corn per acre.  
Produced Immense Crop Everywhere. Our Customers all Exclaim with us.

**NOW FOR 1901.**—To every one who orders Iowa Silver Mine Seed Corn from us we will send free, full information as to how 215 bushels of corn were grown on one acre and instructions so that you can do as well. There is money in farming if you only know how. Don't be a snail; be progressive; adopt new methods and use good seed. Figure out what your profit would be if your crop were that large. It will pay you to plant your entire field with this variety. Get your neighbors to order with you.

**WARNING!** If you want pure Iowa Silver Mine Corn it must be purchased direct from us. Cost of pure seed is almost nothing (only about 20 cents per acre). One bushel per acre added to your crop will pay for it, and you can't afford to use doubtful seed.

Order Early—Sure to be in Great Demand.

**PRICE** Postpaid or by Express Prepaid: Per pkt. 6c, lb. 25c, 8 lbs. 60c, 7 lbs. (will plant an acre) \$1.00. Specimen ears 25c, each. By Freight or Express, Purchaser Paying Charges.—Per pkt. 8c, bushel \$1.50; 2 bushels or more @ \$1.40; 10 bushels or more @ \$1.25.

The Iowa Silver Mine Corn yielded 197 bushels of ear corn on one acre fully measured area. The yield was very nearly as large on my entire field of eight acres of this variety.—A. L. Oher, Boone county, Indiana.

The Iowa Silver Mine Corn did as well here as any variety. It was cut down twice by frost this year, but still it yielded 75 bushels per acre.—J. E. Olson, Nicollet county, Minn.

The seeds purchased from you produced the finest yield ever seen in our county. The Iowa Silver Mine Corn yielded 188 bushels to the acre.—W. A. Johnson, Mississippi county, Ark.

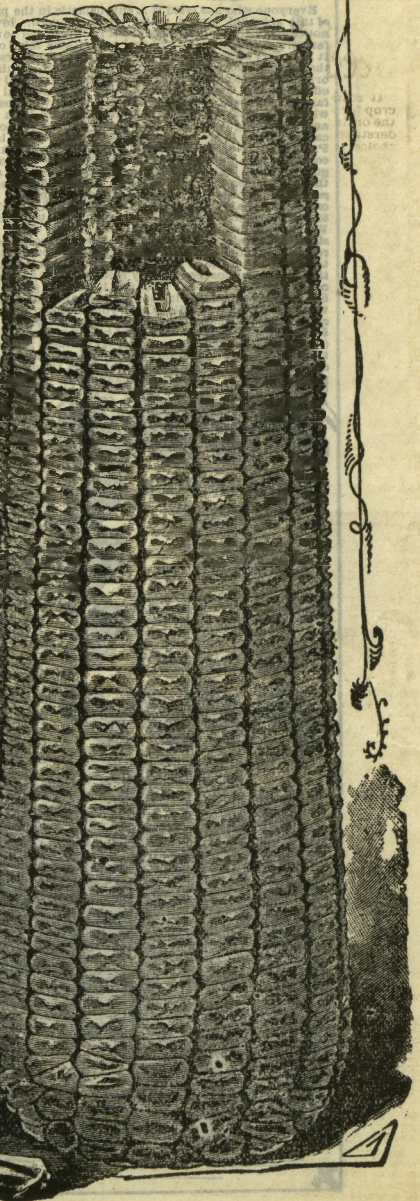
HURRAH!

THE IOWA SILVER MINE

Was again victorious at the Illinois State Fair in 1900, winning **FIRST PRIZE** with a crop of

205 Bushels per Acre.

At the Peoria Corn Exhibition it captured more premiums than all other varieties collectively.

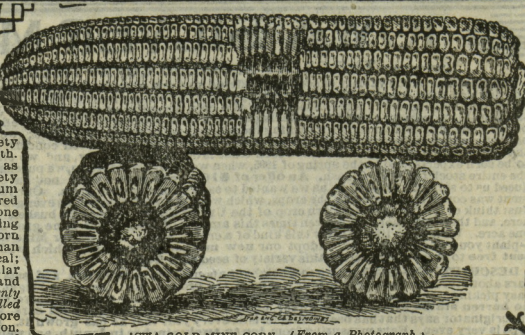




# Iowa Gold Mine Corn

The Best Variety of Yellow Corn  
In the World.

Everyone who has tried it is enthusiastic in the praise of this splendid variety which we introduced. Iowa is not called a gold mining state, but in this grand new variety farmers of this country will find a veritable mine of wealth. It has everywhere received the most cordial endorsement as the best and most profitable sort ever grown. This variety originated as follows: Twelve years ago a special premium offer brought sample ears of corn from several hundred farmers and seed growers and from these we chose the one which was most decidedly the best, and have been selecting and improving it until it is about as near perfection as corn can be made. It is early, ripening only a few days later than Pride of the North; ears are of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mine; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. *Sixty-two pounds of ear corn makes sixty to sixty-two pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same wagon.* We have shelled selected ears of this variety which produced *sixty-four pounds of shelled corn and only six pounds of cobs to the bushel.* This is an unparalleled record. It cannot be equaled by any other corn in the world. Thousands of our customers say they consider it the *best plus value* in corn; that it would be impossible to get any nearer perfection. We can most confidently recommend it as the acme of perfection and stake our reputation on its pleasing everyone who tries it. It will grade No. 1 in any market. We shall not be satisfied until every farmer in the United States has seen this grand new variety. Remember, if you want pure Iowa Gold Mine Corn, you must purchase it from us. Don't be deceived. If you purchase from your local dealer, insist on seeing that our label is on every bag, plainly marked Iowa Seed Company. We most highly recommend it to our customers in all parts of Iowa and other states in the same latitude. It matures perfectly up to the extreme northern tier of counties in Iowa, and some years does well in Minnesota. It will pay you to change your seed, and don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Notice our low prices this year. Per large package 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight, pk. 50c, bu. \$1.35, 2 bus. or more at \$1.25 per bu., 10 bu. or more at \$1.15.



IOWA GOLD MINE CORN. (From a Photograph.)

## ORDER EARLY.

LAST year we had an immense supply of IOWA GOLD MINE, but it was exhausted long before the season was over and we were compelled to refuse many orders for it.

## GRAINS OF GOLD.

We want to urge every farmer to send for A Sample of Our

## IOWA GOLD MINE CORN.

just as soon as he receives this catalogue. Don't be satisfied with old worn out mixed varieties. Compare these grains of gold with the corn you are growing, and if you find this better, order a supply early.

The Iowa Gold Mine Corn yielded three times as much as any other variety. Think it is the best corn I have ever seen.—C. H. Shearer, McHenry Co., Ill.

Your Iowa Gold Mine Corn was early, stood the drought remarkably well and produced 500 bushels of good sound corn. My neighbors, with as good or better conditions, either failed entirely or had only soft corn. I never made a more profitable investment in my life.—P. H. Furneaux, Arapahoe Co., Col.

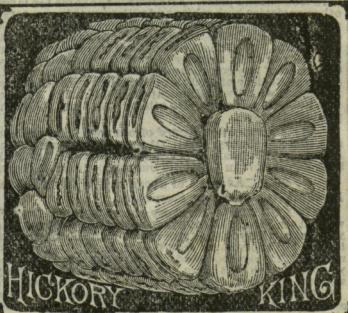
I grew 480 bushels of your Iowa Gold Mine Corn on four acres or an average of 120 bushels to the acre.—W. W. Preston, Warren Co., Ia.

Three years ago I got a bushel of Gold Mine Corn, and it was the finest corn in the country.—S. M. Phelps, Winnebago Co., Ill.

I bought of you several bushels of Iowa Gold Mine Corn that has proven very satisfactory.—Harry D. Burress, Green Co., Ill.

I have just harvested the Iowa Gold Mine and it is a grand corn. Our farmer is enthusiastic over it. The type and color are perfect.—J. H. Beagley, Ford Co., Ill.

The Iowa Gold Mine Corn is the best I ever saw and it is well adapted to this climate.—S. P. Reynolds, Dine county, Wis.



**HICKORY KING.**—A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost cover the cob section completely. Of strong, vigorous growth, and yields splendid crops on light soil, and is a desirable variety where the season is long enough to mature it, but we do not recommend it north of southern Iowa. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, per peck 75c, bu. \$2.00, 2 bus. or more at \$1.75.

**GIANT MEXICAN JUNE.**—A giant among corn, growing 10 to 12 feet in height with ears 10 feet from the ground. A grand variety for grain in the south, for the silo in the north, and a grand curiosity for every section. It is exceedingly leafy in its upper sections and this gives special value to it for the silo. A few stalks of this giant corn will make a grand sized ear. 2 1/2 c. lb. 15c, lb. 50c, postpaid. Per peck \$1.00, bu. \$3.50.

**LEGAL TENDER.**—This variety is the result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is productive, of uniform pure yellow color, ear very large and long, and a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and is small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness toward the point until near tapering off. It should be capped over and the kernels should hold their bigness toward the point and the butt run out straight and not unlike." It matures in about 115 days, but we do not recommend it for the extreme northern portion of this state. Our stock of this extra selection of this state. Our stock of this extra selection of this state. Our stock of this extra selection of this state. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, per peck 75c, bu. \$1.25, 2 bushels or more at \$1.10, 10 bushels or more at \$1.00.

LEGAL TENDER.



**IMPROVED EARLY MASTODON.**—For about fifteen years past Clark's Early Mastodon corn has been a prominent variety, owing to its wonderful productiveness and large sized ear. In the celebrated *American Agricultural* corn contest in 1889, the Early Mastodon out-yielded every other yellow corn in America. Mr. Alfred Iose, of New York state, raising 213 bushels of shelled corn to the acre. It was, however, rather late, and was frequently caught and greatly injured by an early frost. For nine years past, however, one of our most careful painstaking seed growers in central Iowa has been selecting it to obtain the earliest maturity possible and still retain its large sized ear and great productiveness. His success has been remarkable, and we now have an improved variety with mammoth ear, much smaller cob and deep grain. The butt of the ear is not so disproportionately large, it dries out quickly and ripens easily in 110 days, while it required 130 days for the old variety. Ears are quite even in size, and four of them weighing 64 lbs. took first prize at fair. Farmers who delight in a handsome, large eared variety, will be pleased with the Mastodon, and when the crop is harvested no one can fail to be delighted with the yield. The corn has a strong, rapid, vigorous growth, and is also desirable for fodder purposes. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.40, 10 bu. or more @ \$1.25.

Wm. Hester, of Dallas Co., Iowa, says: "I consider the Improved Early Mastodon the best and most productive variety of corn to grow both for market and feeding. It produces a larger crop than any corn I ever had."

## LENOCHER'S HOMESTEAD.

**LENOCHER'S HOMESTEAD.**—Well known in Iowa from having won the Iowa Homestead prize of \$100.00, yielding 345 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. This variety originated with Mr. G. F. Lenoche, one of the most practical farmers and corn growers in the state. Color varies from dark reddish yellow to almost black, but most of the ears are dark red with light colored cap; grain deep and hickled. Ears somewhat above the average size; cob small and hickled. It dries out rapidly, so that it has never been caught by frost. We believe it to be a safe corn to plant. Makes excellent corn for feeding, although its color is sometimes objectionable for marketing. Our seed has been carefully selected for seed purposes by the originator. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.40, 10 bu. or more @ \$1.25.

**EARLY LONGFELLOW DENT.**—See description on page 31. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight pk. 50c, bu. \$2.00, 2 bu. or more @ \$1.75.

**NEW CENTURY WONDER.**—A novelty, see page 49. Per pkt. 10c, lb. 40c, 3 lbs. \$1.00, prepaid.

**PRIMITIVE OR HUSB.**—See novelties, page 49. Per pkt. 10c.

**PREHISTORIC.**—Another corn wonder, described on page 49. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid.

**PROFIT.**—The most profitable corn for feeding. Ear is of good size and the heaviest and most solid of any variety we know of and it shells out immensely; color of surface of ear is variegated from light sulphur to bright orange. Per pkt. 5c, lb. 25c, 3 lbs. 60c, postpaid. By freight pk. 50c, bu. \$2.25, 2 bu. or more @ \$2.00. Your Lenoche's Homestead Corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.—Frank Degnan, Seneca County Ills.

## MINNESOTA KING.

**MINNESOTA KING.**—A very early variety in great favor with our customers in Minnesota, Wisconsin and the Dakotas, and it is considered there the most profitable and best yielding—no matter whether weather is favorable or not. It is a yellow half dent variety with broad, rich, golden-yellow kernels. Ear of fair size, with small cob and usually only eight rows. One Michigan farmer writes that Minnesota King Corn, yielded about 100 bushels per acre but this is more than the average yield, as it is not a large variety. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.35.

I planted the Mastodon Corn received from you on May 26th, and it grew ten to twelve feet high, and made the biggest ears I ever saw.—I. C. Tappin, Floyd Co., Iowa.

## IT PAYS TO THINK.

Just Consider This For A Minute.

The corn crop of Iowa averages 300,000,000 bushels, worth \$75,000,000.00. If our improved varieties were grown exclusively the crop would have been fully 20 per cent more and worth 10 per cent higher market value, making a difference of \$24,000,000.00.

**No Matter Where You Live,** whether in Maine or California, Canada or Mexico it will pay you to plant Iowa Seed Co's. Choice Seed Corn

**This Year.**

I was well pleased with the Lenoche's Homestead Corn purchased from you last spring and shall put in a larger acreage of it next year than any other corn that I am raising. It matured ten days earlier than my other corn. E. T. Warner, DuPage County, Ills.

Your Lenoche's Homestead Corn grew nicely with me, and I can highly recommend it to you for its growing qualities. We have always found your seeds to be good.—Dean Janssen, Howell County, Mo.

## IMPROVED EARLY MASTODON.

**ROTARY HAND CORN PLANTER.** If you have only a small one of these. Every farmer should have one ready to use for replanting in case of failure from any cause. Each \$1.50.



## NEW EXTRA EARLY FARMERS' RELIANCE CORN.

**FARMERS' RELIANCE CORN.**—A grand novelty in field corn, offered last year for the first time, and it is by far the earliest variety of dent corn in existence, and also the largest eared early corn. A week to ten days earlier than *Pride of the North* and a much better cropper. This new variety of corn is the result of a scientific hybridization made fifteen years ago, by a practical seed corn grower, and has been followed by careful selection each year since, the object being to obtain the earliest corn in the world. The corn is of a very strong, vigorous character, growing more rapidly than any other variety from the day that it is planted. Its quick growth really surprises one with the speed with which it hurries on to make ears. The stalks usually have from 9 to 11 blades, while most ordinary corn has 13 blades. These blades are quite broad, of dark emerald green healthy color. This corn has been planted as late as June 27th, and yielded a splendid crop two weeks earlier than *Pride of the North*, which was planted at the same time. While our claim is that it will mature any year in 80 days, still we have known it to mature perfectly in 75 days. The ears are much larger than *Pride of the North*, not as rough or beakled, thus making it easier to handle, and the yield is from 25 to 35 per cent more than *Pride of the North*, under the same conditions. An average bushel of 70 pounds will make 60 pounds of shelled corn. It has for years been selected from stalks which set the ears about three feet or less from the ground, and this has a tendency to make it earlier. Fully 40 per cent of the stalks produce two good ears. It is the farmers' reliance every year. The originator has taken the first prize for early yellow corn at every fair at which it has been exhibited. Don't fail to plant at least a small quantity, and thus obtain your seed for another season. Per lb. 25c, 3 lbs. 60c post paid. By freight or express, peck 75c,  $\frac{1}{2}$  bu. \$1.25, bu. \$2.25.

H. H. Connell says:—*"Your Farmers' Reliance is the earliest corn I have ever seen or grown, maturing in 80 days, being ten days to two weeks earlier than Pride of the North, and yields double as much per acre."*

**STAR LEAMING.**—The Leaming Corn, which originated with Mr. Leaming, of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we have refrained from giving it our endorsement. A few years ago we found an extra fine lot in the hands of an enterprising Iowa farmer,

who had been selecting it for many years. We were greatly pleased with it, but were not willing to offer it to our customers without still further selection. We now have a corn which is a great improvement on the Leaming, but it retains all the valuable characteristics of that variety, so that instead of giving it a new name, we call it *Star Leaming* to distinguish it from other strains. The ears are large and handsome, with deep orange grain of rich deep orange color, on a medium to small cob. It grows to medium height, setting the ears about four feet from the ground, husks easily, and the corn is shelled on the cob, thus making a very solid, heavy feeling ear. Surface is quite smooth for dent corn. It is very productive, and it is the ideal variety for selling in the ear. We sold many thousands of bushels of this variety last season, and expect to exceed the record this spring. Don't plant common corn when you can obtain this grand variety so cheap. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, peck 50c, bushel \$1.25, 2 bu. or more, @ \$1.10, 10 bu. or more, @ \$1.00.

**IOWA YELLOW DENT.**—We always advise farmers to choose best named varieties in buying seed corn, and believe it pays them in the long run. This is a cheap corn, however, and quite popular some years. Ask for special prices in lots of 25 bushels or more. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 40c, bu. \$1.00, 2 bu. or more, @ 90c, 10 bu. or more @ 75c.

**GOLDEN BEAUTY.**—A large, broad grained, handsome yellow corn, which is very popular in some sections of the country. Ears are of good size, color bright golden yellow, cobs small. The ears usually have 12 to 16 rows. Matures in about 120 days. If you want a corn for marketing in the ear or shelled, you will find the Golden Beauty quite a satisfactory variety. No room for error in buying this corn. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.25.

*"The Farmers' Reliance Corn purchased from you has made a splendid yield."*—Herman Hunt, Mahaska County, Iowa.

*"The four varieties of corn received from you grew enormously large, matured early and did more than could be expected. Your seed corn should be planted by every farmer in this state."*—J. W. Church, Wilkes County, North Carolina.

**EARLY YELLOW FLINT.**—An eight rowed yellow flint variety with ears from 10 to 15 inches long  $\frac{1}{4}$  to  $\frac{1}{2}$  inches in diameter, and are well filled out to the extreme end of cob. The cob is small and the kernel large and broad, ripens in 75 to 85 days. This corn is well adapted to the northwest, and is said to produce 20 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 75c, bu. \$1.00, 2 bu. or more, @ \$1.75.

*"The seeds bought of you last year were first-class. The Yellow Flint corn was the best ever seen here. I had corn measuring 18 inches and from the quart of seed planted I gathered 25 bushel baskets full of ears, and have sold it to all my neighbors for seed."*—J. Doll, Otter Tail Co., Minn.

**EARLY WHITE FLINT.**—Quite similar to above, except color. Ears usually bear 2 or 3 long ears having 8 or 10 rows of creamy white kernels, which are quite hard and flinty. One of the best varieties in existence for fodder and ensilage. Pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 75c, bu. \$2.00, 2 bu. or more @ \$1.75.

**PRIDE OF THE NORTH.**—This variety has been grown and improved in the extreme northern part of Iowa. The ears 8 to 10 inches long with small cob and kernel; seventy pounds of ears will generally make sixty pounds of shelled corn; color, bright orange and very uniform. It will ripen in sixty days and mature in this latitude when planted in June. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 50c, bu. \$1.40, 2 bu. or more @ \$1.25, 10 bu. or more @ \$1.15.

*"I purchased from you 10 bushels of Pride of the North corn for planting and an very much pleased with the early and heavy yield. I put a splendid stand and believe that it pays to buy seed corn from you, as it is more carefully selected and cured for than most of the farmers can do."*—S. W. Cullinan, Kosciusko county, Iowa.

STAR LEAMING.

PRIDE OF THE NORTH

Golden Beauty.



## EVERGREEN SWEET FODDER CORN.

We consider this one of the most valuable fodder plants in existence and stock farmers should all devote some land to it. The stalks are sweet, rich, juicy, tender and very nutritious. The leaves, which are very numerous, are large, broad, succulent, and greatly relished by all kinds of stock, being far superior in every respect to all other kinds of corn. On strong soil it will grow 10 to 12 feet high and produce an almost incredible amount of fodder which, when well cured, is quite equal to hay, besides being wonderfully cheaper. It is claimed by dairy farmers that this fodder will increase the milk and cream production greatly and keep the animals in the best condition. It has the further merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. As a green fodder for cutting in the summer one acre is worth as much as eight acres of ordinary pasture. Of high value also for the hogs and an excellent plant to plow under for soiling. Sow thickly in drills or broadcast at the rate of two bushels per acre. Per peck 50c, bu. (measured) \$1.50, 2 bu. or more @ \$1.40.

**EARLY FODDER SWEET CORN.**—Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yielder. Per peck 50c, bu. \$1.50, 2 bu. or more @ \$1.40.

## JERUSALEM CORN.

Claimed by many to be an improvement on Kaffir Corn as it is a surer crop in unfavorable seasons. Produces a large crop of fodder which is of very good quality. Seed is white and nearly flat. Yields a good grain crop also. Three to four pounds will plant an acre. Per pk. 5c, lb. 25c, 3 lbs. 60c. By freight, per peck 75c, bushel (50 lbs.) \$2.75, 2 bu. or more @ \$2.50.

## EARLY AMBER CANE.

Dairy farmers say that this is the most valuable fodder plant in existence for their use. Notwithstanding its great adaptability as a food for live stock, it is only quite recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated and the demand is increasing about ten fold every year. It is profitably grown anywhere from Manitoba to Mexico, on any good corn ground, and does not appear to be affected by drought. As a fodder plant it is the most economical plant in existence, and of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Dairy men find that the cows will give more and richer milk from its use, and it is

claimed to be as high as 50 tons of green fodder have been grown per acre. It can be cut several times during the season if not allowed to get too high, and makes a good sweet hay. Sow 100 lbs. per acre for best results. Is a profitable crop also to grow for the seed which is excellent for feeding poultry, and is frequently ground and substituted for buckwheat flour. Feb. 20c, 3 lbs. 60c. By freight 10 lbs. 50c, 25 lbs. 85c, 100 lbs. \$2.00, 500 lbs. \$9.00.

## KENNEY'S IMPROVED AMBER CANE.

Mr. Kenney, who originated and introduced the Minnesota Amber Cane about 25 years ago, has been quietly at work selecting and improving it all these years, and we are pleased to offer seed of his own growing this year. This seed was grown in Central Minnesota and we recommend it as most decidedly the earliest and best cane in the world. It will make the very finest grade of beautiful amber syrup of delicious flavor and many persons will prefer it for table use to either maple syrup or honey. It is said that over 250 gallons have been produced per acre, and when boiled down making over 1200 lbs. of sugar. Why not supply your own table in this way, as it is as easily grown as a crop of corn and succeeds well in all parts of the U. S., from Minnesota to Texas. It requires only 4 lbs. of seed per acre, and this

superior strain of seed is well worth ten times the price we ask for it to the sorghum grower. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. \$1.00, 25 lbs. \$2.00, 50 lbs. \$3.50, 100 lbs. \$5.00.

## EARLY AMBER CANE.

For it to the sorghum grower. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. \$1.00, 25 lbs. \$2.00, 50 lbs. \$3.50, 100 lbs. \$5.00.

## KAFFIR CORN.

An excellent fodder plant, yielding two crops of fodder during a season. It grows from four to five feet high, making a straight, upright growth. It has a stalky stem, with numerous wide leaves. The stalks keep green and are brittle and juicy, not hardening like other varieties of sorghum, making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. For the grain sow in rows three feet apart, three to five pounds of seed to the acre. For fodder, sow one-half bushel to one bushel, either broadcast or in drills. Per pk. 5c, lb. 25c, 3 lbs. 60c. By freight, peck 50c, bu. (50 lbs.) \$1.50, 2 bu. or more @ \$1.25.

## WHIPPOORWILL COW PEAS.

The most highly valued plant in the south for fodder and for reclaiming old or worn out land, as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whippoorwill is the most popular sort and yields a good crop both of fodder and peas. When ripened, the green peas make the best cattle fattener. Per pk. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 75c, bu. \$2.50.



EVERGREEN SWEET FODDER CORN.

## FIELD PEAS.

For the northern states there is no crop of greater value than Field Peas, and none is more neglected, which can only be attributed to a lack of knowledge as to its merits. They are a profitable crop to grow, in that the peas when threshed are all ways marketable, and they stand in the front rank as a fodder plant, being very rich in the elements that improve the muscle, bone and nervous system. Like all leguminous crops, peas have the power of extracting nitrogen from the air, and the soil is richer in nitrogen than before the peas were sown upon it. Sow two bushels to the acre or with oats, one bushel of each.

**BOOTH BEAUTY.**—Best blue field peas. Will yield an immense crop. Superior quality. Pk. 60c, bu. \$2.00, 2 bu. or more @ \$1.75.

**WHITE CANADA.**—More used than any other. Per pk. 60c, bu. \$1.75, 2 bu. or more @ \$1.65.



BOOTH BEAUTY FIELD PEAS.



JERUSALEM CORN.



EARLY AMBER CANE.



KAFFIR CORN.





# LINCOLN OAT

## SEED OATS.

A change of Seed Oats is even more important than a change of seed potatoes. It will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety at 50c per large trial packet, 25c per lb., 3 lbs 60c, by mail postpaid.

**IRISH VICTOR.**—A grand novelty and the most productive variety ever brought out. Every farmer should try it this year. Price is low. See description page 34. Per peck 40c, bu. \$1.00, 10 bu. or more @ 90c.

**LINCOLN OATS.**—When we introduced these oats to our customers in 1893 they had never been tested in this state, but had done so exceptionally well in Minnesota that we had much faith in them. Seven prizes, amounting to \$500.00, were offered for the largest crops grown from one bushel of seed sown, and in our 1894 catalogue we published a list of the awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the average of seven successful competitors was 116 bushels each. What we claim for the Lincoln is that it is a very heavy yielding, is comparatively early, has proven itself to be entirely rust proof, and stands up exceptionally well. On account of its soft rib, heavy meat and thin hull it is unsurpassed for feeding and for making into oatmeal. By freight peck 40c, bu. \$1.00, 3 bu. or more @ 75c, 10 bu. or more @ 55c.

**EARLY CHAMPION OATS.**—This grand new variety which was introduced by us in 1898 has given excellent satisfaction to our customers and it gave the largest yield per acre of any variety in the test at the Iowa Agricultural College, and is highly recommended by them. Has comparatively short straw, matures a week to ten days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stand as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor *Wallace's Farmer*, says: "I would rather risk sowing grass seed with them than any other variety I knew of." Price per pk. 35c, bu. \$1.00, 2 bu. or more @ 85c, 10 bu. or more @ 55c.

**GREAT NEW ZEALAND OATS.**—This grand new variety was first introduced by us in 1895 and has given remarkable satisfaction, in one instance yielding 193 bushels per acre, while other varieties in the same vicinity yielded only 40 to 60 bushels. It averages a trifle higher than other sorts, has very stiff, strong straw, never known to lodge. About one week later in maturing than the common round head oats, thus giving time to harvest the hay crop. They stood out remarkably well, and thus require less seed to the acre; are almost entirely free from rust on all kinds of soil. Peck 40c, bu. \$1.00, 2 bu. or more @ 90c, 10 bu. or more @ 50c.

**BLACK OR PFCRO OATS.**—A very popular variety of oats in the south as they are claimed to be almost drought proof. They have stiff straw, heavy berry, and are very productive. While there are comparatively few black oats grown in this country, still they are said to be fully equal to the white for feeding, and are much preferred in England and other European countries. Better try a small field of them this year, and we feel sure that our customers, in the south especially, will be pleased with the result. Per peck 50c, bu. \$1.50, 2 bu. or more @ \$1.50.

**WINTER TURF OATS.**—Highly valued in the south for fall sowing. Per lb. 25c, 5 lbs 60c, By freight, pk. 50c, bu. \$1.50.

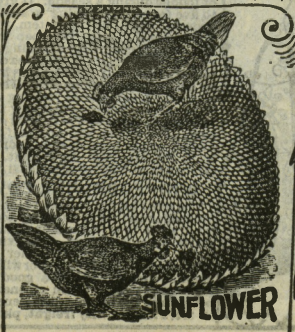
### GREAT NEW ZEALAND OATS.

**EUROPEAN HULLLESS OATS.**—This will doubtless be a novelty to many farmers, but hullless oats are not new in this country as they have been cultivated to a limited extent for many years. The berry or grain, which is much larger than that of ordinary varieties, is loose in the hulls and easily threshed out as clean as wheat or rye. It should prove to be a desirable variety to make oatmeal from. Better try a little of it. Our stock is small and will doubtless be exhausted before season is over. Pkt. 10c, lb. 35c, 3 lbs. for \$1.00 postpaid.

**MAMMOTH RUSSIAN SUNFLOWER.**—The largest of all sunflowers. This is without doubt one of the best paying crops that can be raised. Seeds are the best of food for poultry and is much cheaper to raise than corn. Stalks, which grow very large, make excellent firewood. It is also said to afford protection against malaria. Large pkt. 5c, lb. 25c, 3 lbs 60c. By freight, 10 lbs. 70c, bushel of 25 lbs. \$1.50.

**WHITE BEAUTY SUNFLOWER.**—Mammoth single-flowering. Pkt. 5c, lb. 35c. By freight, 5 lbs. or more @ 30c.

**BLACK GIANT SUNFLOWER.**—Of monster size. Seeds black. Per pkt. 5c, lb. 35c, 3 lbs. 60c.



SUNFLOWER

EARLY CHAMPION



**VELVET CHAFF SPRING WHEAT.**—Perhaps you have heretofore grown only some of the old sorts of wheat which are about run out and do not yield a profitable crop. If so we want you to try this improved strain of the Blue Stem this season. It has proved much superior to the Scotch Fife, Saskatchewan and other sorts for growing in Iowa being fully equal in quality, earlier, more sure, and yielding much larger crops. It is a remarkable semi-hard spring wheat, yielding large crops free from rust. The millers here pay more for it than any other sort. It is now the main crop in the northwestern states and the great milling kings use it for their highest grade flour, and it has been the most reliable variety year after year, yielding a good crop where other kinds fail. All stocks of this variety show some mixture, but our seed is nice this year and we are sure will please our customers. Per lb. 20c, 3 lbs. 50c. By freight, peck 85c, bu. \$1.25, 2 bus. or more @ \$1.15, 10 bu. or more @ \$1.00.

**HAYNES REDBONE SPRING WHEAT.**—A greatly improved Blue Stem variety which has yielded 40 to 50 bushels per acre. See description with novelties. Per lb. 25c, 3 lbs. 65c, postpaid. By freight, peck 65c, bushel \$2.00, 2 bushels or more @ \$1.85.

**DEFIANCE WINTER WHEAT.**—A Novelty of 1900—Introduced by the Iowa Seed Company.—We claim for this new wheat that it is unequalled in hardiness, stooing qualities, productiveness, rustproof qualities, strength of straw, quality of grain, quality of flour and the best in all respects of any wheat ever offered. We know that this is considerable to say, but we feel sure that any farmer who tries this sort will have it proven to his satisfaction. It has a record of over 55 bushels per acre, and many crops are reported of 35 to 45 bushels. Flour equal to the world famed Hungarian product. Don't sow the old worn out varieties when you can add 50 to 100 per cent to your crop by sowing the Defiance. Everyone is delighted with it. Price for shipment now by mail 1 lb. 25c, 3 lbs. 65c. By freight, peck 65c, bushel \$2.00, 2 bushels or more @ \$1.80, 10 bushels @ \$1.50.

**TURKISH RED WINTER WHEAT.**—The old standard sort of ironclad hardiness and very productive. Per lb. 20c, 3 lbs. 50c. By freight peck 40c, bu. \$1.25, 2 bus. or more @ \$1.10.

**EARLY MAY WINTER WHEAT.**—The only beardless variety of winter wheat which we recommend for sowing in Iowa or the north. Per lb. 20c, 3 lbs. 50c. By freight, peck 60c, bushel \$1.50, 2 bus. or more @ \$1.40.

**IDEAL WHITE HULLLESS BARLEY.**—And it is an ideal that pleases all who try it. The heads are large and well filled with big plump kernels, which are hullless and of great value for feeding. Those who have grown it say that it produces a very much larger crop than any other variety. It weighs 60 to 65 lbs. to the measured bushel, while ordinary barley weighs only 45 lbs. The straw is very stiff and strong. It is the handsomest, most productive and the best variety we know of. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight, per peck 75c, bu. (48 lbs.) \$2.00, 2 bus. or more @ \$1.85, 10 bus. or more @ \$1.70.

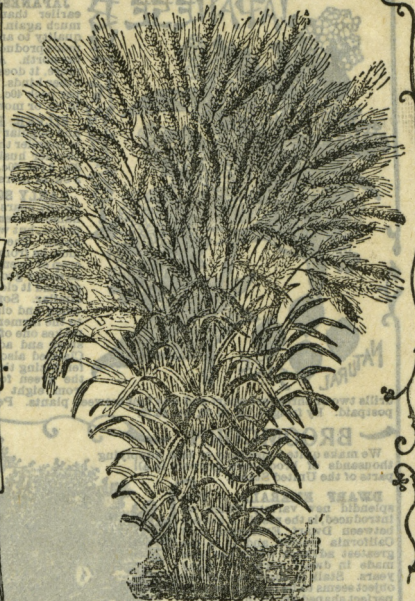


VELVET CHAFF.

**SUCCESS BEARLESS BARLEY.**—The earliest barley known. The straw is about the height of the common barley, but better and will stand up on any land with good land and season has produced 80 bushels per acre. Sow as early as you can; frost does not hurt it. Many farmers will not grow barley on account of the long harsh beards which are so disagreeable in threshing, although it is a profitable crop. This is beardless and as easy to grow and handle as oats. It has hulls like the Manxshire or any other old variety, and is a heavy cropper, yielding 50 to 75 bushels per acre, and the quality is excellent both for making and for feeding hogs and other stock. Per lb. 20c, 3 lbs. 60c. By freight, per peck 40c, bu. \$1.00, 2 bus. or more @ 90c, 10 bu. or more @ 85c.

IDEAL BARLEY

It will pay you to grow SEED WHEAT. Ask for samples and quotations, stating the quantity desired.



DEFIANCE WINTER WHEAT.

## WINTER WHEAT

If you are interested in wheat for fall sowing ask for a copy of our Special Winter Wheat Catalogue which will be published in August. Sent free on request.

**SPRING RYE.**—Rye is a valuable crop either for grain, straw, green fodder, pasturing or for mowing. The spring rye is an excellent catch crop where fall sown grain has winter killed and also for grain or fodder or for sowing with grasses as a nurse crop, as it matures very early. The straw is shorter and stiffer than the winter variety while grain is of equal value. Seed is scarce this year. Per lb. 25c, 3 lbs. 60c. By freight, peck 50c, bu. \$1.60, 2 bus. or more @ \$1.45.

**WINTER RYE.**—There is always a demand in the spring for rye for sowing thinly to afford shade for grass seeds, for sowing in orchards to keep down the weeds, for early pasture and fertilizing. Per lb. 20c, 3 lbs. 50c. By freight, per peck 50c, bu. 90c, 2 bus. or more @ 80c.

**SEED FLAX.**—A very profitable crop and it pays to own your own seed. Price subject to market changes. Per lb. 25c, 3 lbs. 60c. By freight peck 65c, bu. \$2.15, Ask for price in quantity.

Shipment of seed wheat just at hand, and I am very much pleased with same.—A. W. Findlay, Howard county, Mo.

The Ideal Barley received from you made a fine crop.—Sylvester J. Cox, Thurston, Oregon.

Your Defiance Wheat yielded 84 bushels per acre which was the best yield I have heard of in this part of the country.—S. M. Haynes, Nemaha county, Neb.

## Tree and Hedge Seeds.

BY MAIL POSTPAID.

BY EXP.  
5 LBS. OR  
MORE @

	PER PKT.	OZ.	1/4 LB.	LB.	LB. MORE @
Apple...	15	10	20	60	35
Asa. B. Man White.....	10	15	50	30	30
Box Elder.....	05	10	15	50	35
Catalpa, Hardy.....	05	10	25	80	50
Locust, Black.....	05	10	20	50	25
Locust, Honey.....	05	10	20	50	30
Mulberry, Russian.....	05	25	75	\$2.25	\$1.75
Orange, Orange.....	05	10	15	50	35
Tree of Heaven.....	05	10	25	75	50



## JAPANESE

BROWN HULL

**JAPANESE BUCKWHEAT.**—About a week earlier than Silver Hull, and yields almost as much again. The flour made from it is equal in quality to any other buckwheat, while it is much more productive than any other, and succeeds well far north. As the straw is heavier and it branches more, it does not need to be sown as thickly as the other kinds. Per lb. 5c. 3 lbs. 60c. By freight, per peck 40c. bu. (52 lbs.) \$1.25, 2 bu. or more @ \$1.15 10 bu. or more @ \$1.00.

**SILVER HULL BUCKWHEAT.**—A very good and popular variety. Grain is a light gray color, is rounder than the common variety, has a much thinner husk, earlier, and yields more. Per lb. 5c. 3 lbs. 60c. By freight, per peck 40c. bu. \$1.25, 2 bu. or more @ \$1.20, 10 bu. or more @ \$1.10.

**EARLY SOJA BEANS.**—(Coffee Berry).—During recent years this has been largely sold under the name of German Coffee Berry at extremely high prices, but we prefer to offer it under its correct name. The berries ripen in about three or four months from the time of planting and produce a crop of twenty to forty bushels to the acre and are as easily grown as other beans. When roasted and ground it closely resembles coffee and tastes quite similar. Some mix half and half with coffee when using and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields from eight to twelve tons per acre. Plant in rows eight to twelve inches apart. Per pk. 5c. 1/2 lb. 15c. 1 lb. 30c. 3 lbs. \$1.00.

drills two or three feet apart and one foot between plants. By freight, pk. \$1.00, bu. \$3.75.

## BROOMCORN

We make quite a specialty of this supplying thousands of broomcorn growers in all parts of the United States.

**DWARF EMERALD.**—This splendid new variety which we introduced, is the result of a cross between Dwarf Evergreen and California Golden and it is the greatest advance which has been made in dwarf sorts for many years. Stalks are short and its one object seems to be to produce long perfect shaped brush in the shortest possible time. The brush is long, straight and of a handsome green color almost all of it being suitable for huri. Very productive. Per lb. 5c. 3 lbs. \$1.00. By freight 10 lbs. \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.00.

**CALIFORNIA GOLDEN.**—For four years past this variety appears to have given the best satisfaction in Iowa. It has been carefully selected and improved so that the brush is straight and long, a very large proportion of it being suitable for huri. It is of fine quality, of light green color, turning to light yellow when allowed to become too ripe. Does not turn red like the ordinary Evergreen. Per lb. 5c. 3 lbs. 60c. By freight 10 lbs. 60c. 25 lbs. \$1.25, 100 lbs. \$4.00.

**AUSTRALIAN.**—Makes the most even and perfect shaped and colored huri brush of any variety that we have ever seen; almost every pound of it being straight, of light green color and suitable for the best parlor brooms. It is much more productive than most other kinds, the brush is much longer and is sure to bring a higher price. Per lb. 5c. 3 lbs. 75c. By freight 10 lbs. \$1.37, 25 lbs. \$2.50, 100 lbs. \$8.00.

**TENNESSEE EVERGREEN.**—More largely grown in the western states than any other. The brush is noted for its fine quality, good length and handsome appearance; cut before the seed is ripe it is a beautiful sea-green color. It ripens early and yields heavy crops. Per lb. 5c. 3 lbs. 60c. By freight 10 lbs. 60c. 25 lbs. \$1.40, 100 lbs. \$4.50.

**DWARF.**—Popular in some sections. Matures late. Per lb. 5c. 3 lbs. 60c. By freight 10 lbs. 75c. 25 lbs. \$1.40, 100 lbs. \$4.40.

**MISSOURI EVERGREEN.**—Has coarser brush than the Tennessee and is therefore desirable for making heavy brooms. Lb. 5c. 3 lbs. 60c. By freight 10 lbs. 60c. 25 lbs. \$1.25, 100 lbs. \$4.00.

## SOJA BEANS, OR COFFEE BERRY.

**WONDERFUL SAND VETCH.**—A comparatively new forage plant in this country, which has proved of highest value and is highly recommended by the U. S. Agricultural Department; also of great value as a fertilizer, estimating a crop of it plowed under as being equal to \$18.00 to \$45.00 worth of commercial fertilizers. It succeeds on all soils and withstands extremes of drouth, heat and cold. Remains green and makes good pasture all winter being more hardy than clover. Sow one-half bushel per acre either in spring or fall. Per pk. 5c. 1/2 lb. 25c. 3 lbs. 60c. By freight, peck \$1.35, bushel 40 lbs. \$4.75.

**WILD RICE.**—The only one of our native plants furnishing food for wild fowl, ducks, geese, etc., which has been made an article of commerce. This seed can be sown on the borders of lakes, ponds, and along small streams to great advantage, attracting all of these wild birds from September on. It purifies the water and affords refuge to the small fry from the large fish. It makes a good hay, and all cattle are fond of it. Sow in water having a mud bottom. Pks. 5c. 1/2 lb. 30c. 3 lbs. 75c. By freight 10 lbs. \$1.50.

**SERADELLA.**—A valuable forage plant, admitting of one and sometimes two cuttings in one season. It succeeds well in dry, sandy soil and furnishes good pasture for sheep. It may also be cured for hay. Can be sown with rye. Per pk. 5c. 1/2 lb. 35c. 3 lbs. 90c. By freight 10 lbs. 60c. or more @ 15c. per lb.

## EMERALD BROOMCORN.

**IMPROVED PROLIFIC TREE BEANS.**—Also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety that we have ever seen. On our own farm with conditions not usually considered favorable, it yielded a crop of 41 bushels per acre. The beans are pure white, of small size, greatly resembling the "Navy" and command the highest market price. Plant rows upright about 20 inches high, with stiff stem and branches held well up from the ground on good bean soil, though if the ground is very rich it does not stand up so well. Unusually free from rust and mildew. Will make about as profitable crop as you can put in. Per pk. 5c. 1/2 lb. 35c. By freight, per peck \$1.15, bu. \$4.08.

Received the seed in good order and am more than pleased with them. I send another order now and will patronize you hereafter.—Jas. Schaefer, Clermont, Kentucky.

## SAND VETCH.



## IOWA SEED COMPANY

## CLOVER SEED.

For many years we have made this a specialty, and we now have our electrical machinery for cleaning so perfected that we claim that our grades average better than those of most other markets, and believe that they cannot fail to please the most particular. Other seed dealers who have happened to be in our warehouse when we were cleaning clover, have often remarked that the seed looked so extra nice they also did not recollect. From these same lots of clover we were cleaning out three to five pounds per bushel of trash, sand and shrunk clover seed. This makes quite a difference in real value, and our seed is really worth 10 cents to \$1.00 per bushel more than that obtained from most dealers. Crop is short this year.

**PRICES**—On clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. *Don't fail to write for prices before buying.* We issue a price list each week from January until June. If you are in a hurry for the seed you can order it and we will send you full value of money sent on day order is received. The following are the prices we are selling at on the date this catalogue goes to press (Dec. 10, 1900). We prepay postage at the 1 and 3 pound rate; larger quantities shipped at purchaser's expense. Small packets of all varieties at each.

**MEDIUM RED CLOVER**—This is the most important of all clovers and the standard everywhere for hay and pasture. It is known as Common Red or June Clover in many sections. Our Iowa grown clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooiling qualities, so that no true receive many orders annually from the most distant parts of the U. S. and also from foreign countries. It has been tested by the Agricultural Experiment Stations in various parts of the country and ranks among the highest everywhere. We claim that it will produce as much if not more hay per acre and that of better quality than seed from any other section and well posted farmers are beginning to appreciate the difference between this and ordinary stock. We have many customers in Pennsylvania, New York and other parts of the east who purchase from us annually, although our seed costs them more, freight considered, than eastern grown, and our trade in this variety during the spring season runs from 1000 to 2000 bushels per week. Perhaps you can buy seed a trifle cheaper per bushel from some other dealer, but if you really desire to save money you will find that it does not pay to buy the inferior seed containing a mixture of weed seeds, dirt, sand, shrunk clover, etc. It pays to have the best. **50 lbs. per acre.** For lb. 25c, 3 lbs. 85c, postpaid. Per peck \$1.50, bushel \$5.75. Bags extra 15c each.

**MEDIUM RED CLOVER; Second Grade**—Useful for thickening pastures, etc. We list this for our customers who want a cheaper grade, and while we do not claim that it is equal to our best, it is as good as much of these furnished by other dealers. Country merchants frequently buy this grade because they can make a larger profit on it. **For bushel \$4.50.**

**SAINFOL CLOVER**—Also called *Esparcillo Clover*.—An excellent but comparatively little known variety of special value for growing on light, dry, sandy or limestone soils. It is very deep rooted and therefore withstands droughts. It is a good fodder plant and when made into hay is claimed to be of special value for milch cows. Seed is very large. Usually sown with timothy. **50 lbs. per acre.** For lb. 25c, 3 lbs. 85c, postpaid. Per peck \$1.50, bushel \$5.75. Bags extra 15c each.

**SWEET CLOVER**—Also called *Honey Clover*.—(Bokhara).—A tall

shrubby plant, bearing innumerable small white flowers and very valuable for bees. Both leaves and flowers have a delightful fragrance. **For lb. 35c, 3 lbs. \$1.00, by freight 5 lbs. or more at 30c.**

**WHITE DUTCH CLOVER**.—This is a very hardy variety, bearing numerous small white flowers. Also used largely for lawns. It is the most hardy of any variety of clover and is of a creeping habit. It is desirable for sowing on terraces or sloping grounds. It is very hardy and requires only 7 lbs. to sow an acre. Price for our choicest quality per lb. 35c, 3 lbs. \$1.00, postpaid by freight per peck \$2.40, bushel \$9.00.

**JAPAN CLOVER**.—Grows freely on poor soil. Sown in true clover. **For lb. 50c, 3 lbs. \$1.25, 5 lbs. or more by freight at 30c.**

**ALSIKE CLOVER**.—A fine and better than any other, and alsike is, therefore of special value for sowing with timothy. Height 18 to 24 inches, and has round pink or lilac colored heads. Seed is small and it therefore requires only 5 lbs. to sow half that quantity if sown with timothy. **For lb. 35c, 3 lbs. 90c. Per peck \$2.40, bushel \$8.75.**

**ALFALFA, or LUCERNE CLOVER** Very popular in many portions of the country. Under proper management it will yield from ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep, frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and instead of impoverishing the soil, enriches it. Grows on the thinnest sandy soil and thrives in the greatest drought. Sown broadcast about 25 lbs. to the acre. Comes up very spry and slowly and it is necessary to mow the weeds to give it light, but when once established the weeds will be smothered. **Postpaid, per lb. 30c, 3 lbs. 75c. Per peck \$1.85, bushel \$7.00.**

**YELLOW TREFOIL**.—Allied to the Common Red Clover, but of comparatively little value, except on very dry or poor soil. Grows rapidly and is valued for sheep pasture. **For lb. 30c, 3 lbs. \$1.00, Peck \$2.50, bu. \$8.00.**

**CRIMSON CLOVER**—Also called *Giant Incarnate*.—This is an annual variety in common use in the east and south for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until several cold, freezing weeks have grown about one foot high, roots nearly black, leaves long, blossoms long, pointed and of a very deep red or carmine color. Makes good hay. Sown in April or May twenty pounds of seed per acre or it may be sown in the corn at the time of last cultivation in July and will produce an excellent pasture for fall or it can be plowed under and will add greatly to the fertility of the soil. The only objection to it is that it winter-kills in this latitude. **For lb. 30c, 3 lbs. 75c. Per peck \$1.75, bushel \$6.50.**

One packet each of the above ten kinds of clover for 40c, postpaid. One pound each of the ten kinds by express \$1.50, purchaser to pay the charges. A chance is thus afforded to try them at a slight expense.

**ALFALFA CLOVER.**

**CRIMSON CLOVER.**

**MAMMOTH RED CLOVER**—Also called *Sapporo* or *Vine Clover*. This greatly resembles the Medium Red, but is of much taller and more vigorous growth. The stems are so large and coarse that it is not valued for hay, but nothing equals it for pasture.

It produces an enormous yield and is of the highest feeding quality. It gives quick results, making an unequalled crop and is usually considered a permanent pasture grass. If your soil is poor and needs enriching there is no fertilizer as cheap and good as sowing Mammoth Clover and plowing the crop under. It is the clover for poor soils. Sown 15 lbs. per acre. For lb. 35c, 3 lbs. 95c, postpaid. Per peck \$1.65, bushel \$6.00.

**ALSIKE CLOVER**.—Unexcelled for hay and we cannot too strongly recommend it to our customers. It is a true perennial, producing a good crop the first year and every year thereafter and the field really keeps improving each season. Highly valued also as a permanent pasture. It is hardy even in northern Minnesota and is the only variety which will produce a good crop and not kill out in low wet land. It also adapts itself to high, upland soils and withstands the drought well. The hay is finer and better than any other, and alsike is, therefore of special value for sowing with timothy. Height 18 to 24 inches, and has round pink or lilac colored heads. Seed is small and it therefore requires only 5 lbs. to sow half that quantity if sown with timothy. **For lb. 35c, 3 lbs. 90c. Per peck \$2.40, bushel \$8.75.**

**ALFALFA, or LUCERNE CLOVER** Very popular in many portions of the country. Under proper management it will yield from ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep, frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and instead of impoverishing the soil, enriches it. Grows on the thinnest sandy soil and thrives in the greatest drought. Sown broadcast about 25 lbs. to the acre. Comes up very spry and slowly and it is necessary to mow the weeds to give it light, but when once established the weeds will be smothered. **Postpaid, per lb. 30c, 3 lbs. 75c. Per peck \$1.85, bushel \$7.00.**

**YELLOW TREFOIL**.—Allied to the Common Red Clover, but of comparatively little value, except on very dry or poor soil. Grows rapidly and is valued for sheep pasture. **For lb. 30c, 3 lbs. \$1.00, Peck \$2.50, bu. \$8.00.**

**CRIMSON CLOVER**—Also called *Giant Incarnate*.—This is an annual variety in common use in the east and south for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until several cold, freezing weeks have grown about one foot high, roots nearly black, leaves long, blossoms long, pointed and of a very deep red or carmine color. Makes good hay. Sown in April or May twenty pounds of seed per acre or it may be sown in the corn at the time of last cultivation in July and will produce an excellent pasture for fall or it can be plowed under and will add greatly to the fertility of the soil. The only objection to it is that it winter-kills in this latitude. **For lb. 30c, 3 lbs. 75c. Per peck \$1.75, bushel \$6.50.**

One packet each of the above ten kinds of clover for 40c, postpaid. One pound each of the ten kinds by express \$1.50, purchaser to pay the charges. A chance is thus afforded to try them at a slight expense.

**ALFALFA CLOVER.**

**CRIMSON CLOVER.**

**COLLECTION OF CLOVERS:**



## GRASS SEEDS.

We are the largest dealers in this line in Central Iowa, and our trade has been built up by handling only the best grades of new recleaned seed. We have pleased thousands of others and can please you with our choice Iowa grown seed.

## PRICES

**PRICES** Grass seeds are sold on a very close margin of profit and prices are constantly changing with the market. Should you desire a quantity of anything in this line, be sure to write us for special prices, naming the amount needed. Most kinds of grass seeds are somewhat higher in prices this year, but please remember that our quotations are for our best grades of reseeded seed, and we know that price is as low as such grades can be bought for anywhere. At the pound rate we prepay postage. Grain bags to hold seed 15 cents each extra.



MEADOW FESCUE.

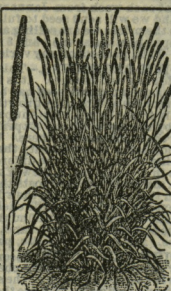
**TIMOTHY.**—More used than any other variety of tame grass. We are located in the best section of the country for growing timothy seed, and more of it is grown in Iowa than any part of the world. Our seed is extra nice. Per lb. 20c 3 lbs 50c bu. (45 lbs.) \$2 25 bag of 2½ bus. \$5 35.

oe. 31185 50¢. bu. (45 lbs.) \$2.25, bag of 25 lbs. 90¢. *Perennial Ryegrass* (Perennial Rye Grass) — A nutritious permanent grass for meadows and pasture, or for mixing with other grasses for lawns. Does well on sloping banks, as its roots are fibrous and mat-like. It is specially adapted for pasturing, as it is very close cropping and is of strong, quick and successive after growth. Does well on almost any land, but prefers rich or moist soil, such as will produce a good corn crop. Sow 20 lbs. per acre. 100 lbs. \$1.50, per bu. (14 lbs.) \$1.00, 100 lbs. \$6.00.

**ITALIAN EYE GRASS.**—An annual variety of above, which can be depended on to give a large crop the first year. Valuable for sowing with crimson clover as a catch crop on red clover fields where clover has winter killed. Does well on any good clover land. Sow 20 lbs. per acre. Per lb. 25c. 3 lbs. 60c, per bu. (141 lbs) \$1.25, 100 lbs. \$3.00.

**CRESTED DOGSTAIL.**—For permanent pastures on high land and dry, hard soils, it is invaluable. Makes a close, thick sod, and is valuable for lawns. Sow 15 lbs. per acre. 1 lb 40c 3 lbs \$1.00 bu (14 lbs.) \$2.75.

**TALL MEADOW OAT GRASS**—For either hay or permanent pasture. Does well on any soil, but of special value on clay land. Grows tall and therefore desirable for meadow. Does not winter kill. Seldom sown alone, but should be included in all mixtures. Per lb. 25c. 3 lbs. 65c, bu. (14 lbs.) \$2.10.



TIMOTHY.

KENTUCKY BLUE GRASS.

Very valuable and exceedingly popular in some sections of the country as a pasture grass. It is productive and usually early in spring, furnishing delicious food for all kinds of stock. It is not easily affected by drought or frost, is suited to a great variety of soils, succeeding best on a moist, rich meadow. For permanent pastures it is particularly valuable, being able to grow, therefore not so well suited for meadows. Unexcelled for lawns. Our seed is all new crop, and the best grade, "Fancy Cleaned." Sow 14 lbs. per acre for lawns. Per lb. 30c. 3 lbs. 80c. bu. (4 lbs.) \$1.75. Sack of 8 lbs. \$12.50.

**CHAFF BLUE GRASS.**—Also called "Extra Clean"  
80 cts. per bushel.

**MEADOW FOXTAIL.**—A fine grass for permanent pastures, and should be sown in place of timothy in mixtures with clover and other grasses. Valuable for low wet land. Its growth resembles timothy. Sow 14 lbs. per acre. Per lb. 45c. 8 lbs. \$1.10. bu. (14 lbs.) \$4.00.

**CREeping BENT GRASS.**—Special value for pasture and low ground. Starts early, deep-rooted and a valued sort for holding sloping ground or terraces together, as its roots form a compact mass. Sow 15 lbs. per acre. Lb. 30c, 3 lbs. 89c. bu 41 lbs. \$3.00.

**RED TOP.**—Sown largely in marshy land and sloughs in the west. In the east it is one of their principal sorts, but is not so highly valued here. It makes a fine, close turf and fair quality when not allowed to go to seed. Solid or Fancy clean seed. Per lb. 25c, 3 lbs. 66c. Per bushel (14 lbs.) \$1.70, 100 lbs. \$10.50.

Prime Red Top.—Or Chaff. Per bu. 75c.  
100 lbs. 84 25

**SWEET VERNAL.**—Although this variety does not rank as high as some others

riety does not rank as high as some others for nutritive qualities, yet it is very valuable on account of its delicious perfume, when included in hay its aroma is imparted to other grasses, enhancing the value of the hay and making it relished by the stock. It should be included in the meadow mixtures. Per lb. 30c, 3 lbs. 75c, per bushel (44 lbs.) \$2.25.

**WOOD MEADOW GRASS.**—This grass is invaluable for wood pasture or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. It is relished by all kinds of stock, showing a succulent and very nutritive herbage. For lawns over-shadowed by trees it is particularly valuable.

and it produces a very thick growth and a nice even sod. Sows 20 lbs. per acre. Per lb. 50c, 3 lbs. \$1.25, per bu. (14 lbs.) \$4.25.



PERENNIAL RYE GRASS.

**GERMAN MILLET.**—Much better than the common millet, as it will produce double the crop. Our seed is choice southern grown, more productive than northern. Lb. 20c, 3 lbs. 50c, by 48 lbs. \$1.00, bag of 2½ bus. \$1.25. Second grade, by 75c, bag of 2½ bus. \$1.75.

3 lbs. 50c, bu. (48 lbs.) \$1.00, bag of 2½ bus. \$2.25. Second grade, bu. 75c, bag of 2½ bus. \$1.75.  
**COMMON MILLET.**—Best, per bu. (48 lbs.) 75c, bag of 2½ bus. \$1.75

**HUNGARIAN.**—Per bu. (48 lbs.) \$1.00, bag of 2½ bu. \$2.25.

**NEW SIBERIAN MILLET.**—Lb. 20c, 3 lbs. 50c, bu. (48 lbs.) \$1.50. Bag of 2½ bus. \$3.50.  
**MANITOWA MILLET.** Also called Hag or Green-corn millet. Has proved to be the

**MANITOBA MILLET.**—Also called *Hog or Broomcorn* millet. Has proved to be the best millet for withstanding drouth. Ripens about two weeks earlier than German

**DEARI MILLET**—Entirely different from ordinary millet; an immense fodder yielder

**PEARL MILLET.**—Entirely different from ordinary millet: an immense fodder yielder of tall growth, highly recommended by the U. S. Department of Agriculture for the south.

Pkt. 5c, lb. 40c, 3 lbs. \$1.00. By freight, 10 lbs. (for 1 acre) \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.50.

**ORCHARD GRASS.**—One of the most valuable of all pasturegrasses, coming earlier in spring and remaining later in autumn than any other. It grows about 2½ feet high.

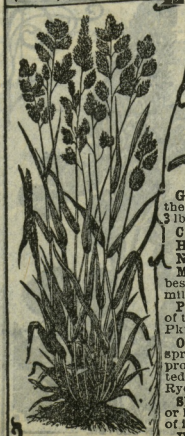
producing an immense quantity of leaves. It grows in tufts, and is therefore not adapted for mowing alone, but should be sown with Red Clover, Tall Meadow Oat Grass, or

ted for growing alone, but should be sown with Red Clover, Tall Meadow Oat Grass, or Rye Grass. Sow 14 lbs. per acre. Per lb. 30c, 3 lbs. 75c. Bushel (14 lbs.) \$1.75, 100 lbs. \$11.00.

**SHEEP'S FESCUE.**—This variety prefers to grow on light, sandy soil and dry uplands.

or hillsides. It is deep rooted and is not affected by extreme drouth. Sheep are very fond of it, and it is a hardy perennial. Sow 14 lbs. per acre, Lb. 30c, 3 lbs. 75c. Bu. (14 lbs.) \$2.50.

**HARD FESCUE.**—Grows taller than Sheep's Fescue and is therefore better for mead-



ORCHARD GRASS.



## SHEEP'S RESCUE



# OUR SPECIAL GRASS MIXTURE

## FOR HAY AND PERMANENT PASTURES.



### Dairy Farmer's Grass Mixture

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture, and where the natural grasses are carefully selected with this object in view, this can be successfully done. This mixture is composed of tall, quick-growing grasses for mowing, after which the dwarf-growing varieties will cover the ground and furnish grazing until late in the fall. This mixture consists of the best varieties of clover and grass seeds, as Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, etc. It is a special mixture which will please everyone. Sow 22 lbs. per acre on ordinary soils. Per lb. 25c, 3 lbs. 65c postpaid. By freight 22 lbs. \$2.50, 50 lbs. \$4.75, 100 lbs. \$9.25.

### PERMANENT MEADOW MIXTURE

Will make best quality hay every year the mixture containing such grasses as produce a heavy growth, and mature together. We send out the No. 1 mixture when not otherwise ordered, as it is adapted to medium or average soils. Sow 16 to 22 lbs. per acre.

NO. AND DESCRIPTION.	20 lbs.	50 lbs.	100 lbs.
No. 1, for medium soils.	\$2 15	\$4 75	\$9 25
No. 2, for high, dry land light or gravelly soil...	2 25	5 00	9 50
No. 3, for high, dry land, heavy or clay soil.....	2 25	5 00	9 50
No. 4, for moist and rich soil subject to overflow	2 25	5 00	9 50
No. 5, for top seeding on marshes or swamps; sow 10 lbs. per acre....	2 35	5 25	10 00

### PERMANENT PASTURE MIXTURE.

Selected with a view to having a succession of grasses coming on constantly from earliest spring through the dry summer weather, and through the fall. It is permanent and keeps improving year after year. Sow 18 to 22 lbs. per acre, or for top seeding, half the amount.

No. 6. For medium soils.	2 10	4 65	9 00
No. 7. For high, dry, gravelly soils.	2 25	5 00	9 50
No. 8. For high, dry, heavy soils.	2 25	5 00	9 50
No. 9. For moist and very rich soils.	2 15	4 75	9 25
No. 10. For wood pastures, orchards, shady places, for a top seeding, sow 10 lbs. per acre	2 30	5 10	9 75
No. 11. FOR SHEEP PASTURE. Suitable for sandy soils and hillsides. Sow 20 lbs. per acre.	2 35	5 25	10 00

No. 12. Quick Result Pasture.—Not permanent, but when sown early will give full crop of hay, and good pasture until late in the fall. Desirable for both cattle and hogs. Sow 15 lbs. per acre, Price 15 lbs. \$1.75, 50 lbs. \$4.75; 100 lbs. \$9.25.

Permanent Hog Pasture.—Ready to use the first year, and many years thereafter. On any ordinary soil sow 15 lbs. per acre. Price 15 lbs. \$1.75, 50 lbs. \$5.25, 100 lbs. \$10.00.

We are prepared to select and make up special mixtures of Grasses for all particular purposes, adapted to all soils and climates. When in need, please write us, describing peculiarities of ground.

**THE BEST.** Not only in Iowa but everywhere. W. B. Robinett, of Lockwood, Kentucky, says: "The grass seed received from you is the finest I ever saw. I like it much better than any I ever bought before, and am well pleased in every respect."

Dec. 3, 1900.—Your Hog Pasture Mixture made a good stand and I was satisfied with the results.—Geo. Wendel.

Nov. 26, 1900.—The clover and grass seed purchased from you grew splendidly and yielded well.—Fred Winter, Hubbard, Iowa.

The seeds you sent us are indeed more than you claim for them. The timothy is fresh and clean; clover seed the cleanest I ever saw tested under a microscope. Please accept my thanks for honorable treatment.—John Mitman, Dodge Co., Neb.

### TEOSINTE.

A fodder plant grown largely in some parts of the country. Somewhat resembling corn in appearance, but the leaves are much longer and broader, and the stalks contain sweeter sap. In its perfection it produces a great number of shoots, growing as much as twelve feet high; very thickly covered with leaves, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. Seed is scarce this year, but we advise all those interested to give it at least a trial, so as to be ready to plant larger quantities hereafter. Large packet 10c; oz. 15c; 1/4 lb. 30c; lb. \$1.10; 3 lbs. (sufficient for one acre), \$3.00 by mail prepaid.

### BERMUDA GRASS.

The most valuable grass for the Southern States, as it withstands heat and drouth wonderfully well. Is valuable for hay and pasture and unsurpassed for lawns in the south as it runs over the ground forming a dense turf. Nice for terraces. Sow 8 lbs. per acre. Per lb. \$1.00, 3 lbs. \$3.65, postpaid, 5 lbs. or more, not prepaid, @ 75c per lb.

### LARGE ORDERS.

If you desire to purchase a large lot of seed of any kind, be sure to send list and let us quote special prices. Our orders range from five cents upwards, but we are not afraid of the big orders. Our largest retail order was for \$1,370.00 worth of seeds. Another customer's purchases amounted to \$1,487.33 during the season, but it was divided up into several orders. Both were perfectly satisfied. W. P. Turner, of Pennsylvania, who bought seeds of us to the amount of \$1,397.54, wrote us in the fall: "All the seed has given perfect satisfaction."

### PERMANENT GRASSES.

Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover and timothy alone. All authorities agree that for both pasture and hay, best results are obtained from the use of grass seeds in mixture. The reasons are that: First—A number of species will insure a much denser growth than the same number of seeds of one or two species, and prove less exhausting to the soil, since they live to a large extent on different constituents. Second—Seasons that affect some grasses adversely are favorable to other sorts. So that with mixtures a failure is practically impossible, provided, of course, the seed is good. We take great pains in selecting grass seeds, in order to secure the highest germination, and our mixtures are based on a full appreciation of the requirements of the different soils for which they are intended. We have made a study of this subject, and have grass specialists in our employ and can furnish the seed of the best varieties of grasses mixed in proper proportions for any soil or climate. Please read carefully the descriptions of the various kinds of grasses and remarks below on sowing grass seeds, and don't be content to follow the old way that your father and grandfather did, but adopt new methods, sow improved varieties and double your crop.

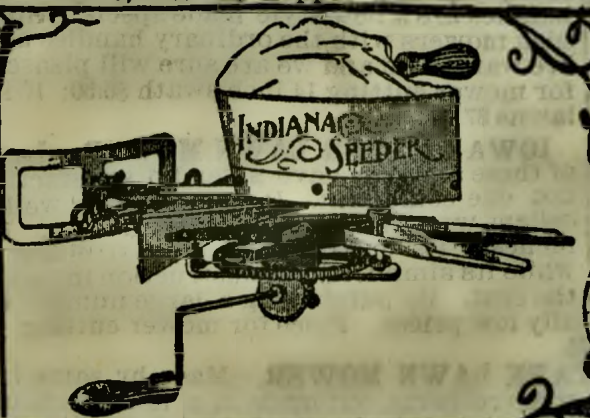
### WHEN AND HOW TO SOW GRASS SEED.

The most rapid way of obtaining a grass crop is to sow the seed early in the spring, by itself, without any grain or nurse crop, as the young grass plants are in no way protected by the grain, and when this is cut the young clover and grass is very tender. The cutting of the so-called nurse crop suddenly exposes the young grass at the hottest time of the year, and there is danger of the grass being burned out, while when the grass is sown by itself the young plants are hardened and more able to withstand the hot and dry sun. However, some farmers will want to sow seed oats with the grass seed, and we wish to call their attention to our Early Champion Oats as being especially adapted for a nurse crop on account of its not stooling so heavily as other varieties. To obtain best results use only a moderate quantity of oats to sow with grass seeds.

After the ground is carefully prepared, the seed is sown broadcast, which can be nicely and evenly done and very quickly with the little hand seeders which we advertise. As seed is small it should not be covered very deep, the natural covering which may take place after a shower of rain is sometimes sufficient. However it is best and more certain to lightly harrow it in. The pressure of a common farm roller on Clover and Grass seed covers the same slightly, and is one of the best means to assure the quick and even germination of the seed.

### INDIANA BROADCAST SEED SOWER.

Has a solid malleable-iron frame, but the hopper and most of the balance of the machine is of steel. The bag will hold half a bushel. It is equipped with an agitator thus making a practical force feed, and also with a seed gauge for adjusting the quantity of seed sown. A special feature of this machine different from all others is that the crank can be used either on the right or left side. It is therefore the only seeder that we know of that a left-handed operator can use with ease. It weighs only 3 1/2 pounds; will sow 50 feet of wheat or rye at a round, 30 to 35 feet of flax, clover, timothy or millet; light grass seeds 15 to 30 feet. Price, only \$1.50. Or we will give one of them free on orders for Grass Mixtures amounting to \$20.00 or more.





# A NICE LAWN ADDS MORE TO THE VALUE AND BEAUTY OF A PLACE THAN ANY OTHER ADORNMENT.

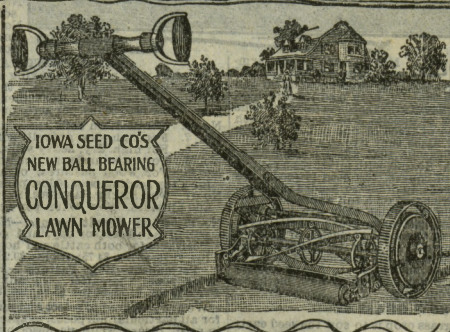
Thank God for grass! No other glory vies  
With the refreshing glory of the grass;  
Not on the blue of the over-arching skies,  
Nor fading splendors when the daylight dies,  
Can this sweet smile of living green surpass.

A nice velvet lawn adds more to the beauty of a place than any other adornment, and even the humblest home may be made attractive with such surroundings, while without a good lawn even the finest flowering plants and elegantly arranged beds seem insignificant. How important it is then to plan for the best lawn obtainable. To not spend money in sodding a lawn, for it is expensive and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to get the seed and the lawn is far better. Ask for circular, "How to Make a Lawn."

**EVERGREEN MIXED LAWN GRASS SEED.**—This is a mixture of the best varieties of grass seeds, suited for growing together in the central and northern states, and will make a beautiful soft velvet lawn and so handsome green as an emerald, and is formed of grasses which keep green from early spring all through the hot dry summer weather, until late in the fall. It comes up quickly (in about two weeks) after seed is sown and after once up it soon spreads to cover the ground and is ready for the lawn mower in six to eight weeks. It roots deeply on any soil and forms a dense, thick turf with no tendency to grow in tufts or clumps. It is permanent, maintaining its beauty for a lifetime, although it is a good plan to give any lawn a top dressing once in every three to five years. This mixture is made by ourselves from new crop, re-cleaned pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. It cannot be excelled for producing a rich, velvet lawn of beautiful dark green color. Price per qt. (will sow 300 square feet), 25c, 4 qts. 85c. postpaid. By freight, per bushel of 15 lbs. \$2.75, 50 lbs. \$8.00, 100 lbs. (will sow one acre) \$15.00.

**CENTRAL PARK LAWN GRASS SEED.**—This is a mixture of about a dozen varieties of grasses which our years of study and experiment have proven to be best adapted to growing together. It is very nice for lawns but is of special value for parks and around country homes where it is not convenient to mow the lawns frequently. It contains some fragrant grasses which give out a delightful odor when growing or when cut, and while it is of course better to cut it frequently, still it retains much beauty even if allowed to become long. It is the grass for country homes, cities and large estates and for this purpose sow about 50 lbs. per acre. Per qt. 20c, 4 qts. 75c. postpaid. By freight, bushel of 15 lbs. \$2.50, 50 lbs. \$7.00, 100 lbs. \$14.00.

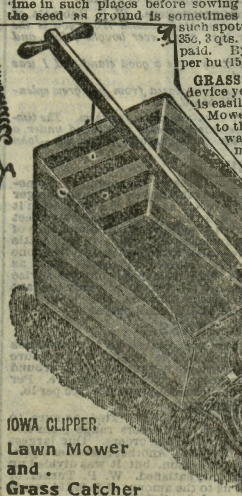
**SHADEY LAWN MIXTURE.**—Just the thing for sowing under shade trees, as it is a combination of grasses which grow naturally in the woods and are of dwarf evergreen growth. Rake in a little air-slacked lime in such places before sowing the seed as ground is sometimes



IOWA SEED CO'S  
NEW BALL BEARING  
CONQUEROR  
LAWN MOWER

"sour" in such spots. Per qt. 25c, 3 qts. \$1.00 postpaid. By freight, per bu. (15 lbs.) \$4.00.

**GRASS CATCHERS.**—The most successful device yet brought out for the purpose. It is easily attached to any make of Lawn Mower that we know of, and as it fastens to the handle only, it does not in any way interfere with the action of the mower. Our cut shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass. No. 1, suitable for the 12, 14 and 16 in. mowers. Price 65 cents. No. 2 for 16 to 20 inch 90 cents.



IOWA CLIPPER

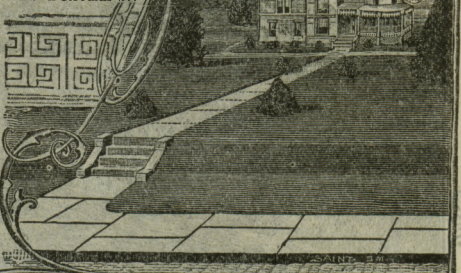
Lawn Mower  
and  
Grass Catcher

## OTHER LAWN SUPPLIES

Horse Mowers,  
Lawn Rakes  
Etc.

See Page 97

Ask for Special  
Lawn Circular



**KENTUCKY BLUE GRASS.**—Many of our customers prefer a clear blue grass lawn to the mixtures. Our stock of this is the best grade of fancy cleaned, new crop, tested seed. Per lb. 30c, 3 lbs. 80c. postpaid. By freight per bushel of 14 lbs. \$7.

**TERRACE LAWN MIXTURE.**—It is sometimes difficult to get a good sod on sloping ground, terraces, sidewalks or embankments. This is a mixture of such grasses as have strong spreading roots, making a close turf which the heavy rains cannot easily wash out. Per qt. 35c, 3 qts. 90c. postpaid. By freight, per bu. (15 lbs.) \$3.60.

**WHITE CLOVER.**—Makes a close turf and looks nice mixed with lawn grass. Per lb. 25c, 3 lbs. \$1.00 postpaid.

**PEERLESS LAWN FERTILIZER.**—You cannot expect your lawn to look fresh always when you are cutting a crop of grass from it every week. Lawn grass is a voracious

**NEW BALL BEARING CONQUEROR LAWN MOWER.**—For 45 years past one of the oldest and largest manufacturers has been experimenting to adapt the ball-bearing and other new features to lawn mowers. For two or three years he has put out a few dozen each year to give them a practical test and they have proved wonderfully successful. He has this year put them into our hands and consequently we can now offer our customers by far the best mower ever put on the market. The shaft is extra heavy bearing four cutting knives, and it runs at a high speed compared to ordinary mowers. This gives it a continuous cut, and makes a much smoother, cleaner lawn. The wheels are 9 inches in diameter, with skeleton rims. It has parallel bearings provided with micrometer adjustment, so that practically it cannot wear out. Stationary knife is of the best cast-steel, hardened, tempered and self-sharpening. In all respects it is designed for hard, continuous service, and still the ball-bearings and all parts are so perfectly adjusted, that it runs as easy as a bicycle. As will be noticed the handles are a new style made specially for us. If desired, we can furnish mowers with the ordinary handles at 50 cts. less. The mowers are warranted and we are sure will please the most particular. Price for mower cutting 14 inch swath \$3.50; 16 inch \$7.00; 20 inch, for large lawns \$7.75.

**IOWA CLIPPER LAWN MOWER.**—Last year we sold a great many of these and they gave splendid satisfaction everywhere. There was not one complaint. It is thoroughly well made, runs easily does excellent work, cutting smooth and clean. Diameter of bed, 24 inches. Its cutting bar is solid steel and all parts are of best quality while its simplicity of construction insures durability and also lessens the cost. By purchasing a large number we are enabled to offer them at wonderfully low prices. Price for mower cutting 18 inch swath \$2.75, 14 inch \$2.25, 16 inch \$3.75.

**IMPROVED STARK LAWN MOWER.**—Made by same factory as the Iowa Clipper and is similar in some respects, but made in a more careful and expensive way. The drive wheels are very high (14 inches) and this makes it run easier in tall grass. It cuts an 18 inch swath, and is especially adapted to large lawns. Price \$3.00.

**RUBBER ROSE.**—A good strong quality, better than that sold in most places. Per roll of 50 feet \$3.00. Best Quality—such as we use on our own grounds, per roll \$7.50.



## SEED POTATOES.

With no other seed is the importance of change more essential than with potatoes. By using our northern grown seed you are assured of early maturity, increased yield and vigorous growth. The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of the same latitude, and we have many customers in the north and far south who consider our stock much superior to any other.

Order as early as possible, stating whether you desire them shipped by express or freight, and we will ship as soon as the weather permits. We will ship at any time, when requested to do so, regardless of the weather, but customers in this case must take the risk. Those living at a great distance should look up freight or express rates before sending orders. Prices are subject to any important market changes. Ask for special quotations on large lots. At prices named we make no charges for boxes, barrels or drayage. **POUND PRICES.**—All varieties 80c per pound, 3 pounds 75c, postpaid.

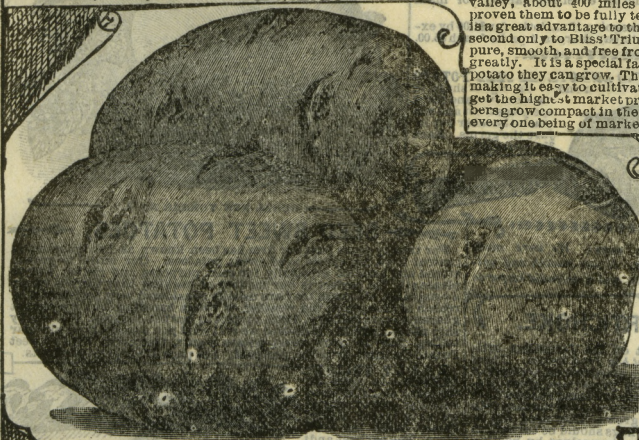
Read T. B. Terry's new book—"A B C of Potato Culture." Price 40c, postpaid.

**BLISS' TRIUMPH.**—The Earliest Potato in Existence. A handsome round variety which is by far the earliest variety in the world, maturing a week before the Extra Early Ohio, and is wonderfully productive. The tubers are not large, but are of a nice medium size for early use, round as a ball and a beautiful red color. For several years past it has been the most popular variety in the southern states, and in the Bermudas, and hundreds of carloads are shipped to the northern markets, and bring fancy prices. There is always such a demand for them that the seed is scarce, and invariably brings a good price the following season. It is a vigorous grower, and we cannot recommend it too highly for first early market or family use, especially in the south, but it is not so desirable for main crop. Per peck 50c, bushel \$1.75, barrel \$4.00.

A CROP SIX WEEKS FROM PLANTING.  
THIS IS NOT A FANCY PICTURE BUT AN ACTUAL REALITY.



BLISS' EXTRA EARLY TRIUMPH.



EXTRA EARLY OHIO. (Grown in Red River Valley.)

**BONANZA.**—One of the leading varieties for main crop. The tubers are large, oblong, somewhat flattened, skin dark red, smooth, flesh firm, white and fine grained. Productive and of superior quality. Per pk. 40c, bu. \$1.10, bbl. \$2.75.



PARSON'S PROLIFIC.

**PARSON'S PROLIFIC.**—Introduced by us in 1882, and is still considered by many the best main crop potato in cultivation for Iowa growers. They are a very nice, smooth, white potato, slightly russeted, and with eyes almost even with the surface. They run unusually even in size, there being but few small ones and no overgrown large potatoes. It is the potato for main crop and will pay you to plant some this year. Per pk. 40c, bu. \$1.25, bbl. \$3.00.

**CARMAN NO. 3.**—This handsome new main crop potato is of large size, yielding immense crops of uniform size and shape. It is of perfect form, as shown by the illustration, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but few eyes, and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific, and will please all potato growers. Keeps well. Per pk. 40c, bu. \$1.25, bbl. \$3.00.

May 9th, 1900—The potatoes received from you are the finest I ever had.—A. A. Perry, Meekling, S. D.  
April 10th, 1900—The potatoes you shipped me are the nicest I have ever seen in size, smoothness and purity.—Geo. M. Grogg, Orleans, Ills.

EXTRA EARLY OHIO. (Fancy Northern Grown Stock.)

For several years past we have been having these grown in the noted Red River valley, about 400 miles north of Des Moines, and careful tests have proven them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety as the head, second only to Bliss' Triumph. They are all of good average size, strictly pure, smooth, and free from scab or rot, and outyield other early sorts greatly. It is a special favorite with market men, and the most profitable potato they can grow. The sprouts are very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices and have the land for other crops. The tubers are compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size. They keep firm till late in the spring.

This variety is frequently sold under the name Extra Early Six Weeks. This is our specialty in standard varieties. Don't plant Iowa grown stock when you can obtain these. Per peck 50c, bushel \$1.40, barrel \$3.50.

"The two barrels of Extra Early Ohio Potatoes just received; am well pleased with them."—John Entekin, Kingston, Ohio.

**EARLY OHIO.**—Grown in Iowa. Our stock is as nice as any which can be obtained. We think, and is desirable both for early and main crop. Per pk. 40c, bu. \$1.45, bbl. \$3.00.

**MINNESOTA EARLY ROSE.**—The Early Rose will doubtless always be a favorite sort and our Minnesota grown stock is much superior to the Iowa grown in size and earliness. Per pk. 40c, bu. \$1.25, bbl. \$3.25.

**EARLY BEAUTY OF HEBRON.**—A standard early sort and largely grown also for main crop. Per pk. 50c, bu. \$1.25, bbl. \$3.00.

**WORLD'S FAIR.**—A new potato of great value for general use. It is a first quality, strong grower, very prolific, main crop variety. Tubers are smooth and symmetrical; skin white, well covered with netting; flesh pure white, fine grained, mealy. Per pk. 10c, bu. \$1.35, bbl. \$3.50.



CARMAN NO. 3.



# Van Ornam's Favorite.



**RURAL NEW YORKER NO. 2.**—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes; skin white as is also the flesh, which is of superior quality. Medium late and best drouth resister. Per pk. 50c, bu. \$1.00, bbl. \$2.75.

**NORTH POLE.**—A large sized smooth potato with very shallow eye, and we have never seen a hollow one. It is prolific and an excellent variety for main crop. Per pk. 50c, bu. \$1.50, bbl. \$3.50.

**COLLECTION.**—1 lb. each of the foregoing 12 varieties for \$1.00 by express, purchaser to pay freight, 1 peck of each \$3.00.

## Hybridized Potato Seed.

Potato seed from the flower boll, (the true seed). It is from such seed that all the choicest new varieties of potatoes are originated. Every farmer boy ought to "try his hand" with one or more packets of Potato Seed, and his father should get him the seed, give him the ground, and time to attend same. The result is interesting, and of very profitable as you are just as apt to obtain a choice new variety as an experienced potato specialist. Pkt. 10c, 5 for 50c.

The Nevada State Experiment Station says: "We were much pleased with the Van Ornam's Favorite Potato. It was smooth and uniform in shape, of a size that the market demands, and a splendid keeper so far as we have tested it."

## MAMMOTH WHITE ARTICHOKE.



An improvement on the Jerusalem artichoke. The greatest hog food known. These are attracting much attention on account of their great fattening properties, great productiveness, (over one thousand bushels having been grown on one acre), and the ease with which they can be grown. They need not be dug in the fall: the hogs should be turned on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October to April, except when the ground is frozen too hard for them to root. They are also said to be a preventative of hog cholera and other diseases, and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. Three to five bushels will seed an acre, and they may be planted whole or cut the same as potatoes. One eye to a piece being sufficient. Plant in April or May, in rows three feet apart and two feet in the row and cover about two inches deep. To destroy them they should be plowed under when the plant is about a foot high, at the time the old tuber has decayed and new ones are not yet formed. Seed artichokes are quite scarce this year, therefore it would be advisable to place your order early and secure a supply from our choice stock. 1 lb. 30c, 5 lbs. 75c prepaid. By freight or express, pk. 50c, bu. \$1.25, bbl. \$3.00.

ARTICHOKE

## WHITE SWEET POTATOE, or "YAMS."

**WHITE SOUTHERN QUEEN.**—These are the large "Yams" which are so popular in the south. Even the seed potatoes are monster size often weighing several pounds each. Peck 75c, bu. \$2.00, bbl. \$4.50.

**VAN ORNAM'S FAVORITE.**—Mr. F. B. VanOrnam of this state is well known throughout the country as a prominent seed potato grower and has originated several of the best varieties of potatoes now on the market and is the author of a popular book on potato culture. This new variety he says is superior to any other now on the market for main crop. It is a seedling of strong, erect, vigorous growth with plenty of dark green foliage which is quite tough and resists drouth, blight and insects the best of any variety. The tubers are long and round sometimes slightly flattened, of pure white color and large in size. The potatoes grow very compactly in the hill and moderately near the surface, thus making it easy to harvest. These are plenty, but they are about level with the surface causing no inconvenience in peeling. It matures at medium season, the ideal time for main crop potato; flesh is very white and mealy when cooked and quality unsurpassed; it is an extra long keeper, remaining sound and of fine flavor and appearance well into the following season. Mr. VanOrnam says it is without doubt the healthiest and greatest drouth and heat resister now on the market. Stock is so small that we are unable to offer it in large quantities. Per lb. 50c; 3 lbs. \$1.25 postpaid. By freight or express per 1/2 pk. 75c; per pk. \$1.25.

"The Proof of the Potato is its Eating."



RURAL NEW YORKER NO. 2.

## SEED SWEET POTATOES.

For twenty years past our firm has been known as headquarters in central Iowa for choice seed sweet potatoes. Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. So perfect is our manner of packing that there is rarely a complaint, although they are usually considered very perishable, by reason of changes in the weather or rough handling, but we cannot guarantee safe delivery. Prices subject to market changes. We usually ship about April 12. If desired we will send you a copy of our circular telling how to grow sweet potato plants, free; read Fliz's Sweet Potato Culture; Price 60c, postpaid. See page 55 for prices of plants.

### EARLY YELLOW JERSEY.

—In spite of the many so-called new varieties, all of which we have tested, Early Jersey holds the first place. The earliest and most productive of large, short, chunky shape and very best quality. It will probably always remain the most popular market sort. Last year we renewed our stock from New Jersey and they are far superior to such stock as is usually sold. Potatoes are of good medium size and very few small ones. Pk. 50c, bu. \$1.40, bbl. \$3.00.

**YELLOW NANSERMOND.**—Like the above, but averaging longer and not so "chunky." Per pk. 50c, bu. \$1.25, bbl. \$2.75.

**RED JERSEY.**—Similar in shape to our Early Yellow Jersey but of a dark red color. Quality excellent and it is without doubt the best of all the red varieties. Per pk. 75c, bu. \$2.00, bbl. \$4.50.

**NEW GOLD COIN WINELESS.**—A novelty of great merit which has been very popular during the past few years since its introduction. Instead of having long running vines like all other sorts it is of dwarf bush-like growth; leaves are large, shaped somewhat like a maple leaf and unlike any other kind of sweet potato. The tubers are yellow, of medium to large size, and lie compactly in the hill. When cooked the flesh is rich yellow color, dry, sweet and of best possible quality. They are quite productive, an immense crop can be raised because of the peculiar manner of growth they can be planted closely together and require less labor in cultivation. Excellent keepers. By mail per lb. 40c, 3 lbs. \$1.00. By freight, peck 75c, bu. \$2.00, bbl. \$4.50.



# FLOWER SEEDS

OUR FLORAL BEAUTIES come in for their full share of attention, and 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 trying 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.

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 yield a better assortment than is commonly found. As this book is small, we are obliged to give but a brief list of flower seeds here, but our specialists and novelties will be found in the front part of this book. Directions for culture on the packets.

**DISCOUNTS.**—In spite of our very low prices by the packet, we still offer flower seed in packets only to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds for to seeds by weight or measure. All flower seeds are sent free by mail on receipt of price.

## BALSAM

**CAMELIA FLOWERED MIXED.**—Very double, resembling the camellia in form, of unusual size, perfect shape and our mixture contains all the best colors. You will be greatly pleased with it. Pkt 5c

## SWEET ALYSIUM.

Has pretty little white flowers, useful for making up in all kinds of bouquets. Its fragrance, while sufficiently pronounced, is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt 3c

## 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. Sow seed early and give deep, rich soil, with plenty of mulching.

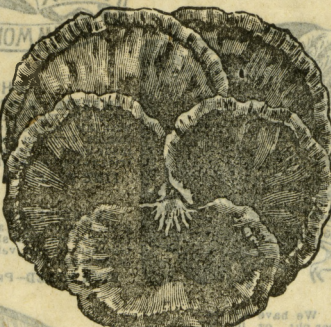
**ROYAL MIXED.**—Per pkt. 10c  
**ALL KINDS MIXED.**—Per pkt. 5c

## AMARANTHUS.

Prized for variety of handsome foliage, better grown in conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Mixed colors. Pkt. 5c

## ANTIRRHINUM.

(Snapdragon)—One of the most useful and beautiful border plants, blooming the first season until after frost. Pkt. 3c



SPECIMEN INTERNATIONAL PANSY

## CANDYTUFT

Considered indispensable for cutting. All the varieties look best in bed or masses, hardy, easy culture and blooms very profusely. Mixed. Pkt 3c

## AGERATUM.

**MEXICANUM.**—Very desirable for bouquets produces a great many blue flowers and blooms a long time, largely used by florists: star seeds early. Pkt 4c

## AGROSTEMMA

A very hardy plant introduced from Asia suitable for border plants. Pkt 3c

## ABRONIA.

Trailing habit similar to verbenas, bearing clusters of sweet-scented rose-colored flowers. Pkt 3c

## MORNING GLORIES.

**IMPROVED CLIMBER.**—Everybody knows the common Morning Glory, but many of the choice new varieties contained in this mixture are indeed rare. It will be found to include the spotted and striped varieties with marbled and lacinated foliage. The ivy-leaved kinds—in short, the largest variety of Morning Glories ever offered in one package. Per pkt 5c, oz. 20c



OUR HOME MORNING GLORIES.

I LOVE FLOWERS DON'T YOU?

## CELOSIA.

For summer beds we know of nothing that will produce as showy and brilliant effects. Mixed. Per pkt. 4c

## CYPRESS VINE

A beautiful rapid climber with delicate, dark green foliage and an abundance of bright, star-shaped, scarlet and white blossoms, which in the bright sunshine presents a mass of beauty. Pkt. 3c

## PANSIES.

These little beauties need 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 are a specialty with us, and we use the greatest care in growing, selecting and importing the best strains of these universal favorites.

**INTERNATIONAL MIXED.** The choicest sorts from all parts of the world. Pkt 20c

**LARGE FLOWERING MIXED.**—Pkt 7c

**IMPERIAL GERMAN MIXED.**—Pkt. 10c

**FINE MIXED.**—Pkt 5c

## DAHLIAS.

The dahlia is well known but few are aware that if the seed is sown early in the spring they will bloom the first year. Our seed is of the finest strain, and produces magnificent, large, very double flowers of the richest shades. Pkt 5c

## DIANTHUS PINKS.

An old garden favorite. All varieties mixed. Pkt 5c

## FUCHSIA

Fine plants can easily be raised from the seed which will bloom freely during the summer in a cool, moist situation in the open air. Double and single mixed. Pkt 10c

## GAILLARDIA.

The Blanket Flower. Exceedingly beautiful annuals making very showy plants one to two feet high. Grown in mass they are especially effective. Pkt 5c

## ACROCLINUM

Large double flowers of white, rose etc. splendid everlasting for winter bouquets. Mixed colors. Pkt 3c

## HOLLYHOCK

No garden flower is more showy or admired. Start the seeds in a box in the house in Feb. or March and about May let transfer to a permanent place in garden where they will produce elegant spikes of flowers of various beautiful colors.

**FINE MIXED.**—Contains a good variety of all the leading sorts. Pkt 5c



**NASTURTIUM.**

**IMPERIAL MIXED**—Includes about twenty of the dwarf varieties selected from both American and foreign growers. The varieties are so selected that the colors harmonize beautifully and delight flower lovers, as they are of most compact habit of growth and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c. oz. 30c.

**LARKSPUR.**

The flowers are borne in compact spikes and are showy and desirable for any situation. Pkt. 5c.

**MOON FLOWER.**

**WHITE**—One of the grandest of summer climbers, growing 25 to 30 feet high and covered nightly and on dull days with beautiful white, moon like flowers from five to six inches in diameter. It has a rich jessamine-like odor. Pkt. of 10 seeds. 7c.

**MIGNONETTE.**

The delicious fragrance of the Mignonette makes it indispensable for bouquets and cuttings. Pkt. 2c.



IMPERIAL MIXED NASTURTIUMS

**RICINUS.**

Castor oil plant. Scarcely foliage plants. Make a very handsome appearance on the lawn singly, also fine for clumps or ornamental hedges. Is said to keep out moles. Mixed varieties. Pkt. 4c.

**SALPIGLOSSIS.**

One of the most beautiful of flowering annuals, forming strong, ho-hy plants about 18 inches high and bearing throughout the season large flowers three to four inches across, of many beautiful colors. Mixed colors. Pkt. 5c.

**PORTULACA**

**GRANDIFLORA SINGLE MIXED** Pkt. 3c.

**DOUBLE MIXED**—Pkt. 10c

**ZINNIA.**

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness. The colors are bright and varied, ranging from pure white to deep, purplish crimson. Splendid for hedges, beds or borders. Double mixed. Pkt. 3c.

**SWEET PEAS.**

May well be called America's favorite flower. We have all the best named varieties, most of which sell at 5c per pkt. oz. 10c. lb. 30c. lb. 50c.

**IMPERIAL MIXED**—Sixty of the best varieties carefully selected so as to get the proper proportion of each color in the assortment. This makes the choicest mixture ever offered and we are sure our customers will be greatly pleased with them. Per pkt. 5c. oz. 10c. lb. 30c. lb. 50c.

**FINE MIXED**—Per pkt. 2c. oz. 5c. lb. 15c. lb. 35c.

**PERFECTED MIXED**—A choice mixture. Per pkt. 5c. oz. 10c. lb. 20c. lb. 50c.

**VERBENA.**

A universal favorite everywhere. Blooms freely when grown from seed.

**NEW CENTURY MAMMOTH**—Most beautiful colors, largest flowers and largest truss of any verbena. When well grown every flower measures over nine inches in circumference while the single flowers are as large as a twenty-five cent piece. Contains a great assortment of colors. Pkt. 15c.

**NEW CENTURY MAMMOTH**—Per pkt. 15c.

**FINE MIXED**—Per pkt. 4c.

**STOCKS.**

Sometimes called Gilliflowers. Popular. Large flowering mixed. Per pkt. 5c.

**SWEET WILLIAM.**

An old favorite, hardy perennial. Double or single mixed. Pkt. 5c.

**SENSITIVE PLANT.**

A very pretty and curious plant, the leaves closing when touched. It makes a good house plant for winter, and always pleases the children. Pkt. 5c.

**IMPERIAL MIXTURE.****PHLOX DRUMMONDII.**

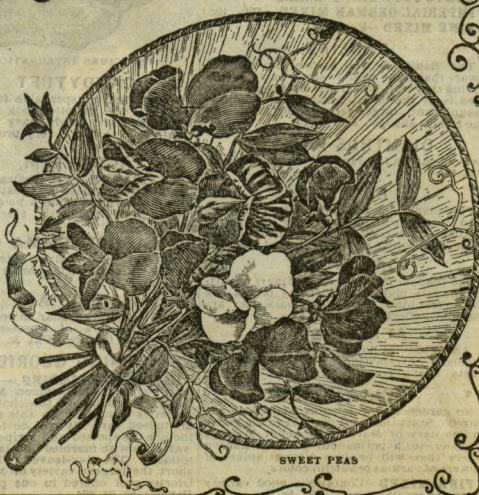
**IMPERIAL MIXTURE**—We consider the Phlox the flower of flowers for making a beautiful bed and this is especially the case with this elegant new mixture which we now offer to our customers. It might well be called an International mixture as it is made up of the novelties in this line from many foreign countries as well as the choicest American sorts. Pkt. 1c.

**FINE MIXED**—A nice variety. Pkt. 5c.

**PETUNIA.**

**GRANDIFLORA MIXED**—Very large, elegant flowers, a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 500 seeds. 10c.

**FINE MIXED**—Pkt. 3c.





## FLOWER BULBS.

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. Our bulbs are large and strong, and will be sent well packed, postpaid on receipt of price, except where noted.

**DISCOUNTS.**—Your selection of bulbs to the amount of \$1.00 at catalogue prices will be sent postpaid for \$1.00 \$2.50 for \$2.00.

**TUBEROUS ROOTED BEGONIAS.**—Of all the introductions of recent years, none have received a heartier welcome than the giant-flowered, tuberous-rooted begonias which have been brought to wonderful perfection. These flowers sometimes grow six inches in diameter, are borne upright on stiff stems, and of the richest color, embracing every shade of white, rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange. Tuberous begonias are well adapted to house culture and make splendid beds on the lawn. Choice double and single varieties mixed. Each 15c, doz. \$1.50.

**APIOS.** *Tuberosa*.—A quick growing vine bearing lovely clusters of rich, deep purple flowers. Each 5c, doz. 40c.

**CINNAMON VINE.**—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves and clusters of delicate white flowers and delicious cinnamon odor it is a most desirable climber. We furnish the large tubers, postpaid, for 10c. 3 for 50c, doz. 75c.



AURATUM LILY.

## LILIES.

No class of plants capable of being cultivated out of doors possess so many charms; rich and varied in color; stately and handsome in habit; profuse in variety, and of delicious fragrance. They thrive best in dry, rich soil, where water will not stand in winter.

**Coral Lily.**—The flowers are a brilliant crimson, and have a peculiar waxy or coral-like appearance, quite distinct from all other flowers. Each 15c, 3 for 40c; doz. \$1.50.

**Candidum.**—The pure white garden or Easter Lily; flowers snow white; hardy and free blooming. Each 15c, 3 for 40c.

**Auratum, or Japanese Gold-Banded Lily.**—This is justly entitled to the name often given it—the Queen of Lilies—and it is decidedly the most beautiful of all lilies. The immense flowers are deliciously fragrant. The large white petals are thickly spotted with chocolate crimson and have a golden yellow band through the center. Success everywhere. Each 20c, 3 for 50c.

**Speciosum Album.**—Large, pure white flowers of great substance and beautifully recurved. For garden or potting. Hardy. Each 15c, 3 for 40c.

**Speciosum Roseum.**—White, stained and spotted rose. Very beautiful. Each 15c, 3 for 40c.

**Double Tiger Lily.**—A double form of the old fashioned Tiger Lily; quite popular where known. Each 15c, doz. \$1.00.

**Single Tiger Lily.**—An old favorite. Flowers orange-yellow; black spots. Each 10c, doz. \$1.00.



## CANNAS. SPOTTED CALLA.

These are now considered the most showy and effective bedding plants. They have giant tropical appearing foliage and wonderfully showy flowers, some of which are truly orchid-like.

**Gloriosa.**—One of the grandest and most beautiful varieties ever brought out. It is a dwarf growing sort with long spikes of bloom and the individual flowers are immense. Color is rich crimson scarlet with a distinct golden band around each petal blending so as to make a "perfect symphony of crimson and gold." It is a perpetual bloomer. Each 25c, 3 for 60c.

**Leonard Vaughan.**—Height 5 feet. Rich, deep bronze foliage. Very strong, robust grower. Flowers freely. Color, bright scarlet without marking and with very wide petals, measuring 1½ inches. The best dark foliaged, gold-flowering canna to date. Each 20c, 3 for 50c.

**Italia.**—Height 5 feet. Large foliage, deep green, bordered white; very large fringed flowers, bright red, bordered with golden yellow. Belongs to what is called the orchid-flowered section. A grand sort. Each 20c, 3 for 50c.

**Burbank.**—Height 5 feet. An improvement on the Austria as it stands the sun better. Very large foliage and grand spikes of canary-yellow flowers, spotted in the throat with brownish-red. Each 20c, 3 for 50c.

**Alsace.**—Height 3½ feet. A grand new white variety and the first of this color. Everyone should try it. Each 20c, 3 for 50c.

**America.**—Height 4½ feet. The beautiful foliage has a dark background, shaded and flamed with green, bronze and purple and shines as if varnished. The spikes are very large and the flowers are enormous, with a yellow throat and petals of glowing red, flamed and streaked with purple—a rare combination of colors. Each 25c, 3 for 60c.

**Queen Charlotte.**—Height 4 feet. A choice variety with green foliage. Flowers rich orange scarlet with gold band. Each 20c, 3 for 50c.

**Charles Henderson.**—Height 4 feet. Rich, deep crimson. Heads large, compact and symmetrical. Each 15c, 3 for 40c.

**Florence Vaughan.**—Height 5 feet. A most striking and beautiful yellow canna, spotted with bright red. Fine for collections. Each 15c, 3 for 40c.

**Chicago.**—Height 5 feet. Of largest size; color a brilliant vermilion, inclined to orange. Erect trusses of bloom. Blooms constantly. Each 20c, 3 for 50c.

**Frédéric Farré.**—A standard bronze red leaved French variety. Desirable for bedding. Each 15c, 3 for 40c.

**Mixed Varieties.**—A nice mixture of above and other sorts. Each 15c, dozen \$1.25.



NEW FANCY CANNAS.





## CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. We grow the largest number and the largest variety to be found in this part of the country. It is the most desirable of all bulbs, and claimed by many who are well acquainted with their varied beauty to be the flower of flowers. Our bulbs will produce immense spikes of bloom and they are of easiest culture.

**Royal Queen.**—By far the finest and largest flowering variety of gladiolus ever introduced. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearly white ground, striped and splashed with a rich carmine, showing to a rosy purple, beautifully blotched by the heat and blooms freely. The flowers measure four inches in diameter when in cup form, or six inches when spread and are held upright on the spike. If you want something extra fine don't fail to try the Royal Queen. Each 15c, 4 for 50c.

**Grace.**—A beautiful new variety of pure clear salmon color, bright violet center. Each 10c, doz. \$1.00.

**Meyerbeer.**—Rose-scarlet, with amaranth red blotch. Each 10c, doz. \$1.00.

**Salmon Pink.**—A handsome new variety of pure salmon pink color. Attractive. Each 7c, doz. 70c.

**Carrie.**—Good sized spike and flower. The nearest purple known in gladiolus. Each 8c, doz. 80c.

**Pyramid.**—Perfect spike. Flowers large, well expanded and of a delicate orange-rose color. Each 10c, doz. \$1.00.

**Pink, Striped and Variegated Varieties Mixed.** Each 5c, doz. 40c.

**Red Varieties Mixed.**—Each 5c, doz. 30c.

**White and Light Varieties Mixed.**—Each 5c, doz. 40c.

**Yellow Varieties Mixed.**—Each 5c, doz. 50c.

**Choicest Mixture.**—Made up mainly from best named sorts. We have dropped all the inferior varieties and are sure our customers will be pleased with this mixture. Large bulbs. Each 4c, doz. 35c, 100 for \$2.25. Second size each 3c, doz. 25c, 100 for \$1.25, postpaid.

**COLLECTION OF GLADIOLUS.**—Six choice named varieties, our selection of sorts, but all labeled, containing an assortment of colors. Also one packet of gladiolus seed of our own growing, carefully hybridized so as to produce new varieties; blooms second year. All for 25c, postpaid.

**OXALIS DEIPHI ALBA.**—Nothing so valuable for edging the borders of walks or flower beds as the beautiful summer oxalis. Bulbs, when planted three inches apart, produce an unbroken row of elegant foliage and pure white flowers, and as they bloom very quickly after planting, furnish a neat and attractive border the whole season. Doz. 10c, 100 for 30c.

**OXALIS DEIPHI ROSEA.**—Somewhat larger flowers and foliage than above. Leaves greatly resemble four-leaved clover; flowers rose color. Doz. 10c, 100 for 50c.

**HYACINTHUS CANDIDIANUS.**—Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Strong bulbs, giving two or more spikes; the number of flowers varies from 20 to 60 each. The appearance is like giant snowdrops. Very suitable for cemetery decoration. Each 5c, 3 for 12c, doz. 45c.

### OXALIS DEIPHI.

**BLACKBERRY LILY.**—Flowers orange color spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. Each 15c, 3 for 35c.

**AMARYLLIS FORMOSISSIMA.**—(Jacobean Lily). Dark velvet crimson. Bulbs may be potted any time in spring. Bloom year after year. Each 15c, 3 for 40c, doz. \$1.25.

**AMARYLLIS JOHNSONII.**—Of strong and vigorous growth bearing from three to six brilliant red flowers on each stem. The petals are striped with white, rendering flowers very attractive. Very fragrant. Each 50c.

**AMARYLLIS ATAMASCO.**—The flowers are upright with broad petals, either pink or white. Each 7c, doz. 55c.

**IRIS KEMPERI.**—Largest flowered and finest of all iris. Plant is vigorous growing, perennial, and the flowers are of many beautiful colors shaded, striped and mottled. Double and single mixed. Each 15c, doz. \$1.25.

**LILY OF THE VALLEY.**—Well known and universally admired spring-flowering plant; flowers bell-shaped, freely produced and powerfully fragrant. To grow in open ground, select a partly shaded, rather moist situation, and they are charming when grown in large patches, as their handsome green leaves and lovely spray of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. Now is the time to get out a bed of these delightful flowers. Our price is low for choice stock such as we send out. Four strong roots for 15c, doz. 40c.



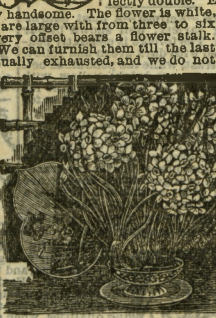


GOLDEN BALL DAHLIA.

**CHINESE SACRED LILY.**—Very handsome. The flower is white, with a yellow tinted cup. The bulbs are large with from six to eight various sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them till the last of March, when the supply is usually exhausted, and we do not have more until fall. Each 15c, 3 for 40c.

**CALADIUM, Esculentum.**—(Elephant's Ear).—A splendid tropical plant growing 4 to 5 feet with immense leaves, beautifully veined and variegated with different shades of green. Very showy leaves often growing 3 feet long. Of easy culture; roots can be stored in cellar in fall and grow larger and more showy each year. Medium sized bulbs 10c, 3 for 25c; large bulbs 25c, 3 for 60c; mammoth 40c, 3 for 81.00.

**PEONIES.**—We have a choice stock of the best varieties of these popular, large flowered old garden favorites. Many colors. Better plant a few in some place where they can remain permanently. Each 25c, 5 for 81.00. *Box of seeds*



CHINESE SACRED LILY.



FERN LEAF BEAUTY DAHLIA.

**Grism King.**—A large ball shaped flower of most handsome, rich dark crimson glowing color; very double. Each 20c, 3 for 50c.

**Malay.**—Very dark velvety crimson; nearly black. Each 20c, 3 for 50c.

**Prince Bismarck.**—Large, double; deep, rich purple. Each 20c, 3 for 50c.

**Double Mixed Varieties.**—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 15c, doz 81.25.

**Fancy Double Mixed.**—The handsome tipped, striped, spotted, variegated sorts in a splendid mixture. Each 20c, doz 82.00.

**Single Mixed.**—Valuable for table or corsage bouquets. Each 15c, doz 81.25.

**Double Cactus Mixed.**—Flowers very beautiful, though peculiar in form, somewhat resembling Cactus bloom. Each 15c, doz 81.50.

**DAHLIA PLANTS.**—Well rooted plants any above varieties, 81.00 per doz., 82.00 per 100, postpaid.

**DAHLIA BOOK.**—Complete and beautifully illustrated; price 50c. Our price only 25c, or given free to any one ordering \$2.00 worth of dahlias.

## BULB COLLECTION.

6 choice Gladioli, 3 Tuberoses, 3 Carnations, 3 Dahlias, 1 Caladium, 1 Gold Banded Lily, 1 Hyacinth Candicans, 2 Spotted Callas and 5 Lily of the Valley, a total of 25 bulbs, worth \$1.50, for only... 81.00.



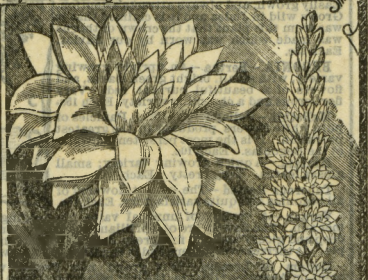
WINTER BLOOMING BULBS.

## TUBEROSES.

**NEW EXCELSIOR PEARL.**—The Tuberosa is justly a universal favorite and very easily grown. The New Excelsior Pearl Tuberoses have been selected with great care and are superior to the ordinary Pearl Tuberoses. This variety is characterized by its short, robust stem and long spikes of large flowers which are perfectly double and twice the size of the common Tuberosa, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for button-hole bouquets. You will be greatly pleased with them. Choice, large bulbs each 5c, doz 40c, 100 for \$2.65, postpaid.

**Dwarf Pearl.**—These are similar to the above, but not as carefully selected and grown. We sold many thousands of them however, last year and customers everywhere were pleased. Each 5c, doz 25c, 100 for \$1.50 postpaid.

**Variegated-Leaved.**—Leaves are bordered with creamy white; flowers single, but very large and of exquisite fragrance. Bulbs continue to grow and bloom year after year. Blooms several weeks earlier than the other sorts, which adds greatly to its value. Each 5c, doz 40c.



**EXCELSIOR PEARL TUBEROSE.**

## 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. Our bulbs arrive from Holland about Sept. 15. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for full catalogue, which contains a full descriptive list. Ready September 1st.

**Hyacinths.**—Either double or single mixed. Each 7c, doz 75c.  
**Tulips.**—Double or single mixed. Each 5c, doz 30c.  
**Narcissus, or Daffodils.**—Mixed varieties. Each 5c, doz 50c.  
**Crocus.**—Mixed colors. Doz. 10c. **Scilla Siberica.**—Each 4c, doz 35c.  
**Snowdrops.**—Single—extra fine bulbs, 50c per doz. Double—extra fine bulbs, 25c per doz.



## FLOWER PLANTS.

7  
NEW  
GREENHOUSES  
THIS YEAR  
ADDED TO OUR PLACE.

For the past few years we have devoted special attention to the growing of flower plants exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants grown in the high temperature at which most florists are obliged to keep their houses, in order to produce cut flowers, grow so rapidly that they are soft, succulent and not fit for sending through the mail. The common hothouse grown plants are ill prepared to stand shipment or the great change of temperature to ordinary house culture or outdoor bedding. This year we have added seven new greenhouses to our place, besides cool storage rooms for dormant plants and two large rooms for packing plants orders in. We are filling orders constantly from every state and also from various parts of Canada, Mexico, etc. Our system of packing is so very complete that plants arrive in almost a perfect condition after traveling hundreds of miles as they were when packed.

**TERMS AND DISCOUNTS.**—At prices named we send the plants postpaid. Orders for plants must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00.

**WE GUARANTEE**—That plants ordered from this list will reach purchasers in any part of the United States in good order if sent by mail or express.

**NOTICE**—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until the usual season for setting out. If ordered for immediate shipment they will be sent at purchaser's risk.

**ABUTILON**—Eclipse.—A most charming trailing variety; well shown by our illustration. The foliage is elegantly pinnatifid, marked with dark green and yellow—a fine contrast, while the pendulous bell shaped flowers are bright yellow with crimson throat. An excellent plant for masses and hanging baskets as well as for rockeries. Each 10c.

**ABUTILON**, Souvenir de Bonn.—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Amid these leaves the graceful drooping, orange-colored flowers are produced in great abundance, forming a clear and brilliant contrast. Each 10c.

**ASPARAGUS SPRENGERI**—A splendid new plant for hanging baskets or pots. Each 15c.

**ASPARAGUS PLUMOSUS NATUS**—One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown even in a north window. The leaves are a bright green, are gracefully arched and are as finely woven as the finest silver mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks, hence it ranks as the most valuable plant we have for this purpose, surpassing Maiden Hair Ferns in many respects. Price, strong plants, 25c each.

**ALTERNANTHERA**—A very bright colored, dwarf-growing foliage plant, largely used for carpet bedding, borders, etc. Four best varieties. Each 10c, doz. 75c.

**CINERARIA**—Magnificent flowering plants in winter and spring for windows and conservatories. The flowers of this large flowering type measure two inches across, are of white, blue, violet, crimson, etc., covering the plant with a sheet of blooms. Each 5c.



ECLIPSE ABUTILON.

**ACHILLEA ALBA**—A very pretty plant bearing a profusion of small white flowers. Each 10c.

**CROWN OF THORNS**—Euphorbia.—A very curious and remarkable window plant. It is a strong-growing creeper or climbing plant that can be trained over any desired form as shown in the illustration; and when full of its large, bright scarlet flowers, which almost cover the deep, glossy, green leaves, it is an object of rare and striking beauty. Easily grown, and always attracts attention. Grows wild in Judea and it is claimed that it was from this plant that the crown of thorns was made which was worn by our Savior. Each 25c.

**BEGONIA**—Bertha.—An upright growing variety with small, bright green leaves, and flowers of a beautiful currant red. Very floriferous and a charming variety. Each 15c.

**McBethii**—Foliage fern-like. Panicles of pure white flowers produced in the greatest profusion. It is the most persistent bloomer of the Begonias. Each 10c.

**Minuta**—A quick growing variety; small glossy leaves. Very pretty. Each 10c.

**Tuberous Rooted**—The largest flowered of all begonias and quite satisfactory. Each 15c.

**Vernon**—A variety of unusual value for bedding, as it will stand the hot summer sun. The flowers are of a brilliant deep red color; the foliage is very abundant, deep and glossy and of a fine green color, spotted and variegated with bronzed purple. It thrives everywhere and is equally good as a winter bloomer. Each 10c.

**Madam de Lesseps**—This grand new French variety is a decided improvement on *Argentea Gutata*, the leaf being four times the size seen in that variety while the silky texture is the same, and it is beautifully spotted with silver. A very strong, free-growing variety, that will succeed with any ordinary care, growing rapidly and sending out quantities of beautiful pink and white flowers. Each 15c.

**Thurstoni**—A beautiful stately plant. The under side of the leaves is a rich, purplish red, the veins being very prominent; upper side bronzy green shaded with crimson olive; flowers rosy white; large clusters. Each 15c.

**Metalica**—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded white. Each 10c.

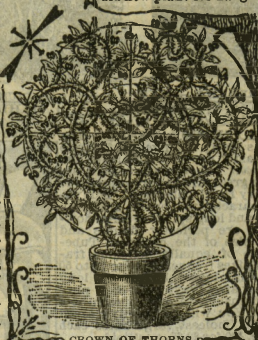
**Erfordi**—Very popular small variety. Each 10c.

**Rubra**—Fine constant bloomer; rosy scarlet. Each 10c.

**Argentea Gutata**—Purple bronze leaves with silvery markings. White flowers; splendid for house. Each 10c.

**Semper Flores Gigantea Rosa**—A superb variety; strong and upright; large cardinal red flowers. Each 15c.

**Rex**—The Rex or King Begonia is well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. Choicest varieties of the Rex class. Each 50c.



CROWN OF THORNS.



ASPARAGUS PLUMOSUS NATUS.



VERNON BEGONIA.

BEX BEGONIA.



## CARNATIONS.

Frugrant flowers are always sought after, and the rich, spicy odor of the carnation combined with various colors, leaves little to be desired. Easily grown and bloom freely.

**Evelina.**—(Cut No. 1.)—A grand, pure white, early and free flowering carnation of healthy, vigorous growth; makes fine bushy plants, and bears an abundance of flowers on long stems; petals finely fringed and very fragrant. An excellent variety, and best of all for general use. Each 10c, doz. \$1.00.

**American Flag.**—(Cut No. 2.)—An immense, strong, vigorous grower and profuse bloomer. Very fragrant. The color is different from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 10c, doz. \$1.00.

**Mrs. Geo. M. Pratt.**—Color clear white, heavily edged and striped with bright scarlet; flowers enormous and full, center petals standing erect, giving the bloom a well-rounded form. Strong and vigorous. Each 10c, doz. \$1.00.

**Julie.**—Color intense scarlet of the richest shade. One of the largest flowers among the reds; flowers full and well built; a free, continuous bloomer. Each 10c, doz. \$1.00.

**Gold Nugget.**—Rich golden yellow, in fact the best yellow known among carnations. A strong, vigorous grower with long stems. Very full, double flower. Free flowering. Each 10c, doz. \$1.00.

**Argyle.**—One of the sensational new carnations of this year, receiving awards wherever shown. Color a pleasing shade of carmine pink, flowers extra large, borne on strong stems. Early and continuous bloomer. Each 10c, doz. \$1.00.

**Flora Hill.**—Considered by florists the best pure white variety. The flower is of enormous size and rounded build; wonderfully free in bloom; good calyx. Each 10c, doz. \$1.00.

**Triumph.**—An exceptionally strong, healthy grower, with extra large blooms  $2\frac{1}{2}$  to 3 inches across, on heavy, stiff stems. Flower very full, of fine form and deliciously pink. Each 10c, doz. \$1.00.

**Mayor Fingree.**—Clear lemon-yellow, lightly marked with pink and white. Each 10c, doz. \$1.00.

**Helen Keller.**—Immense sized, creamy white clearly striped with carmine. Each 10c, doz. \$1.00.

**Empress.**—A magnificently fringed large flower of rich velvety purplish crimson color. Very fragrant. Each 10c, doz. \$1.00.

## CARNATIONS.—1, Evelina. 2, American Flag.

**OTAHEITE ORANGE.**—The most hardy of the orange family, and is desirable for pot culture. It is dwarf of a low, shrubby growth, with beautiful, glossy green leaves and an abundance of large, white, sweet-scented blossoms, borne almost continually. The fruit is small and bright orange red in color. A great beauty. Each 10c, doz. \$1.00.

**MOUNTAIN PINK.**—A fine plant for basket or rockeries. Flowers bright pink, two inches in diameter. Each 10c.

**OXALIS.**—A fine plant for pots or baskets. Several varieties. Each 10c, 4 for 25c.

**OLD MAN'S BEARD.**—A curious and quite decorative plant having very fine hair-like foliage of steel blue or bluish gray color. Fine for edgings, window boxes, etc. Each 10c, 6 for 10c.

**SANTOLINA.**—A very pretty, dwarf, growing little evergreen shrub. The foliage is finely cut and of a silvery gray color thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves like Coleus. Each 10c, doz. 75c.

Whoever has been in our large city parks will never forget the ornamental beds—curving and quaint designs and mingling arabesques of all colors—which look like vari-colored rugs spread at short intervals on the smooth lawn. These are formed of Coleus, the most popular of all bedding plants because of their bright colors and cheapness. Plants should be frequently sheared down to keep beds looking to best advantage. The following are the very best varieties:

**Beck with Gem.**—Crimson blotched with purple maroon, green border spotted creamy yellow; very strong grower. This is a grand variety. **Autumn Glow.**—Has all the beautiful tints of autumn leaves. **Golden Bedder.**—Color yellow. This is the best yellow coleus for bedding. **Deep gold in the sun.** **Firebrand.**—New, maroon flamed and shaded with brilliant fiery red. **Verschoffetti.**—The oldest, still one of the best, dark rich velvety crimson. **Little Gem.**—Long, narrow leaves, creamy white with dark green border. **Velvet Mantle.**—Deep rose and chocolate, pale olive border, nicely blended. **Crimson Bedder.**—Deep purple and red. **Little Beauty.**—A very attractive dwarf variety. Leaves green with white center. **Flas for borders.**

All of the above varieties each 10c, dozen 85c. The entire set of 17 for \$1.00. Mixed varieties suitable for bedding, unnamed, 75c per dozen, \$4.25 per 100, postpaid.

I was highly pleased with seed received from you last spring and my neighbors were astonished when they saw the perfect stand I had. I tell them where I get the seed and will order from you again. Many thanks for the seeds sent free with my order.—J. T. Cook, Orwood, Miss.

**Hawkeye Giant.**—A new variety of surpassing beauty. It is a seedling of ours which has attracted much attention at the greenhouse and caused many exclamations of wonder. The leaves are of immense size and they are beautifully curled and serrated and the color is royally rich and brilliant. **Gonivier.**—Bronze veined pink, mottled light crimson. **Purple Prince.**—Purple veined crimson. **Louis Faldet.**—Rich deep crimson with red veins and green edge. **Mrs. F. Sander.**—Large creamy white center bordered with red, blotches crimson and purple. Fine for pots. **Black Bird.**—Leaves and stem almost a jet black. **Hope.**—Bronze crimson, with gold edge. **Sunset.**—Center of leaf brownish purple, shading to crimson, edge yellow.

We have used your seeds for several years and have always found them to be reliable.—W. L. Durnell, Harrison, Ark.

I sent to you for seeds last year and was so highly pleased that I will always send to you hereafter.—Henry Roberts, Milton, Iowa.



## DOUBLE GERANIUMS.

For constancy of bloom the geranium is unequalled. We have tested a multitude of varieties and have selected only those which we are sure will please our customers.

**BLUE BEAUTY.**—See novelties. Each 25c.

**GOLD GLOEY.**—See novelties. Each 15c.

**DOUBLE NEW LIFE.**—See novelties. Each 15c.

**REMARKABLE.**—As will be seen by our illustration, the habit of growth is dwarf and compact, making this variety one of the most desirable for pot culture. Has perfect trusses of miniature rosebud florets, which are wonderfully attractive and pleasing. Color brightest possible scarlet crimson. Each 10c.

**ALPINE BEAUTY.**—An exquisitely fine new double white. Each 15c.

**MARVEL.**—Rich crimson scarlet; large flowers and truss; free-flowering and one of the best bedding sorts. Each 10c.

**VERA VEND.**—A novelty hard to describe—principally noted for its odd color, the truss and florets are both of good size. Plant of finest habit, semi-double, very open with large petals, the borders of which are rosy orange; large center, striped with white and delicately marbled and striped with orange. One of the finest and most beautiful in the Aureole section and will be grown by all when known. Each 15c.

**RUYS BLAS.**—An extra fine double pink variety bearing large trusses of large flowers in profusion. Each 15c.

**ASA GRAY.**—One of the best; bright salmon pink. Each 10c.

**BRUNTYL.**—Fine double bedding geranium; light vermillion red; trusses exceptionally large and borne in immense balls often eight inches in diameter. Each 10c.

**MRS. E. G. HILL.**—A most distinct and pleasing shade of salmon with light shading at the center. Each 10c.

**GOLD DUST.**—The nearest yellow of any geranium grown. Plant is a sturdy vigorous grower and well filled with large clusters of rich orange scarlet double flowers. Everyone who grows plants should add this to their collection of geraniums. Each 15c.

**ORANGE PERFECTION.**—An extra choice variety of strong, healthy growth and very free flower'g. Trusses large and of orange scarlet color with violet blotch on two upper petals. Is quite a departure from this class of double geraniums and one which our customers will appreciate both for bedding and pot culture. Each 10c.

**SARGEANT.**—An elegant double pink variety with large truss and flowers. A good bloomer. Each 10c.

**LA FAVORITE.**—What S. A. Nutt is among dark crimson. La Favorite is among white, without doubt the best double white Geraniums ever offered. It is a strong grower, a profuse bloomer, always coming perfect in color and substance; the trusses are very large, flowers beautifully formed, of the purest white, retaining their color in the sun, not drawing to a pinkish color. Each 10c, doz. 85c. By express not prepaid 50 for 2.75, 100 for \$5.00.

**HARRIET THORP.**—A most beautiful flower of delicate blush color shaded with pearl pink. Each 10c.

**GLORY DE FRANCE.**—Large, round flowers of waxy appearance, color white, with carmine center, each petal delicately edged with carmine. An excellent pot variety, to which its habit is finely suited. It is one of the prettiest Geraniums we know. This is the most beautiful of the parti-colored Geraniums, which appear so bewitching to the eye. Each 10c.

**WHITE SWAN.**—A fine standard sort, noted for its great freedom of bloom. The growth is strong, dwarf, and compact, forming a well shaped mound of green, in which are set the snowy trusses; florets double, pure white. Each 10c.

## IVY LEAVED GERANIUMS.

**EDEN MARCH.**—Handsome of the Ivy leaved sorts. Has enormous sized flowers, resembling some of the finest double Zonale Geraniums in size and shape; color, beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. Is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

**CHARLES TURNER.**—Very double; color rich, deep pink.

**VARIEGATED IVY GERANIUM.**—This is quite a novelty and will attract attention anywhere. Leaves are handsomely variegated pure white and dark green. Each 20c.

**JEAN DE ARCH.**—Very large and finest white in existence. A beautiful flower of best form; a good bloomer and very satisfactory. Foliage is dense and glossy-green.

**P. CROZY.**—A hybrid between the Zonales and Ivies. Color soft, bright scarlet, with veinings of maroon.

**GLOBE DE LORRAINE.**—Splendid clusters of large, double flowers; beautiful rosy crimson.

**GARDEN'S GLORY.**—Fine, bright scarlet; large, bold full flowers; constant bloomer; one of the very best.

Any of the above 10 cents each, except as noted. Set of 7 Ivy leaved sorts for 60 cents.

IVY GERANIUM—EDEN MARCH. (One-half natural size.)



SINGLE GE

For profusion of bloom and size of truss many customers consider the sorts we have selected the fol

**AUREOLE.**—See novelties. Each 15c.

**CLAMLEON.**—See novelties. Each 25c.

**CHAMLE BERNARDIN.**—A novelty in geraniums. Color is very attractive; upper petals are half white, succeeded by pink; lower petals base white followed by soft rosy pink with soft scarlet edge; is a good bedder, as it stands the sun. Each 15c.

**COLUMBIAN.**—Flowers produced in the greatest profusion upon medium sized trusses; they are brilliant scarlet with large, strong trusses; a bed of this geranium will cause a sensation wherever grown; the habit of the plant is good, and it may be classed as one of the finest bloomers in cultivation. Each 10c.

**THE WONDER.**—One of the finest that has ever been offered. It came from France in a lot of fine sorts, and is supposed to be a sport from the scarlet Geranium Athlete, it being so intense in color, such a wonderful bloomer and strong grower, that it was styled the "Wonder." The flowers are the most intense, dazzling scarlet, and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference, with single flowers measuring 7 inches in circumference. Each 10c.

**MADONNA.**—Color a soft shade of pale pink; flowers large, arranged in handsome trusses well above the foliage. Each 10c.

**RENOMME L'YON.**  
**AISE.**—A grand, new sort. The flowers are a beautiful combination of bright scarlet, clear rose and white; center of flowers white, surrounded by a rose and broad scarlet border, giving it a very brilliant effect. Each 15c.

**ELECTRIC.**—Very large flower of most brilliant scarlet color with distinct white eye. A free bloomer. Each 10c.

**MAD POIREEE.**—A new favorite bearing beautiful flowers of rich violet carmine color. Immense sized flower and truss. A strikingly beautiful variety. Each 15c.

**EMPERESS EUGENE.**—Deep rich pink with base of upper petals white. Each 10c.

**MODJESKA.**—A nov.



**MARS.**—A superb bedding plant and a profuse bloomer, perfectly hiding the foliage. Color changing to white on the edge; **QUEEN OF THE WEST.**—A

**MAD. M. HERBERT.**—A far to dark pink at center with clear **BLACK PRINCE.**—Very dark black known in single Geranium

**HERRICK.**—Rich glowing Habit good, size startlingly la

blooming. We grow many of the choicest new sorts, in our mixture, some of the novelties which we secured directly from the originators this year being superbly grand. Each 25c. 5 for \$1.00.

**PANSY GERANIUMS.**—Flowers of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. Each 25c.

ANCY LEAVED GERANIUMS.

overlaid by beautiful, finely margined with a deep chocolate.

or ribbon lines or massing; center of leaf white; scarlet flowers with dark green foliage, light cream-white wavy bright scarlet. ten yellow edging, flower scarlet, white margin. A robust grower. An intense green disc; extra fine bedder. or black circle. b. Set of 10 fancy geraniums 85c.

GERANIUMS.

variety of the Rose geranium. Propagated by supply. Each 20c. e. Each 10c. g oak leaves; black center, with green dent leaf; this is the most popular of all; rose fragrance. Each 10c.

i. with delightful lemon fragrance to the end the odor is quite refreshing. Each 10c. cent leaved Geraniums, of delightful fragrance for mixing with cut flowers. Each 20c. raniams. The blooms resemble the Pelargonium; blooms constantly. Each 10c.



PANSY GERANIUM.



## DES MOINES, IOWA.

**FUCHSIAS**—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

**White Phenomenal**—The grandest double white variety in existence and one which should be in every home. Each 15c.

**Jupiter**—A new giant flowered variety from France. The flowers are of really mammoth size with very large rich violet purple double corolla. Tube and sepals bright crimson. Plant is a strong, hardy, free grower, which every one can succeed with and will attract attention everywhere. Each 15c.

**Phenomenal**—This is usually considered the largest Fuchsia in cultivation, being same size as the Jupiter but of much darker color. The flowers are of enormous size, a single flower measuring three inches across; sepals bright scarlet, with a rich purple corolla, very double.

slaked with red. It will attract universal attention in any collection, as it is one of the most beautiful sorts in existence. Each 10c.

**Monarch**—This new Fuchsia is by far the largest of all the single flowering varieties. It is an exceptionally strong grower, bearing immense bloom of a very dark purple. It ranks among the singles the same as Phenomenal does among the doubles. Each 15c.

**Black Prince**—Tube and sepals bright, waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form and we had at one time a plant seven feet high loaded with two thousand flowers at once. Each 10c.

**Storm King**—Large double flowers. The sepals are glowing scarlet crimson, corolla delicate waxy white, elegantly pencilled with deep, bright crimson. Each 10c.



**Trailing Queen**—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

**Speciosa**—Sepals bluish, corolla carmine. Best winter bloomer. Each 10c.

**Little Beauty**—Charming variety; begins to bloom when only 2 or 3 inches high, and continues to bloom the year round. Tube and sepals bright red, corolla deep purple. Each 10c.

**Little**—Very handsome flower with carmine corolla; tender rose sepals and cream colored tube. Each 10c.

**Rose of Castle**—The best single summer blooming Fuchsia. Bushy plant with violet corolla. Each 10c.

**VINCA MAJOR**—Beautiful trailing plant. Leaves glossy green, broadly margined with creamy white. The flowers are a handsome blue. Free bloomer. Each 10c.

**ARTILLERY PLANT**—A very neat and pretty plant, resembling some of the ferns in general appearance. Its graceful habit makes it very desirable for baskets and vases. Quite interesting and of easy culture. Two varieties. Each 10c.

**COBEO SCANDENS**—A well known summer climber. Foliage green; large, purple, bell-shaped flowers. Each 15c.

**MAURANDIA**—Graceful climber for window or conservatories, or for open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.

**ENGLISH IVY**—A showy vine. Each 10c.

**VARIEGATED ENGLISH IVY**—Foliage very prettily marked with pure white on a dark green ground. Handsome as a pot plant in the window or for trailing from edges of boxes or baskets. Each 15c.

**GERMAN IVY**—A popular vine for hanging baskets and window boxes. Each 10c.

## SOLANUM—Jasminoides Grandiflorum

This beautiful plant is of trailing or climbing habit, but if desired can be cut back to a bush form. It has star shaped flowers, borne in large clusters or panicles frequently a foot across. They are pure white with violet tinge on the back. It is equally a good bloomer in summer and winter, and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of magnificent panicles of bloom which remains perfect a long time before fading. Each 10c. doz. 75c.

**Forget-Me-Not**—It seems strange that it is not more often seen in our gardens. They are easily grown and will bloom freely and will continue to thrive and bloom year after year being perennial and perfectly hardy, with only a slight covering. Plants grow to 22 inches high and will thrive in most soils, though they prefer moist, sandy situations. Each 10c. doz. 75c.



SWANLEY WHITE VIOLET

**VIOLETS**—Of all delightful perfumes that of Violets is the most delicate and pleasant and places the modest little blue flowers among our greatest favorites. Violets grow and bloom freely if given a cool situation, but will not succeed in a warm place.

**Swanley White**—Unquestionably the finest double variety in existence, and a decided acquisition. The plants are of vigorous growth, producing a great many of the pure snowy white double flowers. It has such a delightful odor, that it has been called the "Queen of Fragrance." Each 10c. doz. \$1.00.

**Marie Louise**—To contrast with the white we offer this, the finest double blue violet grown. Color deep violet blue, very fragrant, continual bloomer. It is of extremely easy growth. It is not hardy in the north. Each 10c. doz. \$1.00.

**California**—Grand new single variety. A sturdy grower, dense, heavy foliage, entirely free from disease. Flowers intensely fragrant. Color a clear, violet purple that does not fade. Flowers as large as a silver dollar, and are borne on stems ten to twelve inches long. Each 10c. doz. \$1.00.

**CYCLAMEN**—One of the finest plants in cultivation for winter blooming. Great variety of colors. Each 25c.

**OLEANDER**—Popular tree-like plant. Each 25c.

**CACTUS**—We have many varieties of these curious plants. Prices 10 to 25 cents each, or a collection of 19 sorts for \$1.00, postpaid.



## CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. All these are excellent for pot culture. Price 10c each except where noted.

**Illumination**—A grand new variety of most robust, sturdy growth, and claimed to be the best white yet introduced. Plant is erect, branching so as to make a perfect shaped bush, covered with a great number of beautiful, snow white flowers which are full and deep. Each 15c.

**Louis Bohmer**—The splendid new pink *Ostrich Plume* Chrysanthemum. Grand flowers of globular form; petals broad and lustrous, and thickly covered with fine, downy hairs so much admired; color deep rich pink; solid and fine. Strong and vigorous plant. Each 15c.

**Marion Henderson**—The earliest golden yellow; center incurved, outer petals reflexed, flowers six inches in diameter.

**Fisher's Torch**—It heads the procession, the color is a bright red, passing to the richest velvety-crimson; the flame-like flower borne at the end of the long, stiff stem gives it the appearance of a torch brand, hence the name "Fisher's Torch."

**Mrs. Jeane Jones**—One of the grandest whites, with beautiful foliage; quite dwarf, with magnificent waxy white flowers; broad, incurved petals. Still one of the finest sorts. Sometimes slightly tinged with pink. Late bloomer.

**Gettysburg**—This variety excels in its color, as Golden Wedding does in yellow. Deep, rich crimson, which in the flower itself is soft and velvety. Outer petals are broad and drooping, have a lustrous sheen in the sunlight. Form is flat, drooping outer petals, which gives it a very graceful appearance.



ILLUMINATION CHRYSANTHEMUM.

**Mrs. Henry Robinson**—A perfect form of exceptional merit, large and well finished, medium early white, blooming with us October 6th. Fine substance and very strong.

**Golden Wedding**—Of a rich golden-yellow color, intense, dazzling flowers 10 to 12 in. in diameter; petals broad and long, double to center. Each 15c.

**Adela**—Japanese incurved; delicate pink. Strong grower, stiff stem, fine foliage. Blooms very early. A truly exhibition variety. Each 20c.

**Belle of Castlewood**—Clear shell pink. Broad incurved petals; very large, extra early. Feed sparingly. Makes a good show bloom. Each 15c.

**Oeo S. Kalb**—A very pretty white, dwarf, with nice, stiff stems. Fine for sprays. Early.

**Latent Fad**—A wonderful curiosity and peculiar freak of nature. A mammoth bloom with ribbon-like petals gracefully falling around the stem. Color rich yellow, mottled and striped with bronze and crimson. Fine for exhibition.

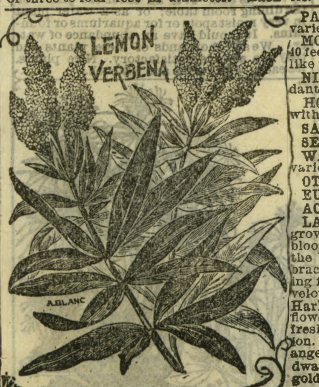
**V. H. Hallock**—Color a beautiful clear pink, slightly deeper at center.

**W. H. Lincoln**—Rich, golden yellow, of finest form and texture. If you want an extra fine specimen pot plant, this is the variety.

**Golden Gate**—Tawny yellow, quite distinct strikingly handsome spreading flowers slightly worried; regular form; stout stem, broad, long petals, fine exhibition bloom of great size.

Any of the above Chrysanthemums except where noted, 10c each, \$1.00 per dozen.

**LEMON VERBENA**—A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. As a plant for the garden or for pots it is equally valuable. Its fine sprays of foliage and delicious fragrance make it desirable for bouquets. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c.



LEMON VERBENA.



INDIA RUBBER TREE.

**PALME**—Fashionable decorative house and window plants; several varieties; mailing size 25c. each; large, \$1.00 to \$5.00, each, by express.

**MOONFLOWER**—A handsome climber growing to a height of 25 to 40 feet, and covered nightly and on each day with its white, moon-like flowers 5 to 6 inches in diameter. Each 15c.

**NIGHT-BLOOMING CEREUS**—This gorgeous cactus, bears abundant blossoms, measuring 12 inches across. Very fragrant. Each 25c.

**HOYA**—Carnosa (*Wax Plant*). The well known house climber, with thick, fleshy leaves and curious, waxy flowers. Each 25c.

**SAPONARIA**—"Bouncing Betsey." Hardy pink flowers. Each 10c.

**SEDUM**—A nice plant for rockwork. Six kinds. Each 10c.

**WANDERING JEW**—An old well known trailing plant. Several varieties. Each 10c, 4 for 25c.

**ORTONIA**—A pretty plant for basket culture. Each 10c.

**EUONYMUS**—A pretty shrubby plant; variegated foliage. 25c.

**ACHYRANTHES**—Pretty foliage plants. Each 10c, doz. 75c.

**LANTANA**—We consider this one of the most satisfactory plants grown. It is the flower for everybody both for outdoor bedding, and blooming all winter in the house. Has a flower somewhat resembling the Verbena, borne on a woody, bush shaped plant. Its flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development. Javel—Best, largest and freest blooming white variety. Barker's Perfection—A new variety, with beautiful fish and yellow flower, and golden variegated foliage. Michael Schmidt—Flowers fresh and sparkling, of a brilliant yellow, passing into purple vermillion. Francienne—Handsome rose lilac. Patriot—Elegant rich orange color, changing to maroon as flowers grow older. Bold Cup—A dwarf compact grower, with very pretty lemon yellow flowers having golden yellow center. Any of above each 10c; set of six varieties 50c.



LOUIS BOHMER CHRYSANTHEMUM.

**HELIOTROPE**—Snow Wreath—Suber large clusters of deliciously fragrant flowers of nearly pure white. Each 15c.

**Jersey Beauty**—Very large trusses of blue flowers. Each 10c.

**Mad. Blancy**—Immense truss of very light colored flowers. Each 10c.

**President Garfield**—The finest dark variety in cultivation. Blooms well. Each 10c.

**HYDRANGEA**—Thomas Hogg.—The immense trusses of flowers are first slightly tinged with green, becoming of the purest white. Each 15c.

**Hortensia**—Bears large trusses of beautiful, bright pink flowers. Each 10c.

**Otakaka**—Handsome, rosy carmine flowers. Each 15c.

**CYCAS REVOLUTA**—*Sago Palm*.—Magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown; their heavy, glossy, deep green fronds resist alike the heat, dust and cold. Strong young plants 80c each postpaid. Large specimen plants \$1.00 to \$15.00 each by express at purchaser's expense.

**PRIMULA OBSCURICA**—A lovely perpetual blooming primrose. The flowers are of a delicate rose lilac, shading to white. Each 10c.

**PASTOR FLOWER**—An attractive vine bearing beautiful flowers. Can furnish either the white or blue at 15c each.

**INDIA RUBBER TREE**—Ficus. During the past few years there has sprung up an immense demand for Rubber plants and they are highly valued everywhere for their tropical appearance. Leaves are large, very thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will always remain high in price. Each 50c. Larger size \$1.00 and \$1.50 each.

**LOBELIA**—Pretty and well known. Each 10c.



LANTANA.



## AQUATIC PLANTS.

The constantly increasing demand proves the coming popularity of Aquatics. Their requirements are very simple, only sunshine, shallow water and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. In winter most of the varieties should be taken in to keep from injury by frost. Nothing will give more pleasure than a pond or fountain basin fixed up in your lawn to hold aquatic plants and gold fish. Most of the varieties that we offer are also adapted for growing in aquariums in the house.



WATER HYACINTH.

**WATER HYACINTH.**—One of the most remarkable, curious and beautiful plants we have ever grown. It floats in water forming a lovely rosette of its curious, shining green leaves, and throws up spikes of the most exquisite flowers. Color a beautiful, soft lilac rose, sparkling as if covered with diamond dust. The upper petal has a large metallic blue blotch, and in the center of that a small, deep, golden yellow spot. Each 15c.

**PARROT'S FEATHER.**—An aquatic hanging plant is a novelty indeed, and we have it to perfection in this dainty little jewel. Its long, trailing stems are clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, but more delicate. Planted in water-tight hanging basket, will trail nicely. Each 15c.

**SAGITARIA.**—A grass-like plant quite desirable for growing in aquariums. When well established it is a very satisfactory plant. Each 25c.

**TRAPA NATANS.**—The Chinese Horn Nut described with novelties. Grows nicely in aquariums. Per package of 4 nuts 15 cents.

**CYPERUS PAPYRUS.**—The true Egyptian Paper Plant. This very pretty rush-like plant grows well in shallow ponds. Each 25c.



CABOMBA, OR AQUARIA MOSS.

**WHITE POND LILY.**—(*Nymphaea Odorata*.) The praises of our fragrant, water lily can never be too highly sung. Its lovely pure white flowers are worthy of a place beside the most costly exotics and its beautiful flowers attain a size of five to six inches across. A tub or half barrel may be utilized to grow it in if you do not have a pond or pool of water. Plant the roots in muck or loam, covering the latter with about two inches of sand or fine gravel to hold them in position. The roots should be barely covered. Give plenty of sunshine. Strong roots 35c each, \$3.00 per dozen.

**PINK POND LILY.**—(*Nymphaea Rosea*.) The famous pink water lily of Cape Cod, and is a grand acquisition. It possesses all the desirable qualities of the white-flowered species, hardness, freedom of bloom and delicious fragrance, with the added charm of deep pink color. The flowers average a larger size than the white. Large roots, \$1.00 each.

**YELLOW POND LILY.**—(*Nymphaea Flava*.) A charming variety which has proved hardy in central Iowa. Flowers of bright golden yellow color and delicious fragrance. Each 50c.

**EGYPTIAN LOTUS.**—(*Nelumbium Spectabile*.) A noble aquatic known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance and flowers sometimes a foot in diameter. Color, white shading to pink. Easily grown either in tub or pond and have lived through the winter even where ice 3 to 8 in. thick formed on the pond. Each \$1.00.

**AQUATIC COLLECTION** One plant each of above four for \$2.50, prepaid.



PARROT'S FEATHER.

**CABOMBA OR AQUARIA MOSS.**—This is the prettiest plant in existence for growing in aquariums and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Parrot. The leaves are beautiful and regularly cut and resemble a delicate lacern. It has flowers measuring half an inch in diameter, which are white, with yellow spots at the base. It rarely blooms in the aquarium, but grows all the year round. It looks much better during the fall and winter than during the spring months. It may be broken at any length and roots readily. Should be weighed down so that the base of stems are in the sand. Per bunch of 10 stems 25c postpaid.

**CHINESE SACRED LILY.**—While possibly this should not be called an Aquatic plant still in this country they are usually grown in a bowl of water in the house and they grow and bloom just as well without any soil. It is a wonderfully beautiful and attractive white flower with yellow, tinted cup; a truss from three to seven, borne on a stem—sometimes single and double on the same stalk. The bulbs are very large, with from three to six sized offsets, and nearly every offset bears a flower stalk. We can furnish them until the last of March, when the supply is usually exhausted and we do not have more until fall. Each 15c.

The plants were received in good order and are all living and doing nicely.—Mrs. M. E. Emerson, Admire, Kansas.

The roses I received from you last year grew and bloomed finely.—Mrs. Kate Evans, Chikouss, Mo.



LUDWIGIA.

**LUDWIGIA.**—A pretty plant, with smooth, green leaves, variegated at certain seasons with yellow and red. It grows nicely in the aquarium and propagates rapidly if set in sand. It is considered one of the best oxygenators of all aquaria plants, and is, therefore, of special value in purifying the water for the fish. Each 15c, 4 for 50c.

**LEMNA.**—This is sometimes called Duckweed, and is often found floating. It has small, oval leaves, with rootlets hanging down into the water, and the plants are produced very rapidly by off-shoots. It is an ornamental plant and shades the water. The fish seem to be fond of it because of the great amount of animal life which finds lodging in its roots and leaves. Each 15c.

**UMBRELLA PALM.**—(*Cyperus*) An ornamental and very striking plant as shown by the cut. It throws up slender, round stems from two to three feet high, surmounted at the top by a whorl of flat, ribbon-like leaves diverging horizontally, giving the plant a very curious appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all, it is as easily grown as the commonest weed, as it will thrive in shade as well as sun. It is an excellent plant for the dining room table, or as a water plant in very moist spots or for aquariums or fountains. It should have an abundance of water. We sell thousands of these plants and they are always satisfactory. Nice plants, 15c each. Larger 50c and 75c each.



CYPERUS, OR UMBRELLA PALM.



## ROSES.

The flower of flowers. Everyone should have them in profusion. Our stock is unequalled, as we grow plants only and do not force stock for the cut flower trade.

**CHAMPION OF THE WORLD.**—The champion bloomer, commencing to bloom as soon as potted from the propagating bench, and continuing in the greatest profusion all the time. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea rose. Blossoms are perfectly double to the center, of good shape, color a degree of loveliness which few roses can equal, rich, deep rosy pink. Each 15c.

**BRIDE.**—An exquisite bright clear pink, a lovely shade; flowers very large and perfectly double. The buds are large and solid with long, stiff stems and handsome glossy foliage. A strong, healthy grower, free from disease. It is also an excellent bedding variety for outside flowering in summer. Each 15c.

**KAISERIN AUGUSTA VICTORIA.**—The finest white rose in existence for summer blooming. It is a true Tea Rose, soft, pearly white, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. It is a continuous bloomer, its buds being of elegant perfect shape, full open flowers as unsurpassed and shows no center. Each 15c.

KAISERIN AUGUSTA VICTORIA.

### CHAMPION OF THE WORLD.

**RAINBOW.**—An elegant striped Tea rose; strong healthy growth and exceedingly free flowering habit. The buds are large on strong stiff stems. Color is a lovely shade of pink, striped and mottled in a most unique manner with intense crimson, and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet and of great depth and substance. A most charming variety. Each 15c.

**HERMOSA.**—An excellent rose, blooms in fine clusters; large, very double and fragrant; color beautiful clear rose; a constant bloomer; hardy; one of the best. Each 10c.

**CLIMBING METEOR.**—This new rose might almost be called a "Perpetual Blooming Climbing Jacqueminot." Buds exquisite; flowers large, beautifully shaped, and of that rich, dark, velvety crimson seen only in the Jacqueminot. Each 25c.

**PEELE DES JARDINS.**—Fine straw-yellow; very large and perfect. Blooms freely and we consider it one of the most satisfactory varieties. Each 10c.

**CAROLINE TESTOUT.**—A grand rose of the LaFrance type and of bright satiny pink with rosy center. Each 10c.

**MARECHAL NEIL.**—Very bright, rich golden yellow; very large, full and perfect form; of vigorous climbing growth and a free bloomer. Unquestionably the finest of all Tea roses. We have seen greenhouses devoted to a single plant of this variety, from which it was not unusual to cut five hundred to two thousand flowers per day. Each 15c.

### RAINBOW.

**VERDI FLORA.**—The wonderful green rose which cannot fail to attract attention and cause surprise wherever seen. It is a perfect flower with deep green petals and a free bloomer. A curiosity. Each 5c.

## POLYANTHA, or FAIRY ROSES.

Small roses which are marvels of grace and beauty; bloom in clusters of 25 to 50 on a single stem.

**MOSELLA.**—A choice novelty. Flowers very double, ball shaped and open like a Camellia flower. The petals are tinted white, on beautiful light yellow ground extending to the middle of the petal. Each 15c.

**PRINCESS BONNIE.**—Another charming novelty; flowers large and perfectly formed; a rich, solid crimson. Each 15c.

**LITTLE WHITE PET.**—Very handsome pure white; perfect shaded. Hardy. Each 10c.

**CLOTHLEIGH SOUPERT.**—This hybrid polyantha Tea rose has become one of the most popular. Flowers full double, pure white shading to a center of rosy pink. Blooms constantly. Each 10c.

MOSELLA FAIRY ROSE.

METEOR.



# BEAUTIFUL HARDY ROSES.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. Nothing is more beautiful than a nice hedge of these roses. In the newer varieties the season of bloom is extended throughout the summer although the grandest show of flowers is still made in the spring and autumn. The cheap roses below named are growing plants, from pots, while the larger sizes are *strong, hardy out-door grown plants* which have been kept dormant. These can be planted outside early in spring, before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. We can supply these from the time this catalogue is issued up to May 1st. The following varieties have proved to be the most satisfactory and we have discarded many varieties largely advertised by others, believing that it is to our customers' interests to plant only the best. REMEMBER WE PREPARE THE POSTAGE or express charges on all these plants at price named.

**GLORIE DE MARGOTTIN.**—This grand new Hybrid Perpetual Rose is believed to be one of the very finest varieties of recent years. Flowers very large and of symmetrical form, somewhat globular, very full and deliciously scented. The color is a clear dazzling red. Certainly one of the most brilliant Roses ever seen. It is a free bloomer and vigorous grower, and is recommended for great beauty and wonderful color. Each 15c. Dormant 35c.

**AMERICAN BEAUTY.**—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large full flowers, exceedingly sweet, makes magnificent buds, very hardy and a constant bloomer. Each 15c. Dormant 35c.

**GENERAL JACQUEMINOT.**—One of the grandest roses in existence. Sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Color a rich dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large; free bloomer. Each 15c. Dormant 30c.

**LA FRANCE.**—Peach-blossom pink, the model garden Rose; blooms all summer. Undoubtedly the most perfect type of a cut-flower rose. No variety surpasses it in delicate coloring—silvery roses, shaded pink with sandy sheen. Each 15c. Dormant 30c.

**BARON DE BONSTETTER. (The Black Rose).**—Has splendid large flowers, very double and full. The color of this rose is a rich dark red, passing to a deep velvety maroon, nearly black. It is highly scented and very beautiful. Each 15c. Dormant 35c.

**MADAME PLANTIER.**—As a cemetery rose it is still without a rival. Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Blooms in June. Each 15c. Dormant 30c.

**PERIAN YELLOW.**—Perfectly hardy; flowers double and full, deep golden yellow in color. Blooms very freely in June. The finest hardy yellow rose grown. Dormant 30c.

**ENGLISH SWEET BRIAR.**—Very desirable for shrubberies and general planting. Flowers are bright pink and single, but the exquisite fragrance of this rose either for garden or forcing. It is in spring frequently perfume a whole neighborhood. Dormant 30c. Small 15c.

**CRIMSON RAMBLER.**—This beautiful rose is truly a most desirable climbing variety. When the shoots are fastened down, or it is grown in a bush form, marvelous heads of bloom are the result. As a pot plant it is unequalled for decorative purposes. It is exceedingly hardy. The flowers with which the plant is covered in the spring are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c. Strong dormant plants 30c.

**YELLOW RAMBLER.**—Grand new variety like above except that it is golden yellow and is one of the most satisfactory sorts. Each 15c. Dormant 30c.



GENERAL JACQUEMINOT ROSE

**MRS. JOHN LAING.**—A constant bloomer from spring until after hard frost, and its flowers are simply faultless in shape and outline, while the color is the most exquisite shade of silvery pink. Each 15c. Dormant 30c.

**PAUL NEYRON.**—Immense double flowers, of shining carmine-pink. Largest rose known, perfectly grand. Each 15c. Dormant 30c.

**DINSMORE.**—We cannot praise this enough. Always in bloom, with large, finely imbricated flowers of a rich, bright crimson. Rather bushy and compact growth. Each 15c. Dormant 30c.

**VERNON BRUNNER.**—A splendid Rose either for garden or forcing. It is of a rich, glowing crimson scarlet color; produces flowers of exquisite shape. Each 15c. Dormant 35c.

**GENERAL WASHINGTON.**—Brilliant crimson, very rich and beautiful; large, perfectly double and free bloomer. Each 15c. Dormant 35c.

**DUCHESS OF ALBANY.**—The flowers are deep pink, very large and full, highly perfumed and in all respects of first quality. The plant is of strong, healthy growth and blooms abundantly. Each 15c. Dormant 30c.

**MAGNA CHARTA.**—Dark pink; very pretty. Each 15c. Dormant 30c.

**COQUETTE DES ALPES.**—White; a fine variety. Each 15c. Dormant 30c.



MARY WASHINGTON ROSE



**MANDA'S TRIUMPH.**—A beautiful double white climbing rose. It is a very rapid, sturdy grower, and bears a profusion of double, pure white, beautifully imbricated flowers. Elegant for cemetery. Each 15c. Dormant 35c.

**MARY WASHINGTON.**—A hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight, and named after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c. Dormant 30c.

**WHITE MEMORIAL ROSE.**—(Wichitana.)—The finest rose for cemetery planting. Has dark green leaves, and creeps on the ground like an ivy rapidly branching and quickly covers any surface. The flowers are single, pure white with golden yellow stamens; perfectly hardy. Each 10c. Dormant 25c.

**MOSS ROSES.**—The acknowledged queen of all roses. The moss-covered stems and buds show the delicate loveliness of the blossom to great advantage. Hardy. We can furnish either crimson, pink or white in strong dormant plants, at 30c each.

**PAIRIE QUEEN.**—Hardy climber; carmine pink.  
**BALTIMORE BELLE.**—Rose color; double flowers in clusters; climbing.  
**GREVILLE or SEVEN SISTERS.**—Clustering flowers, varying from white to crimson; Hardy climber. Any of these, dormant 30c each.



MOSS ROSE



# HARDY SHRUBS.

If you have a home of your own better add permanent improvements by setting out an assortment of Hardy Shrubs. It costs but little to begin with and you will in a few years have a place to be proud of. There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as on assortment of Hardy shrubs. Our price is for strong, healthy plants sent by mail or express prepaid.

**LILY OF VALLEY SHRUB.**—(*Andromeda*). One of the most beautiful flowering shrubs and one which is very highly prized and sought after in Europe where they consider it one of the finest of all American plants. Because of its being somewhat difficult to propagate it has never been properly introduced to the American trade, but when once known it will soon become popular, as it is one of the most desirable shrubs grown. It is of dwarf, compact growth (2 to 3 feet high), the foliage is a rich dark green similar to Privet and in June it is loaded with a great profusion of spikes of bloom three to eight inches in length. The flowers are pure waxy white, drooping like little bells and bear a great resemblance to Lily of the Valley. Plants are conspicuous throughout the season on account of their fine form and foliage. It is almost an evergreen, but should be protected with straw during coldest winter weather. Each 40c.

**ALTHEA.**—(*Rose of Sharon*). Strong, erect-growing shrubs of the easiest culture bearing a profusion of large, showy flowers in the fall when but few other shrubs are in bloom. We can furnish either the Double White, Double Red or Double Variegated @ 25c each.

**CALYCANTHUS.**—A beautiful sweet-scented shrub; flowers purple, quite double, exquisitely fragrant and borne in profusion during the entire season. Each 15c, large size 25c.

**FLOWERING ALMOND.**—One of the earliest flowering and finest shrubs. Loaded with double pink and white flowers which attract a great deal of attention, and no one can help admiring them. Either color 25c each.

**ELAEAGNUS LONGIFOLIA.**—A very desirable, nearly evergreen shrub; the branches are thickly studded with tiny brown dots or scales; giving a rusty appearance, contrasting strikingly with the light hue of the foliage, which is silvered on the under surface with little white scales. The abundant crop of orange-colored fruit, dotted with small ferruginous specks, is a very attractive feature during the summer. Each 30c.

**LILAC.** Purple.—A well-known, strong-growing shrub, bearing large, fragrant clusters of flowers early in spring. Each 20c.

**LILAC.** White.—Like above, but has white flowers, making it more desired by some. Each 25c.

**SNOWBALL.**—A well known and popular shrub, which grows to large size, covered with dense spherical clusters of white flowers, which gives it its name. Each 25c. Large size 40c.

**JAPANESE SNOWBALL.**—A valuable improvement on the above, the flowers being smaller and more numerous, there frequently being as many as twenty balls on a stem 18 inches long. The balls all face upwards and thus better show their beauty. Each 35c.

**HYDRANGEA PANICULATA GRANDIFLORA.**—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Unsurpassed for the lawn, as a hedge or for cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and needs no protection in winter; blooms from the first and every season in July and August and continues in bloom for two or three months, the flowers are massive, cone-shaped, often measuring 10 inches in length, and have a pleasing variation of color, changing from the original pure white to pink and finally a beautiful, rich coppery red. Each 15c, doz. \$1.25. Large dormant plants each 35c, doz. \$2.50.

**WEIGELA.** Superb, large trumpet-shaped flowers in June and July, of all shades from white to dark red. Each 25c.



HYDRANGEA PANICULATA GRANDIFLORA.

**SAMBUCUS AUREA.**—The beautiful golden leaved Elder which is so showy on lawns. Each 25c.

**PURPLE FRINGE.** (*Smoke Tree*).—Have very curious blooms which when covered with dew greatly resemble a cloud of smoke or mist. Each 25c. Large plants 40c.

**DEUTZIA, BRIDE OF ROCHESTER.**—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth with nice luxuriant foliage and bearing an abundance of beautiful racemes of double, pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these choice shrubs in their yard, and we have made the prices so low that all can purchase. Strong plants. Each 25c.

**DWARF POMEGRANATE.**—A beautiful shrub bearing large double bright scarlet flowers. Very popular in the south, but must be kept in the cellar over winter in the northern states. Each 30c.

**XANTHOCERAS.**—A pretty shrub producing long racemes of beautiful, pure white flowers with copper-colored streaks at the base of petals. When the plant blooms in May, the flowers are so numerous as to almost conceal the foliage. We consider this one of the finest of all shrubs. It begins blooming when only a few inches high, but grows to a height of 8 to 10 feet. Foliage handsome light green resembling the Mountain Ash. This fine shrub will add beauty to the most magnificent home. Each 25c.

**TAMARIX.**—This is one of the finest additions to our list of hardy shrubs. The foliage is light, feathery, graceful; sage blue in color; very ornamental. Blooms through summer and autumn. Many persons call this the most elegant of all shrubs as well as the easiest grown. It seems to thrive in any soil or location, but appreciates good treatment. Is considered invaluable for planting by the seashore as it will grow in poor, sandy soil and in the most bleak, exposed places. Does equally well in city yards where it is exposed to smoke and dust and is always a thing of beauty. Each 15c and 25c.



LILY OF VALLEY SHRUB.

**SWEET PEA SHRUB.**—The shrub of shrubs for bouquet makers. What it is in bloom, it is really but a big bouquet itself, so full is it of dainty sprays of large, lovely rose-pink blooms which are of the size and shape of the most lovely sweet peas. Each 15c.

**FORSYTHIA.** (*Golden Bell*). A fine, hardy shrub of weeping or pendulous habit; glossy, deep green leaves and bright yellow flowers. Blooms early in spring. Each 15c. Large size 25c.

**SPIRAEA—Van Houttei.**—The hardiest of all the Spiraeas. The bushes form fine, compact clumps. The pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a snow bank of white bloom. Each 25c. Large size 40c.

**SPIRAEA—Prunifolia.**—*Bridal Wreath.*—Very beautiful; erect habit of growth; flowers pure white, borne in great profusion. Each 20c.

**SPIRAEA—Anthony Waterer.** A new and remarkably valuable and distinct variety. It outshines all other spiraeas in brilliancy of color, being of a bright crimson; it is of dwarfier and denser growth, never exceeding 15 inches in height and a profuse and persistent bloomer the entire summer and fall. Each 25c. Large size 40c.

**SYRINGIA.** (*Mock Orange*).—A handsome foliaged shrub bearing immense masses of pure white, intensely fragrant flowers in June. Each 25c. Large size 40c.

## PERMANENT IMPROVEMENT COLLECTION

CONSISTS OF

- 1 Choice Hardy Shrubs,
- 2 Ornamental Trees,
- 2 Elegant Hardy Roses.

Our selection of varieties, but all different, and all very desirable.

FOR \$1.00.



BRIDE OF ROCHESTER DEUTZIA.



## HARDY VINES.

In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis ornamental shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepare the charges.

**CLEMATIS JACKMANII.**—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined. It is a prince among all hardy flowering vines. We presume every one of our customers who sees it bloom each summer promises to plant it in his own yard or garden at the next opportunity. It is especially adapted to open lawns or house fronts in the city or country. Perfectly hardy; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Small plants 25c each, strong field grown 50c each. Extra large three year old roots \$1.00 each.

**CLEMATIS HENRYII.**—This is the finest of all white Clematis, and should find a place in every collection. It is not only a vigorous grower, but is a remarkably free and continuous bloomer, beginning with the earliest and holding on with the latest. Flowers large, about the size Jackmanii, beautiful creamy white. Strong large roots. Each 75c; smaller 35c.

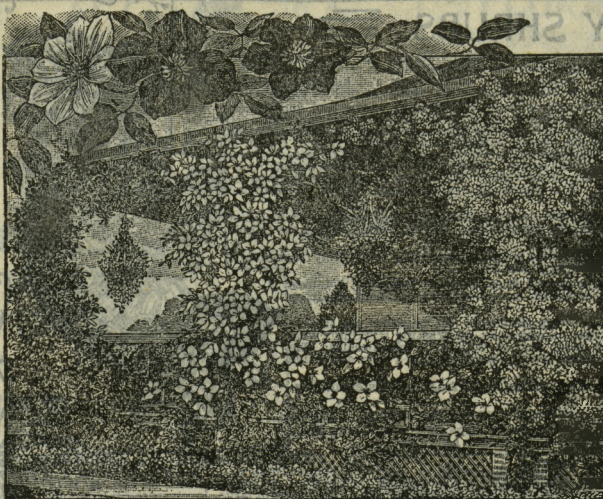
**VIRGIN BOWER.**—A very handsome variety of white Clematis, growing to a height of 10 feet and making a nice shade for porches, arbors, etc. The first season the plant grows to 12 feet and it is covered with thousands of pure white flowers, which are extremely fragrant, and it blooms from July to September.

The vine is perfectly hardy, rapid growing and graceful, and will succeed everywhere. Each 15c.

**CLEMATIS PANICULATA.**—One of the finest climbers of rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets and of a most delicious and penetrating fragrance. The flowers appear in September, at a season when few other vines are in bloom. The extreme rapidity of growth, the showy foliage, beautiful and fragrant flowers and hardiness, serve to make this one of the very choicest of recent introductions. Strong plants 35c each.

**CLEMATIS COCCINEA.**—Bears handsome bell-shaped flowers of a bright coral red color; blooms with wonderful profusion from June until frost. Each 35c.

**COLLECTION.**—A fine kind of Clematis for only 88 Cents postpaid. A great bargain. Regular price \$1.45.



CLEMATIS JACKMANII.

CLEMATIS HENRYII.

CLEMATIS PANICULATA.

**APIOS TUBEROSA.**—A valuable hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich deep purple flowers, which have a strong, delicious violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs near together to produce a mass of vines and flowers. Each 5c; doz. 45c.

**AKEBIA QUINATA.**—One of the best climbers, bearing numberless bunches of violet brown flowers, which have a pleasant cinnamon odor. It begins to bloom early in the spring, and continues several weeks. In good soil and location it will grow 30 to 40 feet high. 25c each, \$2.50 per doz.

**AMPELOPSIS VEITCHII.** (Boston Creeper).—This is one of the finest climbers we know of for covering walls, as it clings firmly to the smoothest surface. The leaves, which at first are of an olive green color, change to bright scarlet in the autumn. This variety becomes more popular every season, and is without question one of the very best climbing plants for covering brick, stone or wooden walls that can be grown. Each 15c. Large plants 25c.

**BIGNONIA RADICANS.** (Trumpet Creeper).—A another good, old fashioned hardy climber. It has clusters of large, trumpet-shaped, crimson-orange flowers. Grows in almost any soil and under trying conditions; hardy. Each 10c. Large plants 25c.

**CINNAMON VINE.**—Perfectly hardy, a rapid grower, has beautiful heart-shaped, bright green leaves, and clusters of white flowers. Large tubers. Each 10c; doz. 75c.

**CALYSTEGIA.**—An excellent rapid growing hardy vine coming up from the roots each year. Bears a profusion of beautiful double pink flowers. Each 15c; doz. \$1.50.

**CHINESE MATRIMONY VINE.**—A vigorous, hardy plant, which sends out numerous side branches, so that it covers a great amount of space. Bright purple flowers succeeded by scarlet berries. Each 15c; doz. \$1.25.

**BLUE CHINESE WISTARIA.**—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom is magnificent. Each 20c.

**WHITE WISTARIA.**—Like above but has pure white flowers and is a lovely climber. Each 25c.

**WOODBINE.** (Virginia Creeper).—A strong, rapid grower; foliage large dark green; in autumn bright and bright crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 15c; doz. \$1.25.

**RED CORAL HONEYSUCKLE.** (Scarlet Trumpet).—There is nothing prettier than this; the foliage is pretty, neat and clean; the bright red, trumpet-shaped, fragrant flowers nearly continuous. Each 25c.

**HALL'S JAPAN HONEYSUCKLE.**—A constant bloomer; flowers pure white changing to yellow, fragrant; for trellis or pillar. Each 35c.

**HARDY BLUE SOLANUM.**—A beautiful perennial vine of rapid growth. The handsomely cut foliage makes a beautiful shade for porch or arbor and is also desirable to train along fences, etc. It is covered during the summer months with hundreds of clusters of blue flowers, brightly set off with golden stamens, clusters measuring 15 inches in circumference, and often attaining a length of 12 inches. It is a superior plant of ironclad hardness. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, beautiful flowers and berries and hardiness, it is difficult to find a more satisfactory climber. Strong one-year-old plants of above 50c each. Doz. \$2.00.



APIOS TUBEROSA.



# SMALL FRUIT PLANTS.

Nothing is more healthful than fruit, and nothing more easily grown. Most of our customers can spare room for a small bed of strawberries, a few rows of raspberries, blackberries, currants or grapes, and what is more delicious than a dish of fruit from your own garden? Following prices are all for first-class stock, rate. Orders for nursery stock must amount to at least 50c. Ask for special prices on large orders sending list of wants.

## RASPBERRIES.

**CONRATH.**—A blackcap of recent introduction. It is about two weeks earlier than the Gregg, harder and less subject to disease. More productive and larger fruit. Quality excellent. We believe it is the coming Blackcap for the north and west. Each 15c, doz. \$1.00, prepaid. By express \$2.25 per 100.

**LOUDEN.**—The Loudon Red Raspberry is perhaps the best red raspberry ever introduced. It is claimed its productiveness is beyond that of any other red raspberry, also that it is a splendid shipper, and of superior quality. Color a bright rich crimson, canes thornless. The Rural New Yorker says: "The Loudon is the coming market berry." Each 3c, doz. \$3.00.

**REDFIELD.**—A fine red variety introduced by us in 1898, and is now becoming one of the standard red sorts. Canes very vigorous and productive. Propagates from the tips. It holds together better than the Shaffer, and is of superior quality. Each 2c, doz. \$1.25, prepaid; by express \$3.50 per 100.

**OTHER VARIETIES.**—Gregg, Kansas, Ohio, Cuthbert and Shaffer's Colossal. Each 15c, doz. 50c prepaid, by express \$2.00 per 100. Ask for prices in large quantities if desired.

## BLACKBERRIES.

**RATHBUN.**—A new blackberry of recent introduction. Has been tested over a wide area, and is said to surpass any blackberry yet introduced. Berries very large, of superior quality and an intense jet black. Propagated from tips like raspberries. Don't fail to try this variety. Each 2c, doz. \$1.25 prepaid.

**ERIE.**—Very productive, fruit large and of fine quality. Each 15c, doz. \$1.00, prepaid; by express \$3.00 per 100.

**SNYDER and STONES HARDY.**—Each 15c, Doz. 75c, prepaid. By express, \$2.25 per 100.

## GOOSEBERRIES.

**PEARL.**—The most prolific gooseberry known very hardy, entirely free from mildew. Superior in size and productiveness to Downing. One of the best of recent introduction. Each 30c, doz. \$3.00, prepaid.

**INDUSTRY.**—The best English sort yet introduced in this country. Each 25c, doz. \$2.25 prepaid.

**DOWNING and HOUGHTON.**—Each 20c, doz. \$1.25 prepaid.

## STRAWBERRIES.

Those marked with (p) have imperfect flowers and must have a perfect flowering variety near to fertilize them.

**CLYDE.**—(s) A strong grower, very productive of large berries of excellent quality. It is regarded by many as the very best for home use or for market. Per dozen 50c, 100 \$1.50, prepaid. By express per 100 \$1.00, 1,000 \$3.00.

**SEAFORD.**—(p) A grand new variety of extraordinary merit, begins ripening early and continues late. Fruit large, firm and of excellent quality. Dozen 50c, 100 \$1.50, by mail. By express, not prepaid, \$1.00 per 100, 1,000 \$3.50.

**BISMARCK.**—(s) Late, large, resembles Burbank, but is better shape, color and quality and has the advantage of a perfect flower. Dozen 50c, 100 \$1.75, by mail; express 100 \$1.25, 1,000 \$3.00.

**PARKER EARLE.**—(s) An excellent variety for family use. Does best cultivated in hills. Requires rich soil and makes but few runners. Fruit is of superior quality and plants healthy and productive. Doz. 50c, 100 \$1.00, prepaid. By express 100 \$1.00, 1,000 \$7.50.

**OTHER VARIETIES.**—Bubach (p), Warfield (p), Crescent (p), Lovett (s) Bederwood (s) Wilson (s) Gardner (s). Per doz. 30c, per 100 \$1.00, prepaid; by express 75c per 100, \$3.75 per 1,000.

If you desire to make a purchase of several thousand plants, you should write us for special prices. We can furnish standard varieties at very reasonable prices and give you first-class stock.

SEAFORD.



CONRATH RASPBERRY.

## GRAPES.

**CAMPBELL'S EARLY.**—This is considered by far the best early black grape in existence. It is very early and productive. Clusters large and usually shouldered. Berry very large, often over an inch in diameter, flavor rich and sweet. Hangs on vines well. Each vine bears the seed of the introducer. 2-year No. 1 each 50c; \$1.50 per doz. prepaid.

**MOORE'S EARLY.**—Splendid early variety, two weeks earlier than Concord. It ripens its entire crop in a short time and commands a high price. Each 50c, doz. \$1.75 prepaid; by express \$5.00 per 100.

**NIAGARA.**—Best white grape; Each 25c, doz. \$1.75; prepaid; by express \$5.00 per 100.

**OTHER VARIETIES.**—Concord, the old standard. Worden, improved Concord, earlier and larger. Agawam and Brighton, best red varieties. Golden Pocklington, golden yellow. 20c each, \$1.50 per dozen, prepaid; by express \$4.00 per 100.

## CURRENTS.

**POMONA.**—The most productive and vigorous red current ever introduced, ripens early but remains on the bush later than any other sort. Of remarkably fine quality. Each 20c, doz. \$1.75 prepaid.

**FAY'S PROLIFIC.**—One of the most prolific and of excellent quality. Each 15c, doz. \$1.25 prepaid.

**WHITE GRAPE, RED DUTCH and VICTORIA.** Each 15c, doz. \$1.00 prepaid.

## TREES.

The following are too large to mail. We deliver, carefully packed, on cars, but purchaser pays freight or express charges.

**APPLES.**—Ingram and Akins Red are the two best newer sorts of winter apples.

**Ingram.**—Is from the seed of Hawley Janette, is larger, tree very productive and valuable for a long keeper. Each 35c, doz. \$3.00.

**Akin's Red.**—Tree hardy, thrifty and a great bearer. Medium to large, flesh crisp, tender and juicy. One of the finest winter apples to large, fresh crisp, tender and juicy. Sold at a high price last year. Don't fail to get a Tatge. We offer them at 75c, each doz. \$7.00.

**Other Standard Varieties.**—Grimes Golden, Gano, Iowa Blush, Duchess, Red June, Ben Davis, Benoni, Jonathan, Minnesota Pippin, Roman Stem, Wolf River, Wealthy, Walbridge, Winesap, other standard sorts to 10c. Each 25c, doz. \$2.25.

**CHERRIES.**—Early Richmond, Montmorency, Wragg, Deyhouse and others. Each 45c, doz. \$4.50.

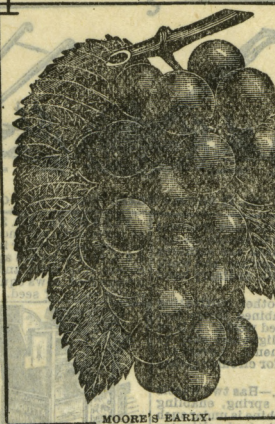
**PLUMS.**—Tatge.—A new plum of the Domestic type of the Lombard family. Fruit large and of superior quality. Immensely productive. Sold at a high price last year. Don't fail to get a Tatge. We offer them at 75c, each doz. \$7.00.

**American, Wolfe, Hawkeye, Wyant, deSoto, Stoddard.** Each 45c, doz. \$4.00. European or Japanese, Burbank, Abundance, Lombard and German Prune. Each 50c, doz. \$5.00.

**PEACHES.**—Grosby, Champion, Bokara and Elberta. Each 30c, doz. \$2.75.

If you desire to purchase anything in the line of trees, send list of needs and we will quote you our best prices.

TATGE PLUM.



MOORE'S EARLY.



RATHBUN BLACKBERRY.





# Tools and Implements.

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a 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. Notice reduced prices. If you desire it, we will send illustrated and descriptive circular of Planet Jr., and Matthews' tools.

**MATTHEWS' UNIVERSAL MODEL COMBINED DRILL.**—We are convinced that this new tool is one of the best. For many years we used the Matthews' Seed Drill on our own farm, and this is improved in many ways. It sows perfectly all kinds of seed as any depth with mechanical precision, covering and rolling it down in the most approved manner; has a very complete set of cultivating attachments consisting of plows, hoes, rakes and cultivator teeth as shown in cut. Can be used either with one or two wheels and the seed hopper is detachable. Price only \$8.50; thus making it the cheapest combined drill and cultivator on the market.

UNIVERSAL DOUBLE  
WHEEL HOE.

**UNIVERSAL DOUBLE WHEEL HOE.**—A greatly improved implement which will work both sides of the row at once in a most thorough manner. It has all the attachments shown in cut, consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifters or vine guards which are quite a help when plants become large. The adjustable arch not only forms a means for gauging the depth of work to be performed; but, by an ingenious device enables the teeth to be pitched at any angle desired. This is especially advantageous for the hoe attachments, which are by far the most used of all. It is thoroughly well made and does all kinds of small cultivating to perfection. Price only \$5.25. We can also furnish this tool with only one pair of hoe blades for \$3.50.

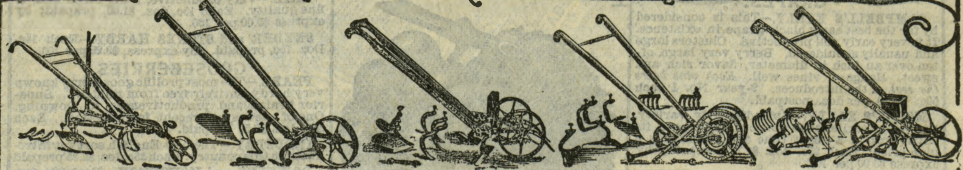
**PLANET JR. NO. 17, SINGLE WHEEL HOE.**—Same as No. 15, except that it has only one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and the new No. 17 will doubtless be very popular. Price only \$4.75. Rakes extra 75c per pair.

MATTHEWS' UNIVERSAL MODEL  
COMBINED DRILL.

**PLANET JR. NO. 4, COMBINED SEEDER AND CULTIVATOR.**—This latest improved tool is giving good satisfaction and it has many good points. It will drop the seed either in a continuous row or in hills 8, 9, 12, 15 and 36 inches apart. The drill is easily detached and the tool frame substituted. Has all the attachments shown in cut. Price complete \$11.00. As a drill only, \$8.00. Attachments can afterwards be purchased for \$4.00 to make a complete machine.

**PLANET JR. NO. 15 SINGLE WHEEL HOE.**—The same as above only without the drill attachment. Price \$6.50.

**PLANET JR. NO. 3 COMBINED DRILL AND CULTIVATOR.**—This is the most popular tool we have ever sold. 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, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth. Each machine is sent out with the tools shown in the cut. Price \$9.50.



PLANET JR. NO. 8  
HORSE HOE.

NO. 17 SINGLE WHEEL HOE. NO. 12 DOUBLE WHEEL HOE.

NO. 1 COMBINED DRILL.

NO. 4 COMBINED SEEDER

**PLANET JR. NO. 12 DOUBLE WHEEL HOE.**—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once under plants are eighteen inches high, then the wheels can be set to run close together and work between the rows. It will do the work of six men with ordinary hand hoes. Price \$9.50. Rakes extra 75c per pair.

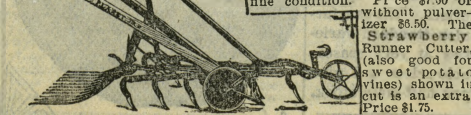
**PLANET JR. NO. 8 HORSE HOE.**—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to stand incredible strain, yet it is light and easy to handle. The No. 8 combines all the latest improvements. Levers adjusting it in width and regulating the depth. Ask for circular giving full description. Price \$7.50.

**MCGEE GARDEN CULTIVATOR OR SPRING HOE.**—Has two wheels connected by an arch attached to frames by a lateral spring, enabling the user to almost "finger-weed" the crop, as the machine is under such complete control. Onion growers claim that this is the best cultivator for onions. With each tool there is a pair of knives that operate as hoes, and a pair of cultivators. Price \$1.50.

**FIRE FLY PLOW.**—This is one of the nicest little tools imaginable. With it you can plow the ground, even if hard, by attaching ropes to the eyelet holes on each side of the wheel. It makes the care of the vegetable garden a pleasure. Will both plow the garden and attend to the cultivating and weeding throughout the season. The moldboard is tempered and polished steel. Price only \$2.50.

**DAISY WHEEL HOE.**—A new tool which has been thoroughly tested and we are sure it will please every one. The blade, which is of best steel, has two cutting edges and is pivoted so that it cuts with both the forward and backward stroke. It will cut out between plants in the row, and is adapted to all work required of such a tool. Price only \$1.50.

**PLANET JR. TWELVE TOOTH HARBOR.**—For fine cultivation, either deep or shallow, this has no equal. The recurved throat and high frame prevent clogging, and the reverse position is given to the teeth in a short time by changing a single bolt in each. It is provided with a pulverizer which leaves ground in fine condition. Price \$7.50 or without pulverizer \$5.50. The Strawberry Runner Cutter, (also good for sweet potato vines) shown in the cut is an extra. Price \$1.75.



PLANET JR. TWELVE TOOTH HARBOR AND PULVERIZER.

**PLANET JR. NO. 3 SEED DRILL.**—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price \$10.00.



**CLIPPER SEED CLEANER.**—This is an up-draft fanning mill and does the best work in cleaning all kinds of seed and grain, more of these are used by seed dealers than all other makes combined, and farmers would in many cases save the price of a mill by cleaning and grading up their grain before selling. Price only \$3.00, or if sent direct from the factory in Michigan, only \$19.40.

**FARM FANNING MILL.**—A good straight blast machine. Price \$10.00.

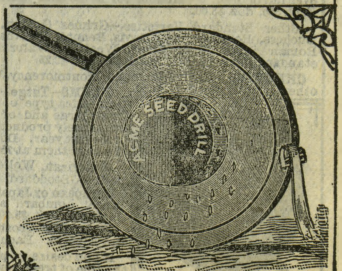
**ACME SEED DRILL.**—A nice little machine which has been tested in all parts of the U. S. It will sow beet, cabbage, carrot, celery, lettuce, radish, turnip and all such seeds with perfect regularity. It is simple in construction and by its use you will save time, save seed, make the work easier and get a better stand. If a longer handle is desired it can easily be attached, but we make them short for convenience in shipping. Price \$1.25 or to persons who order seeds from us also, the price will be only \$1.00, charges prepaid.

## SPECIAL PRICES!

If you want any of these tools and also some seed, please send list and let us make you *Special Quotations*.

## Valuable Book Free.

A copy of Green's Vegetable Gardening, containing 230 pages and 120 illustrations is given free to each of our customers who purchase a Matthews Drill this year from us.







LITTLE GIANT.

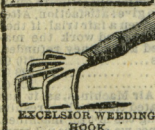


LANG'S WEEDER.

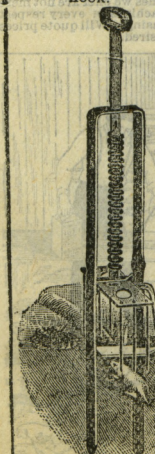


BUREKA POTATO PLANTER.

**EXCELSIOR WEEDING HOOK.**—Can be used to great advantage among small and tender plants. Price 10c. doz. \$1.00 or postpaid for 20c each.



EXCELSIOR WEEDING HOOK.



REDDICK MOLE TRAP

**BRASS SPRINGERS.**—Used by florists. Each \$3.50.

**LITTLE GIANT HAND BROADCAST SEED SOWER.**—Simple in construction, light, strong and durable, and the easiest running machine known having no feed plate to carry, and only weighing three pounds complete. Will sow orchard grass, clover, timothy, wheat, etc. Even if you have only a small field to sow it will pay you to have one of these as to get it distributed evenly. Each \$1.25.

**IOWA BROADCAST SOWER.**—An improvement on the Little Giant in that it retains its valuable characteristics, but instead of working with a siddle bow, it is operated with a crank. Price \$2.00.

**HOTED THERMOMETER.**—A tested ten-inch thermometer, increased in a round wood tube with open face, pointed brass bottom. Each \$1.00.

**LANG'S HAND WEEDER.**—It 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 down the tool. Price 25c, \$2.50 per doz.; 30c each, postpaid.

**EUREKA POTATO PLANTER.**—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and seed corn equal to any corn planter. Price \$1.25.

**GARDEN TROWELS.**—3 inch 10c, by mail 15c; 6 inch 15c, by mail 20c.

**FLORIST TROWELS.**—Extra heavy 40c, by mail 50c.

**TRELLISES.**—15c to \$2.00 each.

**SCOLLAY'S RUBBER SPRINKLERS.**—Indispensable for floral work. Excellent for washing the foliage of house plants, and used largely for sprinkling clothes.

Standard size, each \$1.00; postpaid, \$1.10. Small size, each 60c; postpaid, 70c.



SCOLLAY SPRINKLER.

**SPHAGNUM MOSS.**—Clean, nice moss which is used largely for packing fruit plants for shipment. It is put up in large bales. Price \$1.25 per bale; 5 bales or more at \$1.10; 10 bales \$1.00.

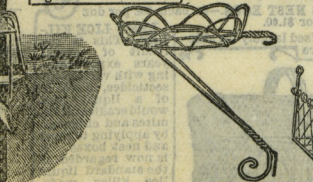
**DANDELION FULLER.**—Each 25c, by mail 40c.

**DIBBER.**—With steel point, desirable for transplanting vegetable plants. Each 50c, by mail 40c.

**MAGNIFYING GLASSES.**—For examining and testing all kinds of seeds. A powerful magnifying glass about 2 1/4 inches in diameter in wood frame 2x4x4, with legs. Price 75c each, or 50c each, postpaid.

**REDDICK MOLE TRAP.**—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no other can pass under it and live. We have used this trap on our own place for three years and consider it by far the best pattern on the market. Price only \$1.00.

**WIRE BRACKETS.**—This new pattern is a very cheap and handsome bracket, made of tinned wire. It is easily put up, adjustable, can be instantly removed, is simple, practical and durable. Price, 4-inch, 10c each; 5-inch, 12c each; 6-inch, 15c each; 7-inch, 18c each; 8-inch 15c each, \$1.50 per doz. postpaid 6cts. each, extra.



WIRE BRACKET.

# KELLY PRUNING SHEARS

—Best for picking grapes, as it holds the bunch firmly until dropped in basket, enabling operator to do double the work. Price 75c postpaid.

**ROTARY CORN PLANTER.**—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. It is easily worked and a most satisfactory tool in every way. Price \$1.50.

**SCREW BIRD CAGE HOOK.**—The most popular style as it is inconspicuous, neat, cheap and makes only one hole in casing. Nice for bird cages or hanging baskets. Each 3c. Postpaid 12c.

**WATER'S TREE PRUNER.**—The standard make; with 6 ft., pole, 50c; 8 ft., \$1.00; 10 ft., \$1.20.

**GARDENING TOOLS.**—We have a great variety of ordinary and new shapes of hoes, rakes, lawn rakes, spades and all kinds of garden tools at reasonable prices.

**SELF-CLEANING LAWN RAKE.**—Best device for raking the lawn. It is an automatic self-cleaner, keeping the teeth clear of refuse. Price 75c each.

**RUBBER HOSE.**—Good strong quality which will please you. Per roll of 50 ft., \$3.00.

**TREE LABELS.**—3/8 inch, notched, 1,000, 50c.

**POT LABELS.**—4-inch, pointed; per 1,000, 60c.

**RAFFIA.**—Excellent for tying asparagus and other vegetables. Gardeners should try this. Per lb. 25c, 10 lbs. \$2.00.

**HORSE RADISH GRATERS.**—Large size, \$2.00; small 85c each.

**DALMATIAN INSECT POWDER.**—The best grade, fresh and nice. It does not pay to use the cheap or inferior grades. Per lb. 40c, 5 lbs. or more at 35c; postage 15c lb. extra.

**CANE PLANT STAKES.**—Desirable for plant supports. \$1.00 per 100.

**OUT O' SIGHT MOLE TRAP.**—Moles are one of the worst nuisances in the lawn or garden. This trap catches them every time if properly set. Price \$1.25 postpaid, \$1.00 if by freight with other goods.



OUT O' SIGHT MOLE TRAP.

# LYMAN PLANT SPRINKLER

**LYMAN PLANT SPRINKLER.**—With it you can, without injuring your plants or soaking the earth, quickly sprinkle them. It will render valuable aid in keeping the foliage fresh and healthy and free from insects of all kinds. The best trick enables you to spray the under side of the leaves which are usually the insect hiding place. Postpaid for 75c each.

**"HANDY" CORN SHELLER.**—Sheller is simple, strong, convenient and cheap. Can be used for shelling seed corn, pop corn, corn for chickens, etc. Weight 15 lbs. Price \$1.75.

**WIRE PLANT STANDS.**—For strength, beauty of design and superior finish, our stands are unequalled, if equated. The No. 10, illustrated herewith, is a very popular style. Price only \$4.50, or without the arch for \$3.50. Other styles at low prices. Illustrated list free.

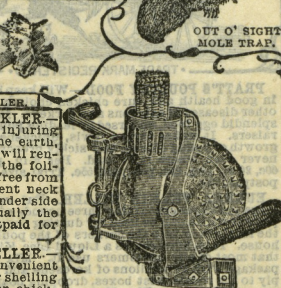
**WIRE WINDOW SHELVES.**—These can be fastened to window frames either inside or outside. They are strong and attractive, 36 inches long, 6 or 7 inches wide. The border is not as high as the engraving shows. Price \$1.00 each.



WIRE WINDOW SHELF



ROTARY PLANTER.



"HANDY" CORN SHELLER.



NO. 10 PLANT STAND.



# POULTRY SUPPLIES

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation charges to be paid by purchaser except where noted. Complete list sent on request. Ask for it.

**MICA CRYSTAL GRIT.**—This has proved to be the best on the market. It is hard, sharp, and, instead of grinding smooth like an ordinary stone, it breaks off in such a way that it stays sharp. It is unequalled for poultry, pigeons and turkeys. Price 10 lbs. 25c; 25 lb. 40c; 100 lbs. \$1.00; 500 lbs. 80c per 100.

**CRUSHED OYSTER SHELL.**—This is a most important article for the poultry yard and should be supplied to the fowls generally, of superior quality. Your hens will keep healthier, lay better and eggs will be more fertile if supplied with it. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00; 500 lbs. or more @ 80c.

**CRUSHED RAW BONE.**—Really better than the shell, but it will pay to use both. Of the best quality, being made from fresh bones. Price, 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.00.

**FINE BONE MEAL.**—Ground fine for feeding small chickens, also used as a lawn fertilizer. Price, 10 lbs. 45c; 25 lbs. 85c; 100 lbs. \$2.50.

**CLOVER MEAL.**—An excellent and very popular food for poultry. Of special value during the winter. 10 lbs. 40c, 25 lbs. 60c, 100 lbs. \$2.00.

**GRASS CLOVER.**—Put up in 5 lb. bags. Cut from best clover hay. A very necessary feed when your fowls cannot secure green feed out of doors. 50 lbs. 90c, 100 lbs. \$1.60.

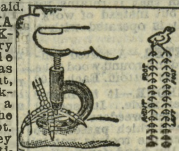


100 for \$1.35 postpaid.

**PHILADELPHIA POULTRY MARKER.**—This is a very convenient little spring punch, as shown in the cut, for marking chickens by making a small hole in the web of the foot.

In this way they can be easily identified or followed by their peculiar mark. 25 each postpaid.

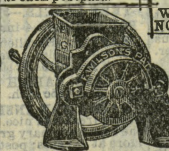
**CLIMAX LEG BAND.**—The "stay on" kind. These bands have no sharp edges or exposed ends of wire to cut your fingers or injure the fowl, are very easy to put on. Six sizes. State breed of fowls you have and we will send suitable size. Dozen 25c; 25 for 40c, 50 for 75c.



**PHILADELPHIA POULTRY MARKER.**

**WILSON BONE MILL NO. 1.**

Will grind either shell or dry bone and crack wheat or corn for the little chickens grind charcoal to mix with the soft feed, grind dry bread etc. The usual price is \$5.00 but we are now selling them at \$4.50 each.



WILSON BONE MILL NO. 1.

**DAISY BONE CUTTER.**—Best for cutting green or fresh bone. Price \$15.00, or without legs \$13.00.

**CROWN BONE CUTTER.**—On stand, \$8.50.



**IOWA LEG BAND.**—Made of soft pliable brass band which is far superior to any other in material. The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened and can be instantly adjusted to fit any bird from a pigeon to a turkey. Numbered with plain figures. Price 20c per doz. \$1.00 per 100 postpaid.

**FRENCH POULTRY KILLING KNIFE.**—Best and most humane method of killing all kinds of poultry. 50c postpaid.

**DEODORIZED BLOOD MEAL.**—Summer's Process—A superior supplement of food. Each two ounces is said to represent one quart of raw blood. These raising chicks hatched in incubators, who had formerly met with heavy loss from breaking down or leg weakness, say that blood meal mixed with their ration, has been instrumental in stopping loss in this way entirely. 10 lb. sack 50c, 50 lb. sack \$2.00.



**LAMBERT'S DEATH TO LICE.**—A cheap and effective remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Price per pkg. of 1 lb. 25c, or by mail for 40c. Trial size 10c, or 25c postpaid.

**CAPONIZING INSTRUMENTS.**—Set \$2.50, prepaid.

**TESTED THERMOMETER.**—For incubators. Each 80c by mail.

**GLASS NEST EGGS.**—Sc each, 35c per doz. 4 dozen for \$14.00.

**CLIMAX BASKETS.**—Used largely for shipping grapes, but they are also desirable for shipping eggs. Will hold 2 settings of Leghorns, etc., or 1 of Asiatics. Price per 10 40c; 50 for \$4.00; 100 for \$2.75.

**POULTRY WIRE NETTING.**—The best make, thoroughly galvanized to prevent rusting, properly twisted.

Made of No. 19 wire and two-inch mesh. Put up in rolls of 150 feet in length.

width	per roll	width	per roll
12	75	12	\$1.85
18	115	18	2.45
24	150	24	3.70
30	200	30	4.99
36	225	36	5.50
48	300		
60	375		
72	450		

One inch mesh, No. 20 wire for vermin chicks and Belgian Hares.

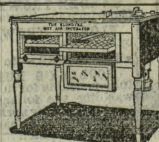
Will allow 5 per cent. discount on 5 roll lots, or 10 per cent. on 10 roll lots.

Cut rolls, any width, of 2 inch mesh 16 sq. ft. 10c, 25 sq. ft. 25c, 50 sq. ft. 50c.

**GALVANIZED STAPLES.**—For fastening wire poultry netting. 10c per lb.

**INCUBATORS AND BROODERS.**

We aim to handle the very best that can be had in the line of Incubators and Brooders. After studying the different makes of machines carefully and learning of the results of hatches made by the various machines, we can recommend either of the makes we offer.



**THE KLONDIKE.** We have sold a number of these machines during the past two years and find they have given most excellent satisfaction. We are able to offer them at a reduced price this year.

80 egg size ..... \$10.00  
120 egg size ..... \$15.00  
240 egg size ..... \$22.00

**THE IOWA INCUBATOR.**—Is a circular machine, having been thoroughly tested the past two or three years, and has given almost universal satisfaction. The manufacturers guarantee each incubator to give satisfaction. After the machine has been given a fair trial, if they are defective, or fail to do good work the machines may be returned and money refunded.

Iowa Junior, 60 eggs ..... \$10.00  
Iowa No. 1, 120 eggs ..... \$20.00  
Iowa No. 2, 240 eggs ..... \$28.00  
Both makes are Hot Air Machines, as it has been clearly demonstrated that the best results can be obtained by using the hot air machines. The small sized machines we offer are not mere toys, but first class machines in every respect. Write us before purchasing. Will quote prices on Brooders when desired.

**LEE'S LICE KILLER.**—This is the result of several years experimenting with various insecticides, in search of a liquid that would eradicate lice, mites and chiggers, by applying to roosts and nest boxes. It is now regarded as the standard liquid lice killer, made. Per qt. 25c, 5 gal. 60c, gal. \$1.00.



**LEE'S LICE KILLER.**

## PRATT'S POULTRY FOOD



TRADE MARK REGISTERED.

**PRATT'S POULTRY FOOD.**—Will keep hens in good health and cure cholera, cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. It makes larger fowls, quickens the growth of young chicks, and sickly broods are never seen where it is used. Per 5 lb. pkg. 60c, 25 oz. pkg. 25c, postpaid 55c. Trial size 10c, postpaid 15c.

**EUREKA VERMIN KILLER.**—Put up in large packages containing three pounds of the powder which can be used for dusting through the feathers or into the corners of the poultry house. It is, however, as a Liquid Lice Killer that most of our customers use it. Mix one package with two gallons of kerosene and apply to the roosts, nest boxes, dropping boards, etc., with a brush. Pkg. 50c by express.

**EUREKA POULTRY TONIC.**—This is a poultry food, medicine and tonic combined which has been thoroughly tested for several years past and given universal satisfaction. It keeps the fowls in good health, cures the ordinary diseases and has no superior as an egg producer. Price per three pound box 60c by express.

**HALL'S GUARANTEED ROUP CURE.**—It is claimed that it will positively cure Roup in all its forms, when given a fair trial. Guaranteed to cure or money refunded. Price 60c, per box, post paid.

**CONKEY'S ROUP CURE.**—This is an excellent remedy that has been thoroughly tried and meets with a ready sale, as it has given excellent satisfaction. Per box 50c, by mail 60c.

**SPONGIA TABLETS.**—For roup. Dozen 10c, 4 dozen for 25c, postpaid.

**GAPE WORM EXTRACTOR.**—Price, each 15c, 4 for 50c, postpaid.

**STONEWARE DRINKING FOUNTAIN.**—To keep the water cool and clean and prevent the birds from getting wet. Price, two-gallon size, 25c, doz. \$2.50; gallon size 15c, doz. \$1.50; two-gallon size 50c, doz. \$5.00.





## DAISY SPRAYING PUMP.



This popular little sprayer is shown by our illustration. We sell hundreds of these pumps which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed so as to throw a solid stream of water 20 to 30 feet high and used for washing windows, buggies, etc. Price only \$1.00. Can be sent by express only.

**LIGHTNING ATOMIZER No. 2.**—Decidedly the best insect exterminator on the market. Made of the best brass with double tube and has double the capacity of any other atomizer that we know of, thoroughly covering a very wide space at each action of the handle, and the spray is so fine that it thoroughly covers both under and upper side of leaves, and everywhere that insects can find lodgment. The spray is so fine that one quart of liquid will spray 1000 hills of potatoes. Invaluable

for spraying plums, grapes, currants, melons and all other fruit and vegetable plants. We consider it fully equal to the more expensive machines for this purpose which are sold at \$12.00 to \$15.00 each. Price only \$1.00; postage 25c each additional.

**JADOO FIBRE.**—We most highly recommend this material for growing plants in. It is a light, spongy substance and plants grow in it very vigorously, stocky and show more brilliant foliage and finer, more continuous bloom. There is no manure in any form in its constitution therefore it is clean as well as free from weeds. It can be mixed with soil if desired, but if used alone smaller plants may be used than would otherwise be employed. Press it tight around the roots when potting and water seldom, as the fibre retains more than double the moisture that ordinary soil will. Price 30c per lb., 3 lbs. 75c, by mail postpaid. By express or freight per lb. 10c, 3 lbs. 25c, 10 lbs. 60c, 25 lbs. \$1.00.



**BOWKER'S AMMONIATED FOOD FOR FLOWERS.**—A fertilizer made especially for plants grown in the house, garden or conservatory; clean, free from offensive odor, largely soluble in water, producing early plants, and early and abundant blossoms, to which it imparts a rich and brilliant color. It starts plants as once into a vigorous and healthy growth, drives out worms and insects from the soil. Large box containing sufficient for 20 plants for one year, 25c, or postpaid 40c. Small pkg. 15c, postpaid 25c.

**HAMMOND'S SLUG SHOT.**—A combination of the most potent insecticides and solvents plant food. It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbages, currants and vegetables and

fruits of all kinds. This preparation, though poisonous to insects, does not injure the foliage in the least. When you order your seeds if you have not tried Hammond's Slug Shot, order a five cent one lb. pkg. and use it as per directions given with each pkg. Not prepaid, 5 lbs. 80c; 10 lbs. 60c; 25 lbs. or more at 5c per lb.; by mail postpaid, 1 lb. 25c, 4 lbs. 60c.



**DUSTERS.**—For Hammond's Slug Shot, each 35c.

**PERFECT PLANT FOOD.**—An unsurpassed fertilizer for plants, which is prepared especially for plants grown in the house, garden or conservatory; clean, largely soluble in water, producing healthy plants, free from vermin and early and abundant blossoms. Per lb. pkg. 25c, postpaid 40c; 4 lb. pkg. 1.00, postpaid 1.25.

**GARDEN FERTILIZER.**—A plant food which is a very desirable and beneficial fertilizer for garden use. It is highly concentrated, and should also be used for flower beds. 10 lbs. 60c, 25 lbs. \$1.00, 50 lbs. \$1.25, 100 lbs. \$3.50, by freight or express.

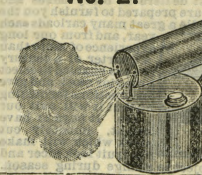
**SULPHUR-TOBACCO SOAP.**—In our test this has proved the most effective of any insecticide and is perfectly safe to use, its chief ingredient is the gum of the richest Virginia and Kentucky leaf tobacco. It is formed with whale oil and sulphur in a soluble state into a soap. The soap is easily dissolved in warm or cold water. Per 8 oz. pkg. 25c, or by mail, postpaid, 35c. Trial pkg. 10c, or by mail 15c.

**BELLOWS.**—Useful for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6 ounces of powder. Price \$1.00. Postage, if sent by mail, 30c extra. Spreader shown in cut, distributing powder more evenly, 25 cents each.

**STAR INSECT POWDER GUN.**—Handy size for house use. 10 cents each; postpaid 13c.

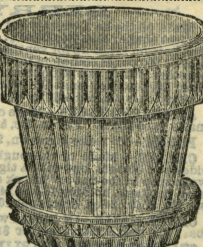
**ANT EXTERMINATOR.**—A non-poisonous powder which, when sprinkled around the bed or drive away from lawns, trees, houses, etc. Price 25c. by mail 30c. Large pkg. 50c by mail 60c.

## Lightning Atomizer No. 2.



**FLUTED FLOWER POTS.**—These are of a handsome new pattern. The price is the same as for common plain pots, so they are sure to be popular. The following prices per dozen are for pots and saucers: 4-inch, 60c; 5-inch, 75c; 6-inch, \$1.00; 7-inch, \$1.50; 8-inch, \$2.40; 9-inch, \$3.00. We make no charge for packing or delivering at the depot here. All orders for these must amount to at least \$1.00. Many styles of handsome pots, hanging baskets, jardiniere and vases at very low prices.

**Market Gardeners** and others who desire to purchase a large lot of goods, should send list and let us quote special prices.



**FLUTED FLOWER POT.**—Price, not prepaid, small pkg. 25c, 7 lb. pkg. 50c, 12 lb. sack 75c.



**PRATT'S FOOD.**—This we consider the best condition food on the market for cattle, horses, and other stock. Try it and you will be pleased as it is claimed to be a perfect animal regulator. Price, not prepaid, small pkg. 25c, 7 lb. pkg. 50c, 12 lb. sack 75c.

**GALVANIZED WIRE TRELLIS.**—The wire poultry netting listed on page 85, is the nicest trellis for garden peas and also for sweet peas and other vines. It is also very cheap, a 10-foot length of the netting, 18 inches wide, costing only 40c, 3 lengths for \$1.00. Other sizes at proportionate rates.

## VALUABLE BOOKS.

It will pay you to read some of the following books which are sent postpaid on receipt of price:

**Henderson's Gardening for Profit.**—New edition. By Peter Henderson. Price \$2.00.

**Ontario: How to Raise Them Profitably.**—Being the practical details by seventeen practical onion growers. Price 25c.

**The A B C of Potato Culture.**—By T. B. Terry. Revised. Price 40c.

**Tomato Culture.**—By A. I. Root. 135 pages. Price 35c.

**Celery for Profit.**—A new book by T. Greiner. Price 25c.

**Vegetable Gardening.**—By S. B. Green. A most practical book which is thoroughly up to date. Every Market Gardener should have a copy. 220 pages. Price \$1.25.

**New Onion Culture.**—How to produce big crops by the new system. By T. Greiner. Price 50c.

**Asparagus Culture.**—A quite complete book. Price 50c.

**Fitz's Sweet Potato Culture.**—Cloth. Price 60c.

**E. P. Roe's Play and Profit in My Garden.**—Price \$1.50.

**Henderson's Practical Floriculture.**—New edition. Price \$1.50.

**Fuller's Grape Culturist.**—By A. S. Fuller. Price \$1.50.

**Fuller's Small Fruit Culturist.**—Price \$1.50.

**Clover Farming.**—A complete handbook on Clover by Henry Wallace. Price 35c.

**Uncle Henry's Letters to Farm Boys.**—Farmers should present a copy of this book to their boys to help them for life. Price 35c.

**Canning and Preserving.**—By Mrs. S. T. Rorer. Price 40c.

**The Dahlia.**—A clear, concise, yet a comprehensive treatise. Beautifully illustrated. Price 50c. Our price only 25c.

**Feathered Pets.**—A most complete new book on Canaries, Parrots, and all kinds of cage birds. 140 pages. Cloth 75c; paper 25c.

**Aquaria.**—A 64-page book on the care of Gold Fish, Aquariums, breeding fish, etc. Cloth 50c; paper 15c.

**Practical Poultry Keeper.**—A very popular little book. Price 10c.

**Some of Lee's Ideas.**—On poultry breeding—illustrated. Price 25c.

**Poussin Creek Poultry Club.**—By Uncle Rastus (J. H. Davis). A hundred pages of 140 pages on poultry culture. Price 35c.

**Pigeon Queries.**—Of interest to pigeon breeders. Price 25c.

**A B C of Poultry.**—A practical book for the beginner. Price 25c.

**Low Cost Poultry Houses.**—Plans and specifications. Price 25c.

**Poultry for Profit.**—By Thos. Shaw. A practical book for stock farmers. 300 pp. Price \$1.00.

**Horticulturist's Rule Book.**—By Prof. Bailey. Price 75c.

**How to Grow Mushrooms.**—Price 10c.

**Broomcorn and Froom Making.**—Price 50c.



**SPREADER** **INSECT POWDER BELLOWS.**



## FRUIT PACKAGES.

BEING the oldest as well as the largest dealers in berry boxes and other fruit packages in the west, we are prepared to furnish you the best stock made, at low prices. We handle a great many carloads each year, and from our long experience of more than a quarter of a century we are enabled to select superior stock and give instructions for cutting so that it will suit our trade. It pays to have bright, smoothly cut stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season.



sell better.

## BERRY BOXES.

Made of the best white wood (popular heart stock, cut smoothly, and perfect shape; size 4 1/2 x 15 x 2 1/2) and will hold a wine measure quart. The bottom is set up for ventilation. They are usually put up in bundles of 500 boxes complete for shipment and are all ready for putting together, which can be done very rapidly. We finish at the 100 rate; broken bundles at the 100 rate. Price per 100, 35c; 1,000, \$2.75. If a large lot is wanted ask for prices.

**ANNEALED TACKS.**—Made of the best Swedes iron. One pound will make 1,000 boxes. Per lb. 25c; 5 lbs. \$1.00, 10 lbs. \$1.75.

**FORMS.**—To make boxes on, 25c each.

**CRATES.**—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down;" they make a cheap, strong and neat package, holding 16 and 24 quart boxes. 16 qt. crates per 100, 85c; per 100, \$7.00; 24 qt. crates per 100, \$1.00, per 100, \$8.00.

**CRATE NAILS.**—Of barbed wire and far superior to any other. 12 lbs. (will make 100 crates) for \$1.00.

**STANDARD WIRE STAPLING MACHINE.**—The latest improved. Price \$35.00. We can also furnish a cheaper make for \$25.00.

**STAPLING WIRE.**—To use with the above machine for making boxes. Per lb. 15c. per coil of 12 lbs. \$1.00. 5 coils or more at 85c. per coil.

**MAGNETIC TACK HAMMER.**—Picks up the tacks and saves much of the labor. 12c each.

**CLIMAX GRAPE BASKET.**—The best package for shipping grapes, cherries, plums, etc. It is the standard 8 lb. size, making a strong but light package. Baskets are made of the best material. They are nested for shipment with the covers and bent handles in separate packages. Price for 100, 40c; 25 for 80c; 100 for \$2.75; 1,000 for \$20.00. Ask for prices in large lots.

**SMALL CLIMAX GRAPE BASKETS.**—For fancy grapes, etc. Hold about four pounds. 40c for 10; 50c. for 25; \$3.00 for 100.

**DIAMOND MARKET BASKETS.**—Per doz. 40c; 10 doz. \$4.50.

**WARREN'S BERRY PICKING CRATE.**—A new device which has been tested by fruit growers near this city for three years and has proven of great merit. As will be seen it is a crate holding two berry boxes attached by a belt to the waist. It enables the berry picker to make use of both hands in picking and it pays for itself in half a day's time. Price 25c each, \$2.50 per dozen, or 50c each postpaid.

BERRY PICKING CRATE.

FINLEY LAWN RAKE.

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## BEE SUPPLIES.

BEE keeping is yearly becoming more important. The demand is always larger than the supply, and if properly managed bees usually pay a handsome profit. Most of the goods we handle are of Root's manufacture and everything is of the best quality. If a large lot is wanted send list and obtain our special prices.

**NO. 1 DOVE-TAILED HIVE.**—1 1/2 story hive for comb honey; a body with eight improver; Hoffman thick-top frames and plain division board; one super with a follower and wedge; six section holders with slotted separators, section and foundation starters for frames and sections, and more. This is what all beginners should order as it is ready for immediate use. Price, made and painted, \$5.10 each. The same in flat (not put together) \$1.65 each, or in an original package of five for \$7.25.



**NO. 1 HIVE EMPTY.**—Is the same hive leaving out sections and starters; everything else mentioned is included. Price, made, \$1.75 each; flat, \$1.40; package of five for \$5.50.

**SUPERS.**—Either the shallow or deep, 45 cts. each made, or 35 cts. each in flat.

**HONEY SECTIONS.**—Made of best quality bright

nice wood, 4 1/4 inches sq. Per 100, 50c; 250 for \$1.00; 500, \$1.75; 1,000, \$3.60.

**COMB FOUNDATION.**—Broad, 50c per lb., 5 lbs. or more @ 45c; surplus 50c per lb., 5 lbs. or more @ 55c.

**PARKER'S FOUNDATION FASTENER.**—A convenient little tool for beginners. Each 15c, by mail 40c.

**DAISY FOUNDATION FASTENER.**—With lamp \$1.00; without 70c.

**DAISY FOUNDATION ROLLER.**—Each 15c; by mail 15c.

**SPUR WIRE IMBEDDER.**—Each 15c; by mail 15c.

**COWAN'S HONEY EXTRACTOR.**—Very popular, \$1.00 each.

**CLARK'S SMOKER.**—A good bee smoker is almost indispensable and we sell more of this cheap make than any other. It works well. Each 50c; by mail 75c.

**CORNEIL SMOKER.**—By many considered superior to above. Each 75c; by mail \$1.00.

**BEE VEILS.**—No. 2, the most popular. Each 50c postpaid.

**PORTER'S BEE ESCAPE.**—Each 25c, postpaid.

**TESTED QUEENS.**—Can ship after April 1st, \$1.50 each.

**ALLEY'S QUEEN TRAP.**—Each 50c; by mail 60c.

**A B C OF BEE CULTURE.**—Best book on the subject, 475 pages. Price \$1.20, postpaid.

Other bee supplies delivered on cars at Des Moines at Root's prices.

**CUT FLOWERS.**

Owing to the fluctuation in the value of cut flowers at various seasons of the year, it is impossible to give a list of prices in this catalogue, but we will quote lowest price or any list of flowers desired, by mail. Roses vary from \$1.00 to \$4.00 per dozen, and Carnations from 25 cents to \$1.00 per dozen. They are always much higher at Christmas and Easter than at any other time.

**BOUQUETS OF FLOWERS.**—\$1.00 to \$5.00 each.

**BUTTONHOLES FOR GENTLEMEN.**—75 cents to \$2.00 per dozen.

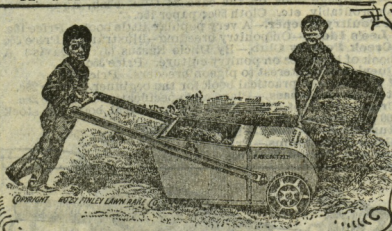
**FLORAL BASKETS.**—Tastefully filled at \$1.00 to \$15.00 each.

**WEDDING EMBLEMS AND FUNERAL DESIGNS.**—A great number of styles at \$1.50 to \$25.00 each.

**TERMS ON C. O. FLOWERS** are strictly cash with order. We do not care to ship C. O. Have bank telegraph for you if time is limited.

## LAWN SUPPLIES.

A FEW ITEMS WHICH WERE CROWDED OUT OF OTHER LIST ON PAGE 40.



FINLEY LAWN RAKE.

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FINLEY LAWN RAKE.

**HORSE LAWN MOWER.**—Useful for large lawns, public and private parks etc. Price, 30 inch mower with seat, shafts and side draught attachment. List price, \$110.00, our price only \$80.00; 33 inch list price \$135.00, our price only \$95.00; 40 inch list price \$170.00, our price only \$120.00.

**FINLEY ROTARY LAWN RAKE.**—It does the work of raking and gathering up all loose grass, leaves, twigs and loose litter. It works very rapidly and cleans the lawn thoroughly. Price \$12.00.

**CLEVELAND LAWN WEEDER.**—"Extracting the Root" is easy with this little tool and it uses less time and a great amount of back aching work. Price 75c.

**EUREKA WEED KILLER.**—Weeds, grass and moss are a nuisance on gravel and brick walks and drive ways. They are easily killed and the walks made bright and clean by using this preparation. One package of which is sufficient when mixed with 25 gallons of cold water to clear 100 sq. yds. Per package, by express.

**GRASS HOOKS OR SICKLES.**—Standard makes. Each 50c and 75c.

**SELF CLEANING LAWN RAKE.**—Best device for raking the lawn. An automatic self cleaner, keeping the teeth clear of refuse. Price 75c each.

**IMPROVED GRASS SHEARS.**—An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing the knuckles on the ground when using.

They are made of best material, the spring is strong and the thumb piece enables the operator to hold them more easily. Each 50c.