



1894

1894 COLLECTION.

1 RAINBOW. 2 BRIDE.
3 METEOR. 4 LA FRANCE.
5 DWARF MARECHAL NEIL.
6 CLOTHILDE SOUPERT.
Strong Plants 20¢ each,
6 for \$1.00.

Iowa

SEED CO.

DES MOINES, IOWA.

SIX GRAND ROSES.

On the front cover of our catalogue we illustrate the six grand varieties described below. They are of such exquisite beauty that our representation can give but a faint idea of their rare beauties, and all should see them in order to more fully appreciate their charms. We have reduced prices, and this year offer strong plants at 20 cts. each, 6 for \$1.00.

No. 1. NEW RAINBOW—This new rose from California, which no doubt will be extensively planted, was awarded a silver cup by the State floral society. The color is a lovely shade of deep coral pink, striped and mottled in the 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. It is a most charming new variety. Each 20c, 6 for \$1.00.

No. 2. THE BRIDE—Every lover of fine roses should have a plant of this peerless variety, as it fills a place in Ever-blooming Roses hitherto wanting. "The Bride" is a pure white rose of large size and most perfect form. The buds are pointed and the ends of the petals are slightly curved back, giving it a most chaste and elegant appearance. This variety has the most delicious tea fragrance, and is a strong-growing, free-blooming rose either for summer or winter flowering. Each 20c., 6 for \$1.00.

No. 3. METEOR—This splendid rose is one of the brightest colored of all, and must be considered among the very best for bedding and general planting, as well as for growing in pots and conservatory. The color is a rich velvety crimson, exceedingly bright and striking, and the flowers are large and regular, fully double and borne on nice, long stems. It is a quick and constant bloomer, and quite fragrant. Never fails to please. It is one of the richest colored roses in existence, and no collection would be complete without it. Each 20c., 6 for \$1.00.

No. 4. LA FRANCE—One of the most beautiful of all roses, and is unexcelled by any in its delightful fragrance, very large, very double, superbly formed. It is difficult to convey an idea of its beautiful coloring, but the prevailing color is light silvery pink, shaded with silvery peach. It blooms continuously throughout the season, often blooming so freely as to check the growth of the plant, in which case a portion of the buds should be removed; stands first among the roses of our climate. In addition to this, it is entirely hardy, with a slight protection of leaves, and most deliciously fragrant, thus combining in a marked degree all the qualities of a perfect rose. Each 20c., 6 for \$1.00.

No. 5. DWARF MARECHAL NEIL—(*Our Perle*)—Poets never tire of singing the praises of the Marechal Neil, the most famous of all roses, and its magnificent golden yellow buds are worn the world over, and the people always delight in it. We have seen greenhouses devoted to a single plant of this climbing variety, from which 500 to 2,000 rose buds are cut every day the year round. Why then don't every one grow it? Simply because they are difficult to grow properly in the northern states, and there are many even among the florists who do not succeed with it. But this grand dwarf variety is of the easiest culture and sure to succeed for every one. It is a sturdy, vigorous grower, strong and healthy, but shows no inclination to climb. The flowers are produced in the greatest profusion and it blooms almost continuously the year round if well cared for. The buds are of the most beautiful golden yellow, perfectly formed and handsomely pointed, and of the largest and most massive size, the petals being slightly reflexed. They keep a long time after cutting and therefore are the best flower imaginable for evening wear. The open flower is very full and double and of immense size. The color always has a peculiar softness and delicacy not observed in any other variety. Unusually fragrant. We believe it to be unequalled for either pot culture or bedding, and every flower lover must have it. Price 20c each, 6 for \$1.00.

No. 6. CLOTHILDE SOUPERT—A decided novelty and one which should be in the collection of every lover of roses. It originated with one of the largest firms of rose growers in Europe, by a hybridization of a Tea and Polyantha rose, thus giving it the large flower and strong growth of the Tea class added to the profuse flowering of the Polyantha. It makes a handsome symmetrical bush, 15 to 18 inches high. The flowers are large, very double, of perfect shape, the outer petals are pearly white, shading to a center of rosy pink. It is fragrant and a constant bloomer. Sure to become a favorite, either for pot plants or garden bedding. Each, 20c, 6 for \$1.00.

COLLECTION—One strong plant each of the six choice roses named above postpaid for \$1.00.

FRUITS AND VEGETABLES ON BACK COVER.

THE COTTAGE GRAPE.

This is the grape of all others for those who only have space for a few vines and grow them for their own use. It will be found to adapt itself to a very wide range of soils from deep black loam to clay, and is a strong, vigorous grower everywhere. It is perfectly hardy, requiring no protection whatever, and is undoubtedly the best grape for arbors or covering verandas in the whole list, thus giving it an added value for the family garden. The foliage is of a bright pleasing green, while the underside of leaf is a beautiful golden yellow. The bunch is medium to large, and of the best possible shape, seldom shouldered. Berry larger than Concord and ripens earlier. Very productive. Flavor decidedly the best of all the black grapes, very juicy, tender and delicious. Moreover it is a long keeper, and can be left on the vine two or three weeks after ripe and still retain its delightful flavor and color. The berries seldom burst open, and thus the bunches always look well. Can be kept until Christmas in good condition. Adheres firmly to the stem. Skin thin but tough. W. M. Bomberger, one of the best posted grape specialists in this state, classes the Cottage as the best variety for family use in existence and the most satisfactory grape to sell fruit of to his retail trade, as wherever he sells a basket of grapes he is almost sure of an order for a dozen vines. Everything considered it is the most satisfactory variety in the entire list. Price for strong vines 25 cents each, \$2.00 for 10, \$4.00 for 25. Write for prices by the 100 and 1,000.

MUSKINGUM RASPBERRY.

A new berry of great value. It is a Cap variety bearing an enormous purple red berry, the juice of which is of the richest ruby color. It is enormously prolific, notwithstanding its large size, and on account of its rich color and flavor it is particularly valuable for canning and preserving. It has more flesh to the quantity of seed than any other. It is perfectly hardy and a strong robust grower. We have grown it several years and are so well pleased with it that we cannot say enough in its favor. 15c each, 5 for 50c; 12 for \$1.00.

IOWA SEED CO'S IMPROVED GREEN NUTMEG MELON.

Every one is delighted with our improved strain of this most excellent old kind. For twelve years we have been constantly selecting and improving the old Green Nutmeg melon until now it is one of if not the best variety of muskmelon in existence. All lovers of fine, luscious melons will admit after giving it a trial that it cannot be surpassed in rich delicious flavor. Fruit of a fair size, very rich, melting and of exquisite flavor. Outside dark emerald green; flesh light green; more productive than any variety we know of. Don't fail to try it. Per pkt. 10 cts., oz., 25 cts.

NEW CHAMPION EARLY SWEET CORN.

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 61 days from time of planting, and they weighed 1½ pounds each, and were 12½ inches long by 8½ inches around. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special culture. An average size is about 9 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. 10c; ½ pt. 20c.; qt. 60c.

ICE KING WATERMELON.

Another season only confirms our high opinion of this grand new variety. It ripens about ten days earlier than Kolb Gem, and is bound to take the place of that famous variety with those who grow melons for shipping purposes. In productiveness it surpasses any melon we have ever known. Many of the vines matured from six to eight large melons each. The flesh is of a scarlet color and fine flavor. Rind is thin and very tough. Owing to its great productiveness, it is the best melon that can be raised, either for market or private use. J. D. Corry, of Voorhees, Kas., who is one of the most extensive melon growers in this country, writes us that the Ice King is the finest appearing melon he had out of twenty varieties the past season, and that no melon can beat it in flavor. In fact too much cannot be claimed for it. *Don't fail to try this grand melon.* Per pkt. 10c.; oz. 20c.; ¼ lb. 50c.; 1b. \$1.50.

PICTURE ROCK TOMATO.

Many enthusiastic growers pronounce this the handsomest of all tomatoes. Fruit bright scarlet, of fair size and so perfect and uniform that they look as though each one was molded with the same stamp. On account of this perfect shape and great beauty it is unsurpassed for market. Its quality is extra fine, and it commences to ripen its fruit VERY EARLY, and continues in bearing until frost. Its keeping qualities are, however, the most wonderful. Ripe fruit picked from the vines have been kept in perfect condition for three to four weeks during warm summer weather. Per pkt. 10c., oz. 25 cts.

COLLECTION VEGETABLE NOVELTIES.

One packet each of the four varieties of vegetables named above for 25 cents.

ELLIS T. PEIRCE, *President.*
M. KURTZWELL, *Vice-President.*

Established 1871. Incorporated 1889.

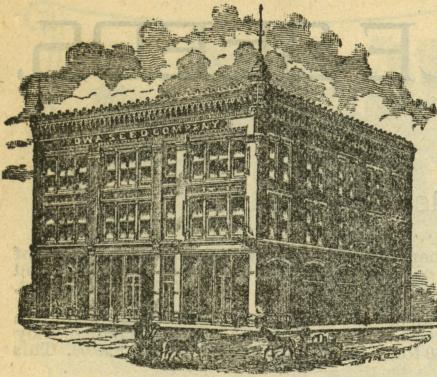
M. L. PAGE, *Secretary.*
CHAS. N. PAGE, *Treas. and Gen'l Mgr.*

.. OFFICE OF ..

IOWA SEED CO.,

903-905 WALNUT STREET.

Des Moines, Iowa, January 1, 1894.



To Our Friends and Customers:

AGAIN we come to you with a seed-time greeting, and also a hearty "thank you" for the liberal patronage which we have received during the past season, and we trust you have each been as well pleased with seeds and other goods received from us as have those from whom we have already heard. It is indeed gratifying to know that the seeds

sent out by us are giving such entire satisfaction, and we assure you that we shall continue our efforts to have our CHOICE IOWA SEEDS just what we claim for them—the best in the world. We do not make a "hobby" of any one kind of vegetables or flowers to the neglect of all others, but we make a specialty of everything which we handle, and all have our careful attention. We send out only just such seeds as we would be willing to plant ourselves, and we do not want an order unless we can please the sender in every respect, as the profit on a dozen orders is not sufficient to offset the damage caused by sending out goods which are in any way unsatisfactory. It is, therefore, decidedly to our interest to supply everything of the very best quality, and to fill the orders in such a way as to secure permanent customers. Thousands of our patrons each year testify that our motto, "ONLY ONE QUALITY, THE BEST," is well taken.

Iowa is truly the garden spot of the United States, and the soil and climate are peculiarly adapted to growing and maturing of seed crops. Many of the best posted and most particular eastern seed firms now have seeds grown here for them, and we also ship to some of the large European dealers. To western planters we would suggest the advisability of ordering *direct from us* instead of sending east. For nearly a quarter of a century we have been located here, and have devoted much time and labor to testing, experimenting, selecting and improving our various choice strains of seed. If you think our years of practical study of varieties suitable to this locality would be of value to you, we solicit your orders and will do our best to please you.

NOVELTIES.—We devote considerable space each year to testing the various so-called novelties offered by the seed dealers of this and other countries, and whenever we discover anything desirable we offer it to our customers. In each department of this catalogue we offer a number of well-tested novelties which we are sure will prove satisfactory.

FARMERS.—It will pay every farmer to thoroughly examine our field seed department. This is a specialty with us, and we believe that there is no seed firm in the country which gives more close attention to growing and handling farm seeds. We have many desirable new sorts, and it will pay you well to renew your seed corn, oats, etc., with better and more profitable varieties. Iowa grown seeds are the best.

Again thanking you for past favors and respectfully soliciting a continuance of your patronage, we remain,
Your friends,

IOWA SEED COMPANY.

SUGGESTIONS TO CUSTOMERS.

ORDER EARLY.—The best time to order is just as soon as you receive this catalogue, as we can always give your orders more of our personal attention if they come in before the rush of the spring trade. Please use the order sheet, as it makes it more convenient for us in filling orders. Terms are invariably cash with order, as we keep no book accounts in our mail order department, and the expense of sending goods C. O. D. is quite large. Postage stamps received as cash.

SHIPPING DIRECTIONS.—In ordering please state whether it will be convenient for you to receive your goods by express, and if so name your nearest express office, as all orders weighing two pounds and upward will be forwarded by express if possible. There are five express companies and fifteen railroads centering at Des Moines, so that quick shipments can be made to any town in the United States.

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

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

OUR PRICES.—Our constant aim is to make the *highest quality* the first consideration, and next to put our prices as low as good reliable seeds can be sold. It is to your advantage to buy direct from the grower, as we know more of the freshness, the purity, and reliability of our seed than a dealer who buys all of his stock.

DISCOUNTS.—On ALL ORDERS FOR SEEDS IN PACKETS the purchaser may select *twenty-five cents' worth extra* for each *one dollar* sent us. This refers only to seeds in packets, not in bulk.

For other discounts see heading of the respective classes of goods. Each year we put up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

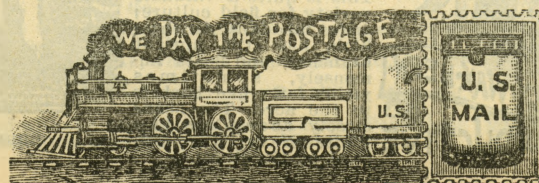
WHAT WE GUARANTEE.—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely.

KEEP A COPY OF YOUR ORDER.—Frequently persons think that they have ordered articles which they have omitted, and blame us for not sending them.

NOTICE.—The importance of Good Seeds cannot be overestimated, and we are certain that after a trial all our customers will agree that our seeds are the purest and best to be had. Still, when it is considered how many are the contingencies on which the success of any crop depends, our customers will readily see that it would be sheer folly for anyone to warrant them to produce a perfect crop, and we want it distinctly understood that while we exercise the greatest care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for *vegetable or flower seeds* free of charge should they prove otherwise than as we represent them.

We know of no responsible seed firm in the world who guarantees seeds any further than this. Compare with other seed catalogues and you will find that we are right.

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



MARKET GARDENERS and others who buy **VEGETABLE SEEDS** in BULK to the amount of \$5.00 or more, are requested to send for our Market Gardeners' Price List. This list for market gardeners is intended only for large buyers, and is exclusively for those who order vegetable seeds alone by weight or measure amounting to \$5.00 or over. Club orders which call for this amount of bulk seeds altogether are entitled to these prices.

CHOICE VEGETABLE SEEDS.

From Good Seeds Only Can Good Vegetables be Grown.

Seeds by Mail Postpaid. In comparing our Catalogue with others, please remember that our prices include the prepayment of postage or express charges, on all seeds by the packet, ounce, quarter pound, pound and quart, and thus you have them delivered to your door at prices named in the Catalogue. *This includes postage on Beans, Peas and Corn by the quart, but not by the peck or bushel.*

Discounts on Packets.—It takes almost as much time and labor to record and fill an order amounting to 25 cents as one for one dollar's worth or over, consequently to induce the sending of larger orders for packet seeds we offer to send seeds in *packets only* (not by weight or measure) to the amount of 60 cents for 50 cents; to the amount of \$1.25 for \$1.00; \$2.60 for \$2.00; \$4.00 for \$3.00, or \$6.75 for \$5.00. This does not apply to seeds in bulk, nor to plants, bulbs, or anything else in our line.

BEANS—Dwarf Bush Varieties.

Ger. Bohnen.

One quart will plant one hundred feet of drill.

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



IMPROVED VALENTINE.

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 in uniformity of ripening, nearly the whole crop can be taken at one picking, usually within thirty-five days from time of planting. Per pkt. 5c, ½ pt. 15c, qt. 40c.

EARLY MOHAWK.—Very early and will stand more cold weather than most bush varieties. For this reason it is desirable for early planting. It is an old variety of established reputation. Pods five to six inches long. Per pkt. 5c, ½ pt. 12c, qt. 35c.

WARDWELL'S DWARF KIDNEY WAX.—Earlier, better, more productive than Golden Wax; rust-proof; vigorous; pods large; showy; tender and stringless. Excellent flavor and good either for snap or shell. Per pkt. 5c, ½ pt. 15c, qt. 50c.



EARLY MOHAWK.

YOSEMITE MAMMOTH WAX.—The forerunner of a race of giants amongst beans and universally conceded to be the nearest to perfection that nature has yet given us. The pods are solid pulp; absolutely stringless; the thickness of a man's finger, and 8 to 14 inches in length; they are of a rich golden yellow and cook tender and delicious. Per pkt. 10c, ½ pt. 20c, qt. 70c.

CURRIE'S RUST-PROOF GOLDEN WAX.—It is positively rust-proof. While grown side by side for several years with other Wax Beans, all of them more or less affected by rust, many of them completely ruined by it, this Bean has remained entirely free from it. Exceeding crisp and tender, and of a most delicious flavor. As early as the Golden Wax, and it is, moreover, amazingly productive. The accompanying cut is no exaggeration, but a very faithful representation of the plant as it is usually seen if properly grown. Crop very short this year. Pkt. 5c, ½ pt. 20c, qt. 60c.

GOLDEN WAX.—The most popular of any Wax Beans grown. About ten days earlier than Black Wax; pods golden yellow, tender and rich. We consider this by all odds the best of the older varieties for general use. Per pkt. 5c, ½ pt. 15c, qt. 50c.

WHITE WAX.—Pods waxy yellow, very tender. Per pkt. 5c, ½ pt. 15c, qt. 45c.

BLACK WAX.—One of the most popular varieties with all market gardeners. Pods fleshy, waxy yellow, tender. Per pkt. 5c, ½ pt. 15c, qt. 45c.

EARLY REFUGEE, or Thousand to One.—Most prolific green podded sort, thick and fleshy. Per pkt. 5c, ½ pt. 12c, qt. 35c.

LARGE WHITE MARROW.—Excellent as a shelled bean; cooks in twenty minutes. Per pkt. 5c, ½ pt. 12c, qt. 35c.

DWARF HORTICULTURAL.—This has all the good qualities of the old Horticultural Pole Bean, and is much easier to cultivate, because of being a dwarf variety. Per pkt. 5c, ½ pt. 20c, qt. 60c.

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 forty-five bushels to the acre. The beans closely resemble the White Navy. Per pkt. 5c, ½ pt. 15c, qt. 40c.



WARDWELL'S KIDNEY WAX BEAN.
HARDEST AND MOST PRODUCTIVE.



CURRIE'S RUST-PROOF GOLDEN WAX.

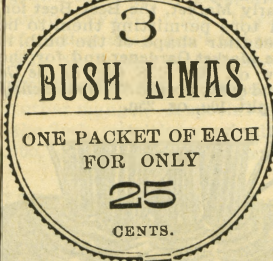
**HENDERSON'S BUSH**

LIMA—Another year adds to our high opinion of this really remarkable variety. It is worthy of all the high praise given it. It grows in compact bush form, and produces enormous crops of delicious Lima Beans, which can be as easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas, and produces a continuous crop from the time it comes into bearing (it is fit for table in this latitude by the middle of July) until frost, and being enormously productive, a very small patch will keep a family supplied with this splendid vegetable throughout the season. Pkt. 5c, ½ pt. 20c, qt. 60c.



DREER'S BUSH LIMA—A dwarf growing form of the old Dreer's Lima or Potato Lima, which was quite popular a few years ago. It is also called Kumerle's Bush Lima. Compared with the Henderson's, this Bean in its green state is fully double as large and yields abundantly. One plant sent in this year had 185 pods on. Does better on dry, sandy soil, owing to its heavy foliage. Is of the best flavor. Per pkt. 15c.

BURPEE'S BUSH LIMA—A dwarf or bush form of the true large Lima, which is of great value. There is no reason now why western farmers should not raise all the Lima Beans they require for their own use as well as for sale. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yield, each bush bearing 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature the dry shelled beans in this latitude, but you are sure of a good crop of green ones. Don't fail to try it. Per pkt. 15c, ½ pt. 75c.

**BEANS. (Pole or Running Varieties.)**

Ger. Stangen-Bohnen. One quart will plant 100 to 150 hills.

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

LAZY WIFE'S—The very best late green-podded pole bean. The pods of a medium, dark green color, broad, thick, very fleshy, and entirely stringless. The pods retain their rich, tender and stringless qualities until nearly ripe, and at all stages are unsurpassed for snap-shorts, being peculiarly luscious. Each pod contains from six to eight round white beans, which make excellent winter shell beans. They have also yielded well planted among corn. Per pkt. 10c, ½ pt. 20c, qt. 60c.

**BURPEE'S BUSH LIMA**

KING OF THE GARDEN LIMA—While the dried beans are about the same size as the common large Lima, the green beans are of unusual size. The pods are very long, and frequently contain four to six very large beans. Per pkt. 5c, ½ pt. 15c, qt. 50c.

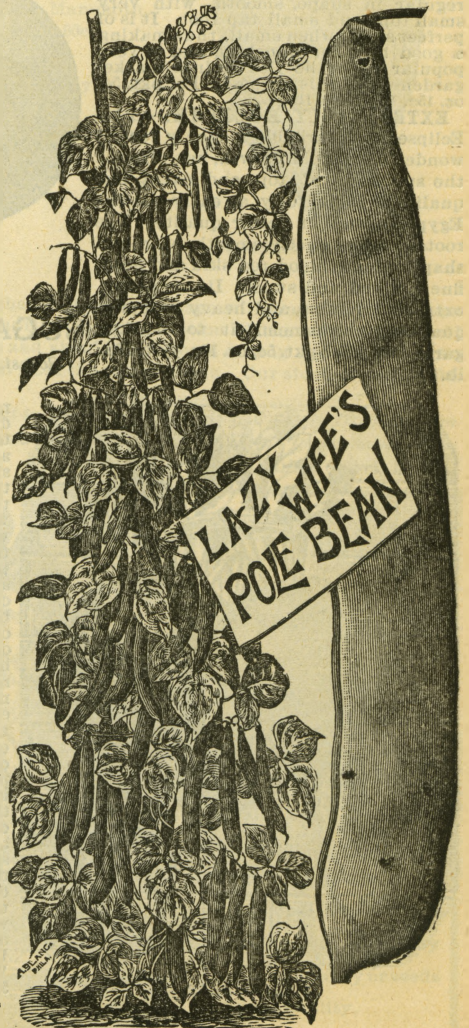
LARGE WHITE LIMA—Per pkt. 5c, ½ pt. 15c, qt. 45c.

SCARLET RUNNER—A favorite snap bean in Europe, valuable for table use, or as an ornamental vine. Per pkt. 5c, ½ pt. 20c, qt. 60c.

CUT SHORTS—The old fashioned corn-field bean, which is so popular and often so difficult to obtain. Per pkt. 5c, ½ pt. 20c, qt. 55c.

WHITE DUTCH CASE KNIFE—Good green podded variety. Per pkt. 5c, ½ pt. 15c, qt. 45c.

YARD LONG—A great curiosity, and withal a bean of excellent quality. Pods three feet long and highly ornamental. Tender and of asparagus flavor. Pkt. 10c.

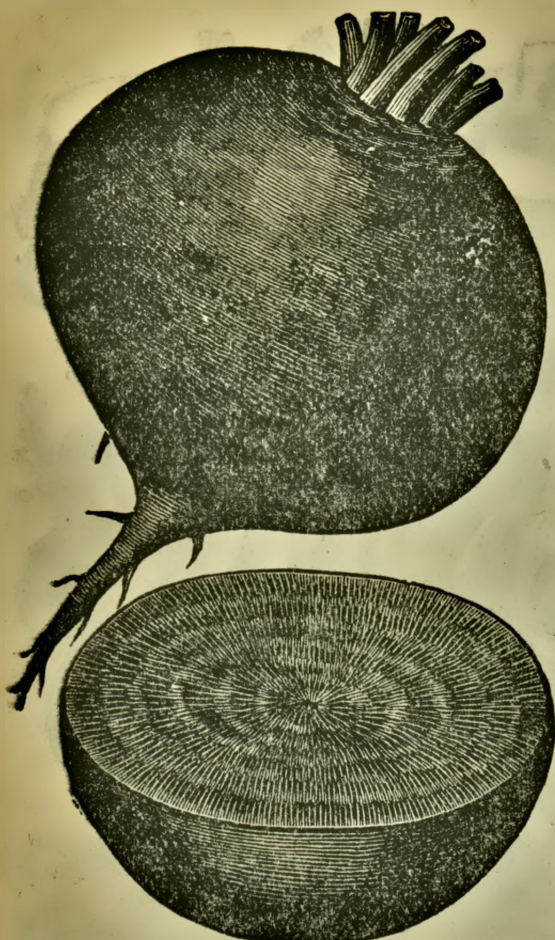


BEETS.—Ger. Runkel Rube.

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

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

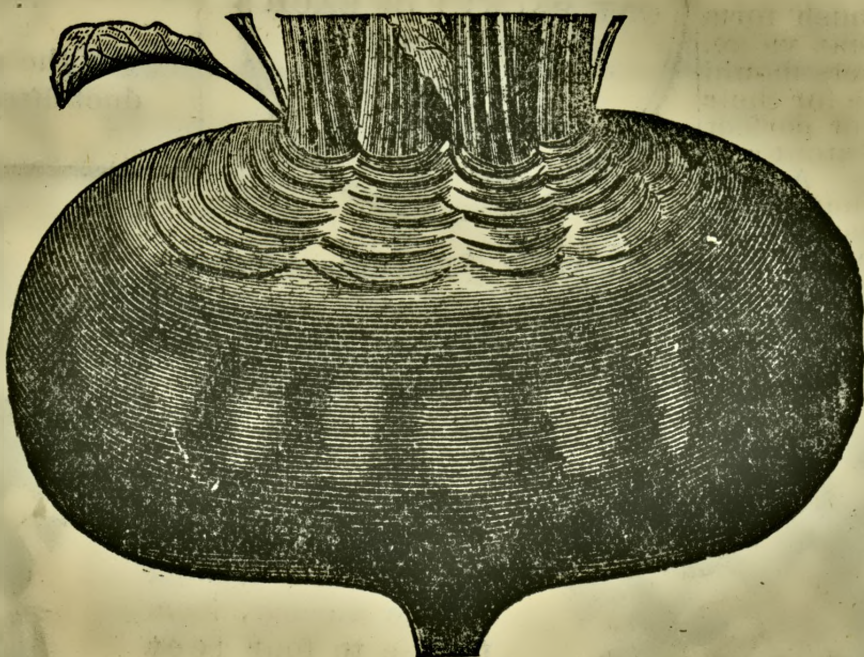
IOWA SEED CO.'S MARKET GARDENERS' BEET.—This is undoubtedly one of the best novelties ever introduced, and it receives much praise from our customers each year. Its shape is well illustrated by the accompanying engraving. As will be noticed, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soil the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for winter. By the first of October they measure eight inches in diameter and average six pounds each in weight. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color, deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the Best Beet for Early Market, the Best Beet for Winter Use. Owing to the small tops permitting them to be grown close together, and the peculiar shape of the bulb, it is the Most Profitable Beet for the Market Gardener and for the family garden of any we know of. Mr. E. S. Goff, of the Geneva Experiment Station, says: "It is a short, conical variety of large size and quick growth." Wm. Henry Maule says: "I consider it the best general purpose beet in cultivation." Per pkt. 10c, oz. 25c.



DEWING'S IMPROVED.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety of beet in existence. It was originated by Josiah Crosby, a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small, thus making a good beet for bunching and is very popular with the Des Moines market gardeners for this purpose. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

EXTRA EARLY ECLIPSE.—The Eclipse is remarkable not only for its wonderfully rapid growth, but also for the smallness of top and extra fine quality. It is fully as early as the Egyptian, and of better quality. The roots grow perfectly smooth, of round shape, intense blood-red skin and flesh, fine grained and sweet. Its small top extreme earliness, and heavy cropping qualities, recommend it to market gardeners. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.



CROSBY'S IMPROVED EGYPTIAN.

SUGAR BEETS.

Sow six pounds to the acre.

Cultivate same as mangels, except that drills should be fifteen inches apart, and beets thinned to six to eight inches in the row. Cultivate thoroughly with wheel hoe, and finger weed once, at which time they may be thinned. The soil and climate of Iowa and Nebraska are peculiarly adapted to the growing of sugar beets, and in fact there are portions of most of the central and western states where they do exceptionally well. It is the most profitable crop for western farmers where they are near a beet sugar factory, and where there is no factory they make a very cheap and most excellent feed. They are sold in many towns at \$3.00 per load for feeding cows. The general crop in Nebraska this year averaged only fifteen tons to the acre, for which \$4.00 per ton was received from the factory. By using our improved strains more than double the crop can be raised without extra cost except the hauling. Our crops of the Diamond and Vilmorin varieties were estimated at sixty to eighty tons to the acre; and after throwing out all the small, and those we considered too large, the yield was 34½ tons to the acre. In the government test they were estimated to yield 5,671 lbs. and 6,811 lbs. of sugar, respectively, to the acre, while the U. S. Government's best kind—the Klein Wauzelbaum—on the same soil yielded only 5,485 lbs. It pays to use our seeds.



ECLIPSE BEET.



VILMORIN'S IMPROVED SUGAR.—Yields the largest percentage of sugar, and is the best of the French sugar beets. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

DIAMOND SUGAR.—Grown in Germany from beets which tested 18 to 20 per cent of sugar. The best of the German varieties; shape well shown by our cut. Per pkt. 5c; oz. 10c, ¼ lb. 20c, lb. 50c.

LANE'S IMPERIAL SUGAR.—Produces a large crop of large roots, valuable for feeding stock, but have not a high percentage of sugar. Per pkt 5c, oz. 10c, ¼ lb. 15c lb. 40c.

DIAMOND SUGAR.

Any of above varieties by express, 5 lbs. or more, at 30c per lb.



EGYPTIAN TURNIP.—Very deep red, tender and delicious. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

DEWING'S IMPROVED BLOOD TURNIP.—An improvement on the old Early Blood Turnip. Shape is well shown by our illustration; deep blood red color, fine form and flavor; desirable for main crop. Good keeper. Per pkt 5 cts., oz. 10 cts., ¼ lb. 20c, lb. 60c.

BASTIAN'S EXTRA EARLY RED.—Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60 c.

EXTRA EARLY BASSANO.—Turnip-shape; flesh white, cir led with rose color; tender and juicy; keeps well when sown late. Per pkt. 5c, oz. 10c ¼ lb, 20c, lb. 50c.

EXTRA LONG DARK BLOOD. Standard winter; smooth, tender and sweet. Per pkt. 5c, oz. 10c, lb. 40c.

SWISS CHARD. For greens only. Per pkt, 5c, oz. 10c, ¼ lb. 25c, lb. 75 cts.

MANGEL BEETS.

Use four pounds of seed to an acre.

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

NEW DIGNITY MANGEL.—The Dignity stands head and shoulders above all other varieties of mangels; unequalled for yielding and feeding qualities. Grows to a very large size, weighing from thirty to fifty pounds, and will yield forty-five tons per acre with 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. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; by express—5 lbs. \$1.50, 10 lbs. \$2.75.

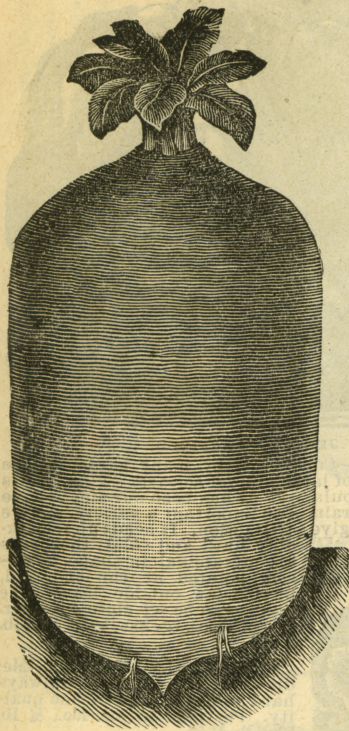
GOLDEN TANKARD MANGEL.—Contains less water and more sugar than any other mangel. A special feature is the rich, deep yellow color of the flesh, nutritious and milk-producing qualities. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c; by express—5 lbs. \$1.50, 10 lbs. \$2.75.

MAMMOTH LONG RED, or Norbiton Giant.—Roots grow to an enormous size and of very good texture. Pkt. 5c, oz. 10c, lb. 40c.

MAMMOTH LONG YELLOW MANGEL.—Similar to Mammoth Long Red, except color. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

RED GLOBE.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

NEW KINVER YELLOW GLOBE.—This splendid variety is of



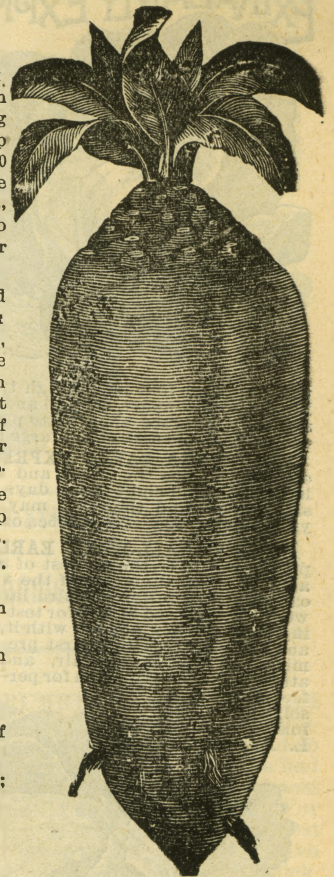
GOLDEN TANKARD MANGEL.

superb quality and an enormous cropper. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

COLLECTION OF MANGELS.—One ounce each of the above six varieties for 30c; $\frac{1}{4}$ lb. of each for 90c; 1 lb. of each for \$2.25.

The seeds we bought of you last year were good; the Ground Cherry was delicious.

JAMES BENTLEY, Boone, Iowa.



DIGNITY MANGEL.

CAULIFLOWER—Ger. Blumen-Kohl.

One ounce will produce about 3,000 plants.

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

HENDERSON'S EARLY SNOWBALL.—Throughout the country this is considered not only the earliest of all Cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit

I never have received such choice flower seeds and plants from any firm as I have from the Iowa Seed Co. We are not afraid to recommend them to our friends.

MIRANDA HADLEY, Stuart, Iowa.

and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable for market gardeners. Dr. E. L. Sturtevant says that this variety stands at the head in his test of 38 kinds, forming first head in 97 days, and above the average in size. Our stock is extra choice and cannot be excelled. Per pkt. 20c, $\frac{1}{4}$ oz. 75c, oz. \$2.50.

EXTRA EARLY DWARF ERFURT.—Valuable for forcing. A very popular variety in Europe and with Eastern gardeners. First quality. Per pkt. 15c, $\frac{1}{4}$ oz. 60c, oz. \$2.00.

EARLY PARIS.—Well known. Per pkt. 10c, oz. 50c.

LENORMAND'S.—There is considerable call in this market for a late variety of Cauliflower, and in the Lenormand's we have just what is wanted. It is of large size and produces well formed heads of excellent quality. Per pkt. 10c, oz. 75c.

CAULIFLOWER PLANTS.—See list Vegetable Plants.



HENDERSON'S EARLY SNOWBALL.

NOTICE OUR PRICES.

We have made prices on packets five cents wherever it was possible to do so and give a fair quantity. Our packets are well filled, and we do not think any one would want less than five cents worth of any kind of vegetable seeds. When dealers ask a less price they furnish only a small quantity or seeds of poor quality.

EXTRA EARLY EXPRESS**CABBAGE.**

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 which growers should be more particular about. It is of the utmost importance that you should have the best grade of cabbage seed. Each year we select the soundest and most perfect shaped heads from which to grow our seed, and save it from the center stem, as experience has proved this to be the best.

The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops, in May or June, in shallow drills, six inches apart. When

the plants are four inches high transplant into richly manured ground, the early kinds two feet apart, the fall and winter varieties three feet apart. One ounce of seed will produce about 3,000 plants. Set 8,000 to 10,000 plants to the acre of the early sorts, and 6,000 of the large late kinds.

NEW EXTRA EARLY EXPRESS.—Excels in earliness all other sorts; has the shape and appearance of Etampes, but is smaller, and eight to ten days earlier; has but a few outside leaves, and therefore may be planted very close and yield large crops. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 70c., lb. \$2.20.

BURPEE'S ALL-HEAD EARLY.—Our test the past season proved this to be the earliest of all large cabbages, being at least a week earlier than any of the various strains of early summer cabbages, and fully one-third larger. Market gardeners to whom we furnished seed of this for testing, were greatly pleased with it, and the cabbages took first premium at the State Fair, and attracted much attention for perfect shape and solidity. Originated with O. L. Allen, who

EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. It is of large size for so early a kind, and is certainly deserving of its great popularity. It has been our aim to have the very finest American grown strain of so important a variety, and we can recommend our seed as sure to give satisfaction. It heads up remarkably hard and solid; the heads are pyramidal in shape, generally pointed at the end, and, having few outside leaves, the plants can be set close together. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.50.

JERSEY WAKEFIELD.

VERY EARLY ETAMPES.—Medium-sized pointed heads, always hard and solid, and of fine quality. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

EXTRA EARLY YORK.—Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

WINNINGSTADT.—Cone-shaped summer sort; if sown late, good for fall and even winter; a sure header and good keeper. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

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. 75c., lb. \$2.50.

FINE RED PICKLING.—Deep red color, medium size, solid; unsurpassed for pickling. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.25.



has been growing cabbage seed for us for several years, 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. Set plants 18 inches apart in the row and the rows three feet apart, and 9,680 plants can be set on one acre. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$3.00.

CHASE'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. Planted the first of July, it is an excellent winter variety. Very popular with our southern customers. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.

SUREHEAD.—Very reliable in heading, of good shape and large size. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

VANDERGAW.—This new cabbage was procured at ten dollars per pound from a famous Long Island market gardener, whose name it bears. Mr. Vandergaw has been selecting this variety for many years, and has sold the seed annually to neighboring growers of cabbage, as high as \$20 per lb., and never less than \$10 per lb. The Vandergaw forms large, solid heads, much larger than Early Summer, and almost as early, while if planted later it makes excellent heads for winter. The quality is very fine, and it is remarkable for its certainty to head. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c., lb. \$2.75.

STONE MASON DRUMHEAD.—Very reliable, compact heading, fall and winter variety. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

FOTTLER'S IMPROVED BRUNSWICK.—Excellent for summer and fall use. In New England it is also largely grown for winter use, as the heads are very large and solid. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



MARKET GARDENERS.—Our Cabbage Seed will please you. Don't fail to try it. By the way—While prices named in this list are very reasonable, and in fact low, quality considered, still we issue a wholesale price list for market gardeners and others who purchase *garden seed in bulk* to the amount of \$5.00 or over. Send for it if this means you.



CONSIDER THIS.—Two or three ounces of seed will produce 6,000 to 9,000 plants, or sufficient for one acre. The sale of a few heads will make up the difference in cost between the best seed and a cheaper grade. You can't afford to run any risk, therefore buy our best seed.



FAULTLESS.

IOWA SEED CO'S SHORT STEM DRUMHEAD.—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past two or three years. And so greatly has it improved during the seven or eight years, we have had it, that in looking over our large field last summer it was almost impossible to find a head which was not solid and well formed. For sureness in heading and regularity of growth it is certainly the finest cabbage extant. It far surpasses any other strain which we have seen, ripening earlier, with very short stem or stalk, and large, thick, solid heads of silky fine quality, and of best keeping qualities. It is almost all head and always sure to head. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Your Short Stem Drumhead Cabbage did well for us this year, in spite of the dry weather.

DAN H. STEWART, Dowagiac, Mich.

FAULTLESS.—A novelty of 1892. This exceptionally fine new variety, which was introduced by us, originated with the well known C. L. Allen, who grows more cabbage seed than any other person in America, and we are fortunate in being privileged to offer it this year. In writing us about it Mr. Allen says: "It is of the Early Summer type, but far more regular and uniform in time of maturing. It is a rapid grower; have cut heads for market in forty days after the setting of the plants. It has a vigorous constitution, does not drop its leaves quickly, and is a good keeper. By sowing the seed July 1, perfectly solid heads will be formed by the time for trenching for winter." It makes a good variety for winter use. We hope every one of our customers will try at least a packet of it. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

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

ALL SEASONS.—This most excellent new variety is as early as Henderson's Summer, and makes considerably larger and harder heads. It is very reliable for heading and of superior quality. It is called "All Seasons" because it is a very superior variety to plant late as well as early, the thickness of the head making it a capital sort to keep through the winter. All should give this excellent cabbage a trial. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 80c., lb. \$2.50.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, color and weight. The result of careful and intelligent selection. It must prove to be very valuable. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Color very dark red. It will pay all gardeners to try this. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 80c.

PERFECTION DRUMHEAD SAVOY.—Heads large and very finely curled. Finest Savoy in cultivation. The Savoy should be more generally grown. They are greatly superior in flavor to the other varieties. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.

MARBLEHEAD MAMMOTH.—Largest of all; have in some instances grown to a weight of over 90 pounds, and the heads of such size that they would not go into a two-bushel basket. It is a good cabbage for exhibition at fairs when grown under a high culture, but as a rule it is too loose headed and uncertain for a main crop. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

CABBAGE PLANTS.—See list of vegetable plants.

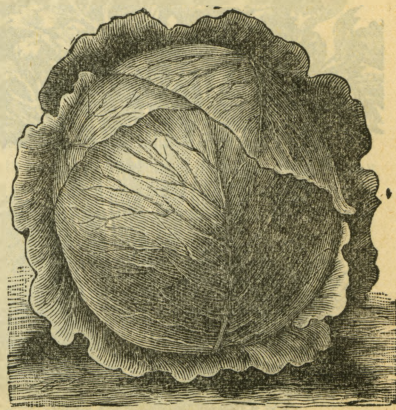
I never before found a seed house that sold larger and better seeds that gave better satisfaction than those bought of the Iowa Seed Co.

Respectfully,

GEO. L. DOANE, Brush Creek, Iowa.

The tomatoes, cabbage and onion seed we bought of you last year gave the best results of any we ever bought.

MRS. J. N. MATTHEWS, Earleville, Delaware Co., Iowa.



ALL SEASONS.



NEW PINK AROMATIC.

ering whatever, even the outer ribs assuming a yellowish-white color of a very fresh and pleasing appearance. The heart is of a beautiful golden yellow color, very large, crisp and solid, and unsurpassed in delicious quality of flavor. It is unequalled in striking appearance on the table, and decidedly the best keeper of all the Self-Blanching varieties. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$2.75.

KALAMAZOO.—A new variety most popular in the great celery region of Michigan and one of merit. Of large size, quick growth, close stiff habit, beautiful creamy white color, solid, crisp, and of delicious flavor. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb., 75c., lb. \$2.50.

GIANT PASCAL.—This is, without doubt, the most remarkable novelty in Celery obtained since the introduction of the Golden Self-Blanching, from which it is a sport, carefully established by skillful selection. The illustration shows its handsome appearance—surpassing all other varieties, except our Pink Aromatic in this respect; it grows one-fourth taller than its parent and the stalks are remarkably large, thick, solid and entirely stringless. When fully grown the outer stalks average two inches wide and nearly as thick as a man's finger and are always very crisp and brittle. It is a vigorous grower and blanches very easily, requiring only five to six days' earthing-up, when the outer stalks present a beautiful clear-white appearance. It is, without doubt, the Celery for January and February use. It is excellent for shipping, does not rust or rot, and retains its crisp, brittle appearance. Per pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



GIANT PASCAL.

WHITE PLUME.—The stalks and portions of 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 and private gardeners. We had a very choice lot of this variety of seed grown for us this year in California. It is of the highest quality and sure to please all. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

HENDERSON'S HALF DWARF.—Close habit, solid, crisp and tender. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

GOLDEN DWARF.—When blanched, the heart is of rich, golden color, excellent quality, good keeper; per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

LARGE WHITE SOLID.—Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

BOSTON MARKET.—Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb., 50c., lb. \$1.75.

DWARF CRIMSON.—Considered by some superior to the white sorts. The best of all varieties. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

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

CELERY PLANTS.—See list of vegetable plants.

SIZE OF ORDER.

Order just what you want, even if only a single packet. We believe, however, that if you look carefully through our list you will find many that you want. You can select either flower or vegetable seeds, in packets, to the amount of \$1.25 for only \$1.00.

CELERY—Ger. Seleri.

One ounce will produce about 6,000 plants.

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

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

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

Keep clear of weeds until about the middle of August, when it will be time to begin earthing up. Draw the soil up against the plants with a hoe as closely as possible, firming it enough to keep plants in an upright position.

Later in the season the blanching process must be finished by digging the soil from between the rows and banking it up clear to the tops on each side of the row of Celery. Considerable labor is saved by growing the self-blanching varieties.

PINK AROMATIC.—This splendid variety which we now offer for the first time, will, we think, eclipse all other sorts of its class in popularity as soon as it becomes known. It was originated by a private gardener in England, and the entire stock was purchased from him some three years ago. Samples of it have been out on trial, and the reports received were so enthusiastic in its praise that we know it will please all of our customers. It is of most attractive pink and white color, handsomely blended on each stalk, and makes a better appearance on the table than any other sort. It is crisp and tender and has the peculiar brittleness so desirable, while its fine, aromatic, nutty flavor, free from the slightest trace of bitterness, all serve to stamp this as the very best celery on the list. It is a very superior keeping sort for winter and early spring use. Summing it all up and we find it unsurpassed for size, solidity, crispness, nutty aroma, attractive color and keeping qualities. Blanches easily. Don't fail to try it. Per pkt. 10c., oz. 50c.

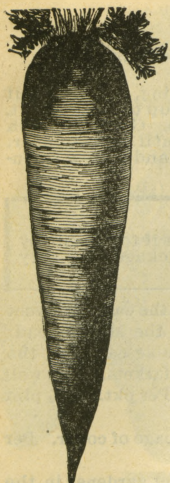
GOLDEN SELF-BLANCHING.—This comparatively new variety has fully realized all claimed for it, and is pronounced by all a great acquisition and the most profitable for market and family use. It is of a very handsome form and even growth, reaching a very large size, but very stocky and robust. The stalks grow vigorously, with large ribs, very thickly and closely set. It is entirely self-blanching, without any banking up or covering.



GOLDEN SELF-BLANCHING.

CARROT.—Ger. Mohre.

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



LONG ORANGE.

LARGE WHITE BELGIAN.—Per pkt. 5c, oz., 10c. $\frac{1}{4}$ lb. 20c, lb. 70c.

LARGE WHITE VOSGES.—A grand new variety. The root is large, thick at the shoulder, and short, making it easily harvested. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

POP-CORN.

It pays to raise pop-corn as a general crop. It is a sure crop, and the demand always 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 main crop the Monarch White Rice will bring the best price per pound as it is better known among poppers. Let the children try a small patch anyway and for home use don't fail to try the Striped Rice.

PAGE'S NEW STRIPED RICE.—This splendid variety, which is the result of a cross between the best White and Red varieties of Rice Pop Corn, we have been at work improving for several years, until now we have undoubtedly the best, handsomest and most attractive variety of pop-corn in existence. "Beautiful." "Splendid." "It takes the cake," is what our customers say of it. 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 extremely tender when popped, bursting out very large, white as snow, and of finest quality. All should try it. Per large pkt. 10c, $\frac{1}{2}$ pt. 25c, qt. 65c.

MONARCH WHITE RICE.—The best white variety grow It bears from three to six ears per stalk, weighs 36 pounds per bushel of ears when dry, and produces 1,500 to 2,400 pounds per acre. It will pay you to try it. Per pkt., 5c; $\frac{1}{2}$ pt., 15c; qt., 50c.

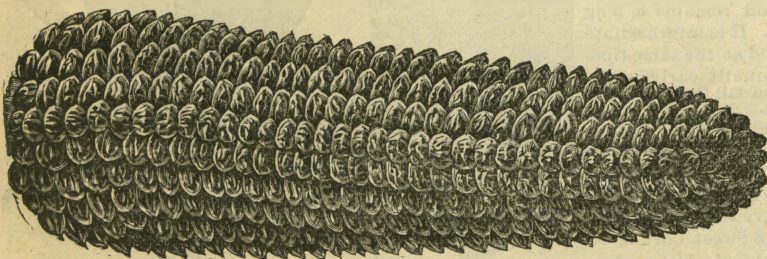
FINE WHITE RICE.—A standard variety which always brings the best price in the market. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 45c.

MAPLEDALE PROLIFIC POP-CORN.—The most productive pop-corn, averaging 8 to 12 good ears to the stalk. As many as 19 ears having been taken from a single stalk. Ears uniformly large. Pops to a large size and very tender. Per pkt. 5c, $\frac{1}{2}$ pt. 15c, qt. 50c.

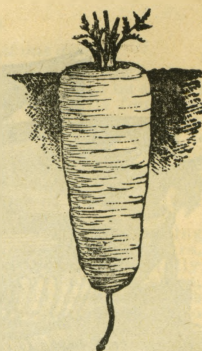
QUEEN'S GOLDEN.—Color, a peculiar lustrous, golden yellow, and when popped of a rich cream color. Very prolific. Try it. Per pkt 5c, $\frac{1}{2}$ pt. 14c, qt. 50c.

The American Banner Larkspur is far ahead of anything I ever saw. It is a free bloomer, a thrifty grower, and is true to name.

E. A. GARDINER, Fonda, N. Y.



PAGE'S NEW STRIPED RICH POP-CORN.



DANVERS.

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

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

EARLY FRENCH FORCING.—The earliest variety; valuable for forcing; excellent quality. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

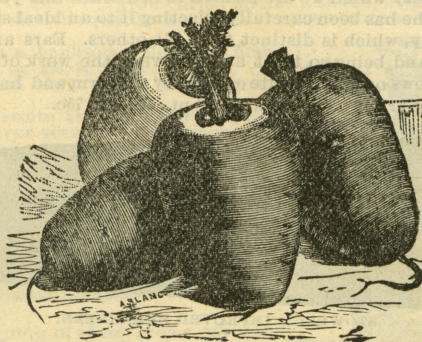
EARLY HORN.—Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

DANVERS.—It is in form about midway between the Long Orange and the Short Horn class, growing generally with a stump root. It is claimed that this variety will yield the greatest bulk with the smallest length of root of any now grown. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

NEW HALF-LONG CORELESS, or Caranton.—A new, very early variety without core. Skin smooth, flesh fine grained, rich colored, and of excellent flavor for table use. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

OXHEART, or Half-Long Guerande.—This new French Carrot is one of the most valuable of all recent introductions. It is an intermediate between the Half-Long and Horn varieties, attaining a diameter of three to four inches at the neck, and of most beautiful shape and rich orange color. Specimens have been grown measuring over seven inches across and only about the same length. Where other varieties require digging it is easily pulled. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

IMPROVED LONG ORANGE.—The standard sort for field culture, and very desirable for table use; roots large and of good quality. Our strain of this is extra choice and customers will be much pleased with them for feeding cows. Per pkt. 5c, oz., 10c, $\frac{1}{4}$ lb. 20c, lb. 70c.



OXHEART, OR GUERANDE.

HERBS.

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

Anise.—Annual. Per pkt. 5c, oz. 10c.

Balm.—Perennial. Per pkt. 5c, oz. 30c.

Basil, Sweet.—Annual. Per pkt. 5c, oz. 20c.

Borage.—Annual. Per pkt. 5c, oz. 15c.

Caraway.—Perennial. Per pkt. 5c, oz. 10c.

Catnip.—Perennial. Per pkt. 10c, oz. 50c.

Castor Oil Plant.—Annual. Per pkt. 5c, oz. 10c.

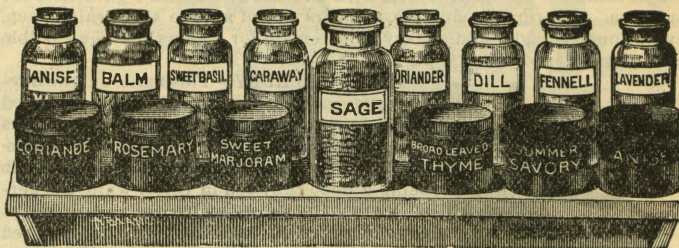
Coriander.—Annual. Per pkt. 5c, oz. 10c.

Dandelion.—Perennial. Per pkt. 5c, oz. 30c.

Dill.—Annual. Per pkt. 5c, oz. 15c.

Fennel.—Perennial. Per pkt. 5c, oz. 15c.

Horehound.—Perennial. Per pkt. 5c, oz. 30c.



Hyssop.—Perennial. Per pkt. 5c, oz. 30c.

Lavender.—Perennial. Per pkt. 5c, oz. 25c.

Marjoram, Sweet.—Perennial. Per pkt. 5c, oz. 30c.

Opium Poppy.—Annual. Per pkt. 5c, oz. 30c.

Rosemary.—Perennial. Per pkt. 10c, oz. 45c.

Rue.—Perennial. Per pkt. 5c, oz. 30c.

Saffron.—Annual. Per pkt. 5c, oz. 15c.

Sage.—This hardy perennial is used more than any other for flavoring and dressing. Should be in every garden. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

Savory, Summer.—Annual. Per pkt. 5c, oz. 20c.

Thyme, Broad-Leaved.—Perennial. Per pkt. 5c, oz. 40c.

Tansy.—Perennial. Per pkt. 10c, oz. 50c.

Wormwood.—Perennial. Per pkt. 5c, oz. 30c.

Mixed Varieties.—A mixture of all the above; nice garden assortment. Per pkt. 5c, oz. 25c.

SWEET CORN.

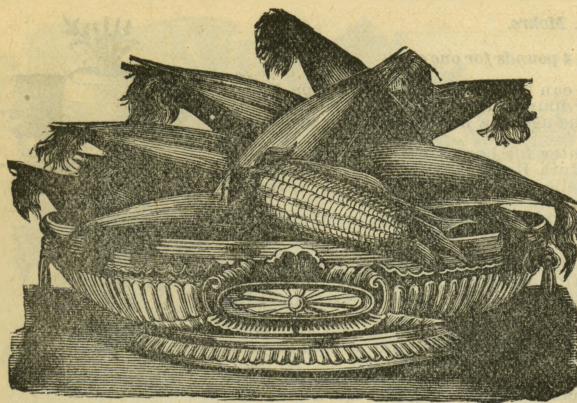
One quart will plant 200 hills; one peck will plant one acre in hills.

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

WE PAY THE POSTAGE

on corn at these prices. Deduct 10 cents on each quart if to be sent by express. Pints at half quart prices. The half pint packages are very desirable for small families.

EXTRA EARLY CORY.—This variety is undoubtedly the earliest Sweet Corn in cultivation, being about one week earlier than the Marblehead. It grows a larger kernel and a larger and more marketable ear than the Marblehead, and has supplanted that variety in our markets. It is well worth trial and has but to be tested to be appreciated. Per pkt., 5c, ½ pt. 15c, qt., 40c.

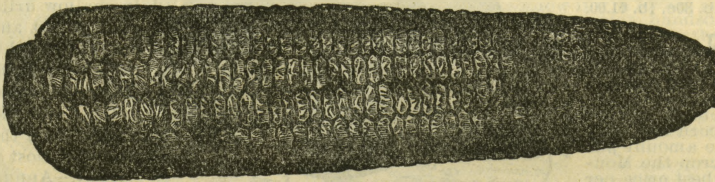


NEW CHAMPION EARLY.

NEW CHAMPION EARLY.—Without doubt the earliest large corn ever introduced. See description on second page of cover. Per pkt., 10c; ½ pt., 20c; qt., 50c.

EARLY SUNRISE.—This splendid new variety which we are pleased to introduce this year, originated with a market gardener in the western part of this State, and for eight years he has been carefully 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. Ears are about six inches long and well filled out at the end, the husk covering so completely and being so tight as to prevent the work of worms, which are so bad on the Cory. The grains are fairly deep and are set in straight rows on small white cobs, very uniform and handsome. Is quite productive and of as good flavor as any corn we ever tasted. Don't fail to try it. Per pkt., 10c. ½ pt., 25c, qt., 75c.

PERRY'S HYBRID.—Large early twelve rowed Sweet Corn, which was with us only eight days later than the Cory, and the yield was more than double. It does not waste any time making stalks, its object is for ears, large ones and plenty of them in the shortest possible length of time. Per pkt., 5c; ½ pt., 12c; qt., 40c.



STOWELL'S IMPROVED EVERGREEN.

EARLY MINNESOTA.—The standard early corn; ears fair size and uniform, and very sweet. Per pkt., 5c; ½ pt., 10c; qt., 30c.

CROSBY'S EARLY.—A standard medium early variety. Per pkt., 5c; ½ pt., 10c; qt., 30c.

SHOE PEG.—This very excellent new and distinct variety originated at Bordentown, N. J., in which market it was considered the sweetest and choicest sort grown, selling at double the prices of all other varieties. It has the deepest grain and smallest cob of any known variety. The stalks are of a medium height, without suckers, joints short, and sometimes yield as many as five ears well filled out. The kernel is small, very long and white, which gives it its name, exceedingly tender, sweet and of a rich juicy flavor that is not equalled by any other sort. In maturing it is medium late. Per pkt., 5c; ½ pt., 15c; qt., 50c.

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. Per pkt., 5c; ½ pt., 10c; qt., 35c.

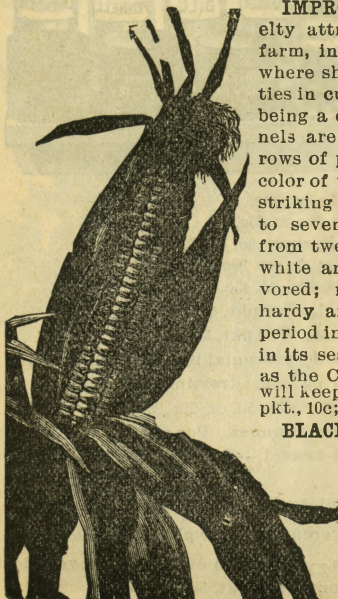
STOWELL'S EVERGREEN.—This is more largely planted than any other, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of a large size, grains deep, exceptionally tender and sugary, and remain for a long time in an edible condition. Per pkt.,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

IMPROVED RUBY.—This most unique novelty attracted great attention on our seed farm, in our store, and at the various fairs where shown. It differs from all other varieties in cultivation. The stalks, husk and cob being a deep ruby red in color, while the kernels are of a snowy whiteness and look like rows of pearls in contrast with the deep red color of the husks, the effect of which is very striking and beautiful. Stalks grow from six to seven feet high; ears, eight inches long, from twelve to eighteen rowed; kernels, pure white and very tender, sweet and well flavored; not excelled by any other variety; hardy and productive, and remains a long period in condition for use. It is intermediate in its season, and if planted at the same time as the Crosby, or other equally early kinds, will keep the table supplied till October. Per pkt., 10c; ½ pt., 20c; qt., 60c.

BLACK MEXICAN.—A black-grained variety; one of the sweetest of all kinds. Per pkt., 5c; ½ pt., 12c; qt., 40c.

EGYPTIAN SWEET.—Very prolific and by all who have tried it, believed to be the best late Sweet Corn in cultivation. Pkt., 5c; ½ pt., 12c; qt. 35c.

SWEETCORN FOR FODDER.—We can furnish either early or late. Per qt., 25c.



IMPROVED RUBY.



EARLY SUNRISE.

CUCUMBER—Ger. Gurke.

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

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hot beds, 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 vines with plaster or air-slacked lime, to protect from bugs. Slug Shot will kill the bugs. We are the largest growers of cucumber seed in this part of the country.

EARLY CLUSTER.—Grows in clusters, productive and of good quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WESTERFIELD'S IMPROVED CHICAGO PICKLE.—Mr. Westerfield, having been engaged in growing pickles for Chicago pickle factories for many years, and also in supplying them with seed for other growers, has watched carefully and selected his seed stock from the 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 pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

NICHOLS' MEDIUM GREEN.—A new variety, which is the result of careful selection. Fruit of medium length, nearly cylindrical, very uniform in shape, and of good color when young. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

EARLY FRAME, or Short Green.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GREEN PROLIFIC.—One of the best pickling sorts. Immensely productive. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

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. 25c, lb. 75c.

SNAKE.—A remarkable and very interesting curiosity. The cucumbers grow curled up like a snake, with the head protruding, and sometimes are six

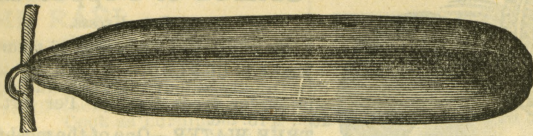
IMPROVED CHICAGO PICKLE.

feet in length; and although they attain great size, the quality is only fair; grown more as a curiosity than anything else, and to exhibit at fairs. Packets only, 10c.

WEST INDIA GHERKIN, or Burr.—Makes a handsome pickle of first-class quality. Be sure and try it. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

IMPROVED LONG GREEN.—Old standard sort, crisp, tender, good flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

NEW ASTRO.—A rare novelty, sure to excite the curiosity of your neighbors. It is the largest variety we have ever seen. With common outdoor culture growing fifteen to eighteen inches in length, with very few seeds. Excellent for slicing. Flesh white and very crisp. One Des Moines



market gardener made more money out of a crop of these, grown early in his hot-beds last year, than from any other crop. They sell quickly at \$1.00 per dozen. In packets only. Per pkt. 10c; six for 50c.

NEW JAPANESE CLIMBING.—This may be described as the *sensational novelty of Europe* the past season. The seed was originally brought from Japan about four years ago, and has proven thoroughly adapted to open-air culture throughout Europe, and also as far as tested, in 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 clings so tightly, that it is not prostrated by heavy storms of wind or rain. It comes into bearing quickly and continues to set the fruits abundantly throughout the season, while the climbing habit of growth enables the hanging fruit to grow perfectly straight; of large size, from twelve to sixteen inches in length, the cucumbers are thick, exceedingly tender, and of delicate flavor; of cylindrical shape, flesh pure white, skin dark green, turning to brown and netted when ripe. They are of excellent quality for slicing, and when young make attract ve pickles. Per pkt. 10c.

IOWA SEED CO'S PERFECT WHITE SPINE.—We are proud of our Perfect White Spine Cucumber, and well we may be, as prominent horticulturists and experienced market gardeners pronounce it to be undoubtedly the best strain in existence. For thirteen years we have been growing and improving this variety on our seed farm, and as a result, we offer to our customers this improved strain, which has been pronounced by good judges as superior to either the Peerless or Arlington. The fruit is of even and good size, straight, and always well formed and symmetrical. When small it is deep green in color and of uniform shape, making it unexcelled for pickling. When of usual size for slicing it still holds its beautiful green color, shading to light green at blossom end. As it matures it turns to a clear, beautiful white, very handsome and showy for market. Immensely pro-



JAPANESE CLIMBING.

ductive. Keeps longer solid and crisp than any other variety we know of. Outyields any other variety for pickles. Is becoming so popular that we received orders for several thousand pounds from other seedsmen this year. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

I was much pleased with seeds bought of your firm, especially the Cucumbers. I planted two small papers of seeds, and raised a barrel of pickles. J. A. PEACOCK, Ross, Iowa.

I have patronized your firm for the past five years, and have had good success with all the seeds. Will say the Jersey Wakefield and Flat Dutch Cabbage are the best I ever grew, and I found your Perfect White Spine Cucumber perfect. RACHEL NEITDERHSAR, Ely, Iowa.

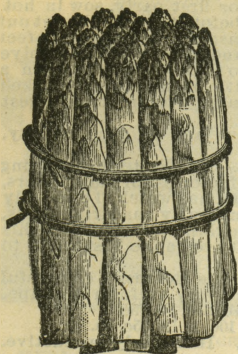
Seeds purchased of you gave good satisfaction. J. O. CUMMINGS, Hagerty, Iowa.



Perfect White Spine, from a Photograph taken on our Adair County Seed Farm

ASPARAGUS.—*Ger. Spargel.*

One ounce will sow forty feet of drill.



PALMETTO.

PALMETTO.—Beyond question the largest and finest Asparagus ever sent out. Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Its tenderness is ensured by its remarkably rapid growth and remaining in good condition several days after being ready for cutting. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

CONOVER'S COLOSSAL.—The standard variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., $\frac{1}{2}$ lb. 45c.

"HUB," OR MOORE'S HYBRID.—Remarkably uniform and very large, very tender and rich in flavor. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

ARTICHOKE.—*Ger. Artischoke.*

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

FRENCH GREEN GLOBE.—Per pkt. 5c., oz. 25c.

ARTICHOKE ROOTS.—See miscellaneous list.

BROCCOLI.—*Ger. Broccoli.*

One ounce will produce about 3,000 plants.

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

EARLY PURPLE CAPE.—A popular sort; heads well and is very hardy. Per pkt. 5c., oz. 40c.

EARLY LARGE WHITE.—Per pkt. 5c., oz. 40c.

BRUSSELS SPROUTS.

Ger. Spresen-Kohl.

One ounce will produce about 3,000 plants.



BRUSSELS SPROUTS.

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. Per pkt. 5c., oz. 20c.

CHERVIL.—*Ger. Gartenkeibel.*

One ounce will sow 100 feet of drill.

CURLED.—Leaves used in soups and salads. Cultivated like parsley. Per pkt. 5c., oz. 20c.

CHICORY.—*Ger. Cichorie.*

One ounce will sow about 15 square feet.

LARGE ROOTED.—Used as a substitute for coffee. Cultivate as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c.

COLLARDS.—*Ger. Blatter-Kohl.*

One ounce will produce about 3,000 plants.

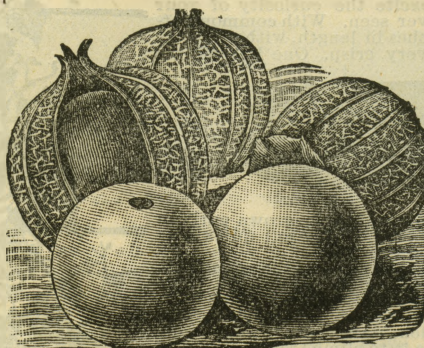
GEORGIA.—Sow seed in May; transplant and treat as cabbage. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

CORN SALAD or Fetticus.

Ger. Lammersalat.

One ounce will sow about 20 square feet.

A delicious winter salad. Sow early in September in drills, quarter of an inch deep and six inches apart. Just before cold weather cover with straw or leaves. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c.

IOWA SEED CO'S.**IMPROVED GROUND CHERRY.**

GROUND CHERRY.

Another year adds only to the popularity of this already very 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! such delicious fruit. For sauce they are excellent, and for pies nothing can equal them in flavor and taste. They are delicious as preserves, and when dried in sugar are much better than raisins for cakes and puddings, and they will keep if put in a cool place in the shuck, nearly all winter. No one after raising them once will ever make a garden again without devoting a small portion at least to the Ground Cherry. Per pkt. 5c., $\frac{1}{2}$ oz. 25c., oz. 40c.

CELERIAC.

OR TURNIP-ROOTED CELERY.—Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and marrow-like. The roots are cooked and sliced; used with vinegar, they make an excellent salad. They are also used for seasoning meats and for flavor soups. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., per lb. \$1.70.

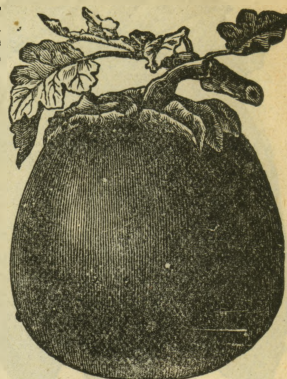
PURPLE HUSK TOMATO.

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 Ground Cherry. Per pkt. 10c.

EGG PLANT.—*Ger. Eierpflanze.*

One ounce will produce about 1,000 plants.

A tender plant, which should be started quite early in a hot-bed or box in the house, which must be kept warm. Late in the spring transplant to open ground 2 $\frac{1}{2}$ feet apart each way in warm, rich soil. Soon as weather becomes warm they are thrifty and easily grown. They are a decided luxury, which everyone should grow.



IMPROVED N. Y. EGG PLANT.

EARLY LONG PURPLE.—Hardy and productive, six to eight inches long. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 90c.

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. See cut. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.25.

CRESS or Pepper Grass.

Ger. Kresse.

One ounce will sow about 16 square feet.

EARLY CURLED.—A well known salad. Sow thickly and at intervals during the season; cover seeds lightly. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c.

TRUE WATER.—One of the most delicious of small salads. Will only grow where its roots are covered with water. Sow the seeds along the border of running water and cover lightly. Per pkt. 5c., oz. 25c.

UPLAND.—Can be grown on high, dry ground, and has the identical flavor of the Water Cress. In packages only, each 10c.

ENDIVE.—*Ger. Endivien.*

One ounce will sow 60 square feet.

One of the best and most wholesome salads for fall and winter use. Sow early and thin, cover slightly. Soon as large enough thin to nine inches apart. When leaves are eight inches long tie them together with string near the top to blanch. This must be done when quite dry. Before cold weather, take up for winter, being careful to leave a small amount of dirt around the roots.

EXTRA CURLED.—Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c.

Your pansy and pink seeds proved to be excellent for me.

MRS. SAMUEL KUHN.
Horsington, Kas.



TURNIP-ROOTED CELERY.

IOWA SEED CO'S NEW



Introduced by us and it has been highly praised wherever tried. It resembles the Vine Peach in manner of growth, but is distinct in that the unripe fruit is striped with very dark green, nearly black, while the Vine Peach is plain green, and when ripe is not russeted like the Vine Peach. Fruit is of shape shown in our engraving, and is somewhat smaller than Vine Peach, has thinner flesh, and is most decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Cultivate like musk-melon, in hills three feet apart each way. Full directions for cooking in various manners accompany each packet. Per pkt. 5c, oz. 20c.

KOHL RABI.—*Ger. Kohlrabi.*

One ounce will sow a 200 foot drill.

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



EARLY WHITE VIENNA—Flesh white and tender; best market sort. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.

EARLY PURPLE VIENNA—Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.

LEEK.—*Ger. Lauch.*

One ounce will sow one hundred feet of drill.

Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it.

LONDON FLAG.—Very hardy. Per pkt. 5c, oz. 10c, ¼ lb. 35c.

LARGE ROUEN.—Largest and most uniform of all. Per pkt. 5c, oz. 20c, ¼ lb. 60c.



WHITE VELVET OKRA.

GOURDS.

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

JAPANESE NEST-EGG—Grows almost uniformly to the size, color and shape of a hen's egg, although some vary in size from a pigeon's egg up to a goose egg and so exactly like an egg do they appear as to almost deceive any one. The shells are hard and durable, and make the very best nest eggs, as they do not crack. The largest ones, when sawed in two, make excellent pots for starting tomato, strawberry and other plants. The Nest-Egg Gourd is a rapid and desirable climber; quickly covering old sheds or any unsightly object with a mass of green foliage, thickly dotted with beautiful white eggs. Pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

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. Per pkt. 5c, oz. 20c.

SUGAR TROUGH—Very convenient for buckets, baskets, nest boxes, etc.,. Sometimes grow so large as to hold ten gallons each. Per pkt. 5c, oz. 20c.

LUFFA, or DISH CLOTH—The peculiar lining of this fruit, which is sponge-like, porous, tough, elastic and durable, makes a natural dish-cloth. The fruit grows about two feet in length, and the vine is very ornamental, producing large clusters of yellow blossoms, in pleasing contrast with the silvery-shaded, dark green foliage. For the bath, and for the toilet in general, the "Dish-Rag Gourd" is taking the place of the sponge. It is, in fact, a sponge, soft brush and a bath glove combined, and is almost indestructible. The seed should be started in a hot-bed or in the house. Per pkt. 10c, oz. 50c.

MIXED UTILITY GOURDS

—Seeds of the four above varieties mixed together. Per pkt. 5c, oz. 25c.

OKRA, or GUMBO.

—*Ger. Essberra Hibiscus.*

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 two inches deep, leaving the plants from two to three feet apart.

DWARF WHITE VELVET

—This new variety is well shown by our cut. Pods are round, smooth and of an attractive white velvety appearance, very tender and of superior flavor. Plants are dwarf and produce the pods in great abundance. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.

KALE or BORECOLE

—*Ger. Blatter-Kohl.*

One ounce will produce about 3,000 plants.

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

DWARF GERMAN GREEN—Best for winter greens. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.

TALL CURLED SCOTCH—Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.



MUSTARD.

—*Ger. Senf.*

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—This mustard is very highly esteemed in the South, where the seed is sown in the fall, and the plants used very early in spring as salad. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WHITE ENGLISH, or London—Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

NEW CHINESE GOLDEN

—An entirely new variety, quite different from the rank, over-grown, green-leaved variety called Chinese Mustard in some other seed dealers catalogues. Our New Chinese Golden forms a compact, bushy plant. Leaves very thick, finely curled, and of a bright golden yellow color, very slow to go to seed; has no rank, strong flavor like other kinds, and pronounced by all who have tried it the best of greens. Per pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.25.





LETTUCE—*Ger. Lattich.*

One ounce will sow 120 feet of drill.

Probably no vegetable is more universally used than Lettuce, and to be fully appreciated it must be brought to the table fresh and unwilted. As it requires but little room, and is of the easiest 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-beds in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand 10 to 12 inches apart in the rows.

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



TOMHANNOCK.

very crisp and 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. C. C. Morse & Co., Seed Growers, say: "It is the best novelty ever sent to us, and tried in our trial grounds, together with 95 other varieties of Lettuce, we find it to be the best." Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

GRAND RAPIDS.—As many as fifty large greenhouses at Grand Rapids, Michigan, are devoted to forcing this lettuce in winter; the growers have distanced all competitors, and obtained the highest prices in the markets of all the cities to which they have shipped. Of superior quality and beautiful appearance the Grand Rapids Lettuce is 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 early spring sowing in the open ground. The engraving is from a photograph. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c.

CALIFORNIA CREAM BUTTER.—A new variety of Cabbage Lettuce, with round solid heads, as shown in the illustration; outside the heads are of a 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. The heads are so solid that generally, they have to be cut before any seed stalk can make its appearance. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

EARLY CURLED SIMPSON.—An improved variety of the Curled Silesia, with large, loose heads and excellent flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ 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., $\frac{1}{4}$ lb., 35c., lb. \$1.20.



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 strains 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., $\frac{1}{4}$ lb. 40c., lb. \$1.20.

TOMHANNOCK.—Forms a beautiful plant, 10 to 12 inches high by 9 to 10 inches across. The leaves grow upright, the upper part of the outer leaves turn outward gracefully, and are of a glossy, reddish bronze, quite ornamental. The leaves are almost white, very tender and crisp; it does not head. Grows quickly and remains for weeks of the finest quality; slow to run to seed. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 45c., lb. \$1.60.

SALAMANDER.—Withstands the heat and drouth admirably, and is very slow in running to seed. Forms immense heads, 12 to 14 inches in diameter. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c.

GREEN FRINGED.—Edges beautifully cut and fringed. A good selling variety. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

PRIZE HEAD.—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c.

MIXED VARIETIES.—Seed of about twenty early, medium and late sorts mixed together, thus giving lettuce for the table during the entire season and giving an opportunity to examine all the leading varieties with but little expense. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

OAK LEAVED.—Has oak-shaped leaves, the broader part set to stem and pointed at the tip, thus giving it a very unique, handsome and attractive appearance. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 45c.

OLD LETTUCE SEED.—For birds. Per lb. 30c.



EARLY PRIZE HEAD.

\$1.00
BUYS
SEEDS
IN
Packets
OR
Ounces
TO THE
AMOUNT
OF
\$1.25.



NEW GRAND RAPIDS.

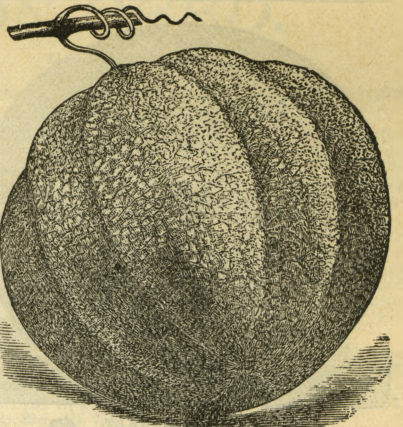


One ounce will plant about 80 hills—two pounds to the acre.

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 vine, thin out, leaving only four of the most thrifty. As Melons are very sensitive to cold, they should not be planted till the settled warm weather 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 seeds.

IOWA SEED CO.'S IMPROVED GREEN NUTMEG.—See description on second page of cover, and be sure to try it. Crop of seed was very short this year. Per pkt. 10c., oz. 25c.



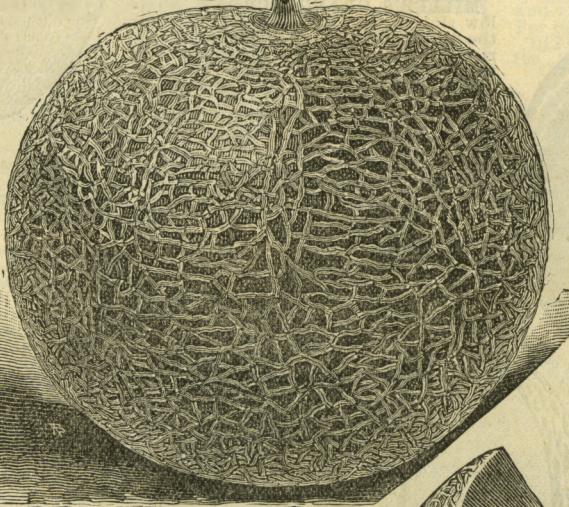
I. S. CO.'S IMPROVED GREEN NUTMEG.

THE PRINCESS.—This splendid variety is nearly round, with heavily netted dark green skin; the flesh is of a rich salmon color, and in flavor is sweet and luscious beyond description. They ripen early and grow to good size, frequently weighing eight to ten pounds each. This is a grand new variety which it will pay you to try. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

OSAGE.—This new variety has created quite a stir in Chicago, where it sells at double the prices of any other variety. The skin is thin, of dark green color, and slightly netted. The flesh is of a salmon color, remarkably sweet and spicy in flavor, extremely thick, and delicious to the rind. The seed cavity is very small. All lovers of fine melons should try the Osage. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

I bought some seeds of you last year. Everything came all right. They were as good, if not better, than represented. Out of six hills of Fordhook Squash I got 126 squashes. Guernsey Parsnip can not be beat.—Mrs. E. C. Rowell, Ruthven, Iowa.

The vegetable seeds bought of you last year were fine, especially the Golden Heart Celery.—R. T. Kirk, New Sharon, Iowa.



THE BANQUET.

"How can I raise good Musk Melons?" can now be answered. Plant the Banquet. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.25.

IMPROVED CANTALOUPE.—Large size, flesh light green, delicious flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

MONTREAL MARKET.—Uniformly of large size, averaging from fifteen to twenty pounds in weight. Flesh very thick and of fine flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

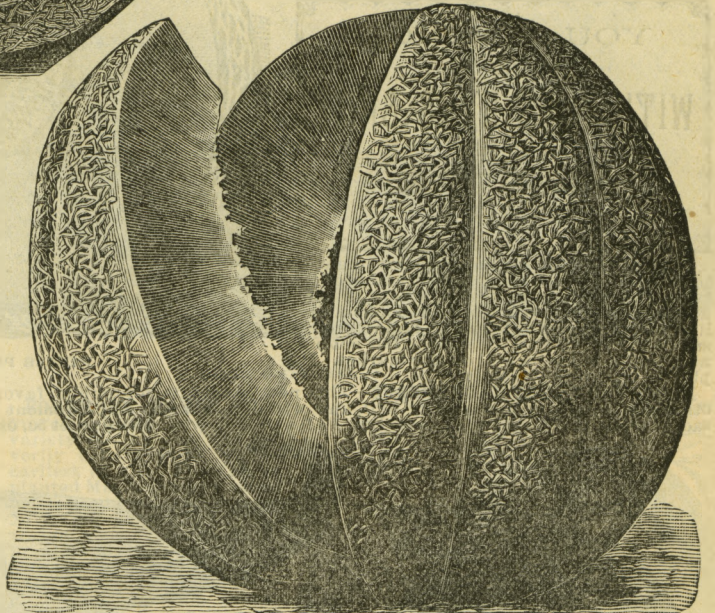
PERFECTION.—Rich color and luscious flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

IOWA MASTODON.—The most extraordinary new variety which has been offered for many years and will create a sensation wherever seen—and we are the only seed dealers who can offer it this year. It is from Japan, and just a few seeds were sent over to a friend in this country. This friend knew of our interest in novelties and brought in specimens of the melon. One weighed 23 $\frac{1}{2}$ pounds and the other 25 pounds. We at once secured the entire crop, although but a few vines. The melons are all of monstrous size and exactly resemble the common Yankee Field Pumpkin, so nearly, in fact, as to even deceive us at first sight. The flesh is a clear creamy white and fully three and one-half inches thick, and of excellent flavor. The flesh is tender and sweet way up to the rind, which is thin and tough. The discovery of this new variety marks an epoch in melon culture in this country. The seeds are different and larger than any othersort. We have such a small quantity that this year we can only offer them in packets of ten seeds each at 25 cents per packet. Not more than one packet will be sold to any customer, as we know our supply will be exhausted long before the season is over, and we desire to have as many of our customers try them as possible.

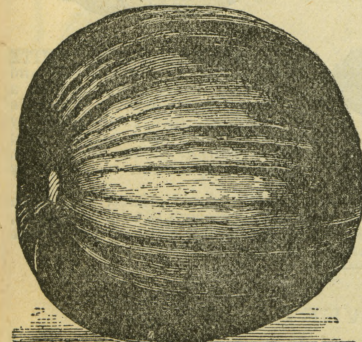
Your Alaska Peas are the best I can get, being an early variety and a good yielder.—Mrs. Nettie Coe, Fansler, Iowa.

The All-Seasons Radish is the best we ever ate.—Mrs. Mary E. Burk, Boone, Iowa.

The Blood Turnip Beets raised from seed bought of you were very fine ones.—Wm. G. Warnock, Geneseo, Ill.



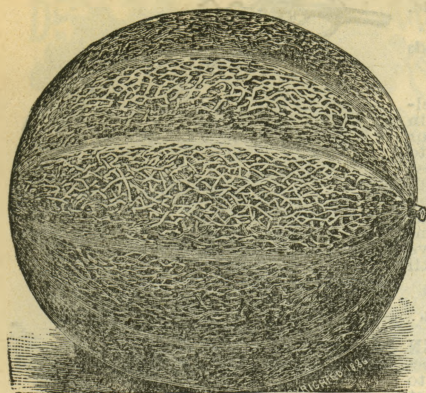
OSAGE.



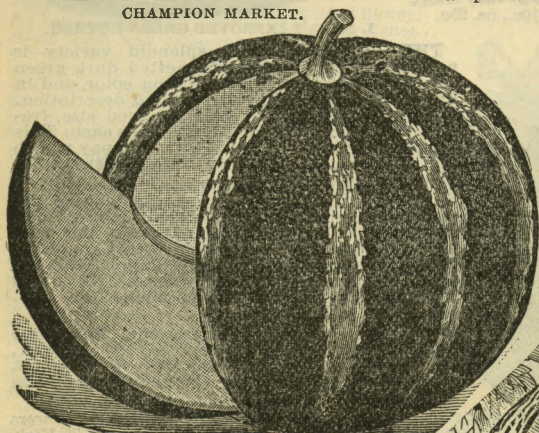
IOWA MASTODON.

Wardwell's Kidney Wax Bean stands at the head of any variety we have ever grown. The Lettuce seed was the best I ever bought anywhere.—Mrs. L. S. Hutchison, Lake City, Iowa.

The American Wonder Pea is the best all-season pea I have ever grown. All seeds bought of you did well.—Geo. D. Roberts, Perry, Iowa.



CHAMPION MARKET.



EMERALD GEM.

YOU CAN PICK
FROM THIS LIST
WITH YOUR EYES SHUT
AND GET
A GOOD THING
EVERY TIME.

BANANA—Attains a length of from eighteen inches to three feet three inches, and are from two to four inches thick. Flesh very thick, of a salmon color; flavor good. It looks almost like an overgrown banana, and moreover smells like one, hence the name. It is not only a curiosity, but sells well on the market. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. \$1.00.

IMPROVED EARLY HACKENSACK—This new candidate for public favor holds its size, rich flavor and other good qualities remarkably well, and withal is a great improvement on the Turk's Cap or Hackensack, in that it is fully ten days earlier. All should try it. Per packet 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



POMEGRANATE MELON.

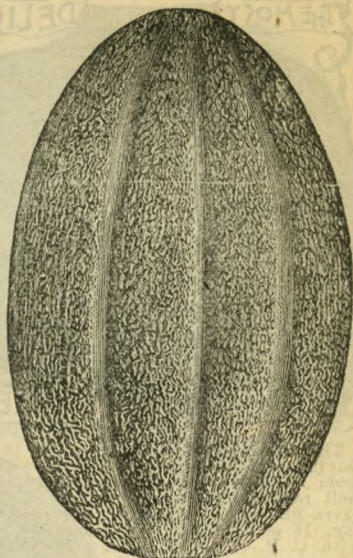
CHAMPION MARKET—A superb variety destined to become very popular. Almost a perfect globe in shape and densely netted, making it one of the handsomest canteloupes known. Flesh is thick, light green color, and rich, sweet flavor. Very productive. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

BAY VIEW—This variety is one of the largest, most prolific, best flavored and finest melons in cultivation. In flavor it is luscious, sweet and deliciously rich. It has been grown to weigh from fifteen to twenty pounds and from fifteen to eighteen inches long. It is hardy, vigorous, and continues a long time in bearing. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 80c.

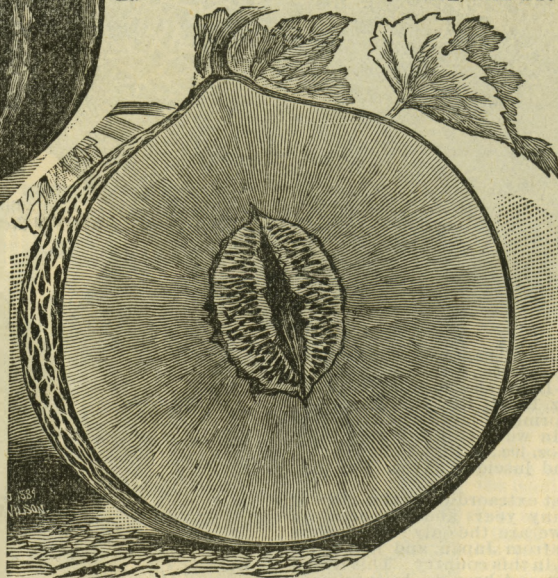
EMERALD GEM—This is one of the most delicious melons we have ever eaten. The melons are of medium size, and of a deep emerald green color. The flesh, which is thicker than in any other melon of the same size, is of a suffused salmon color, almost red, and ripens thoroughly to the extremely thin green rind. It is peculiarly crystalline in appearance, and so very juicy and rich that it almost drops to pieces (like a rich cake) when dipped out with a spoon. The flavor is sweet and luscious beyond description. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

MILLER'S ORANGE CREAM—Shallow ribbed, thin rinded, finely netted; the flesh varies from a light green to a rich salmon in color, owing, we believe, to its being a hybrid; flavor is very sweet. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

NEW WINTER PINEAPPLE—This melon in appearance is entirely distinct from any other ever grown in this country. The outside skin instead of being netted is deeply corrugated. They have the thickest flesh of any melon, with but a small seed cavity. Indeed, they might be said to be almost solid. When ripe the outside skin is of rich yellow, intermingled with light green. The flesh is a light green color, unusually spicy, melting and delicious. The delightful fragrance of this new melon is of a rich, aromatic pineapple flavor. But the most remarkable and valuable feature of this new melon is its wonderful keeping qualities. They do not ripen on the vines like other muskmelons, but have to be picked before hard frost and laid away in a cool, dry cellar, where they will keep sound and sweet for months. When wanted for use they must be brought into a warm room, where they will ripen up in a few days. They are hardy and very prolific. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c.



BAY VIEW.



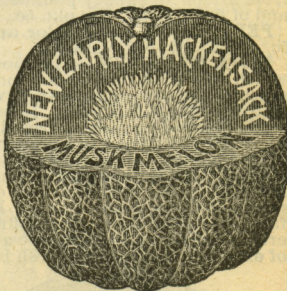
WINTER PINEAPPLE.



BANANA-MELON.

irregularly striped with orange, red or mahogany; very fragrant; a single specimen will sweetly perfume a room for many days. Prolific and easily grown. Per pkt. 5c.

SHUMWAY'S GIANT—Is monstrous size, cream-yellow, early, absolutely distinct, and with seeds more than twice as large as other sorts. A whole field of them will average 18 to 20 lbs. each, and select specimens 25 to 30 lbs. Sweet and luscious, with fine, melting, thick, salmon color flesh. Never stringy. The flavor pleasant; not high, nor rank. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.



ORNAMENTAL POMEGRANATE MELON—A very interesting and ornamental little fruit, which a century ago was commonly grown in the gardens, but is now rarely seen. It grows on a pretty vine; fruit is round, of bright yellow,

TRY EARLY SUNRISE SWEET CORN.

Described on page 10. Lee Hudler, a practical market gardener of Audubon, Iowa, says: "The Early Sunrise Sweet Corn is the best early sweet corn I have ever grown for the market. It is as early as the Cory, fills out better, is of superior quality, and the worms don't bother it as they do the Cory. It is first class in every respect."

CHOICE WATERMELON SEED.

Ger. Wasser Melone.

One ounce is required for sixty hills. Plant in hills eight feet apart and cultivate same as Musk Melon.

Thousands of melon growers annually depend on us for their seeds, and are universally pleased and claim that nowhere have they ever obtained seeds so pure and reliable. *It pays to have the best.* Growers using a large quantity (not less than five dollars' worth) are entitled to market gardeners' prices and should send for special list.

ICE KING.—The most productive; best shipper; finest quality; unequalled by any Watermelon in cultivation. We know this is considerable to say about a new variety, but it has been thoroughly tested, both in the north and south, and it has proven to be all that we claim for it. See description on second page cover, and be sure to try it this year. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

PHINNEY'S EARLY.—The melons are of medium size, oblong in shape and very uniform, the skin being mottled, as shown in the illustration; flesh red and sweet. It is hardy and vigorous in growth; very productive. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

VICK'S EARLY.—Of medium size, flesh bright pink, solid and sweet; said to be the earliest variety in cultivation. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

CITRON.—Red seeded; for preserving. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

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

COLORADO PRESERVING.—It makes beautiful, clear, transparent preserves of perfect flavor. Very productive. Green seeds. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

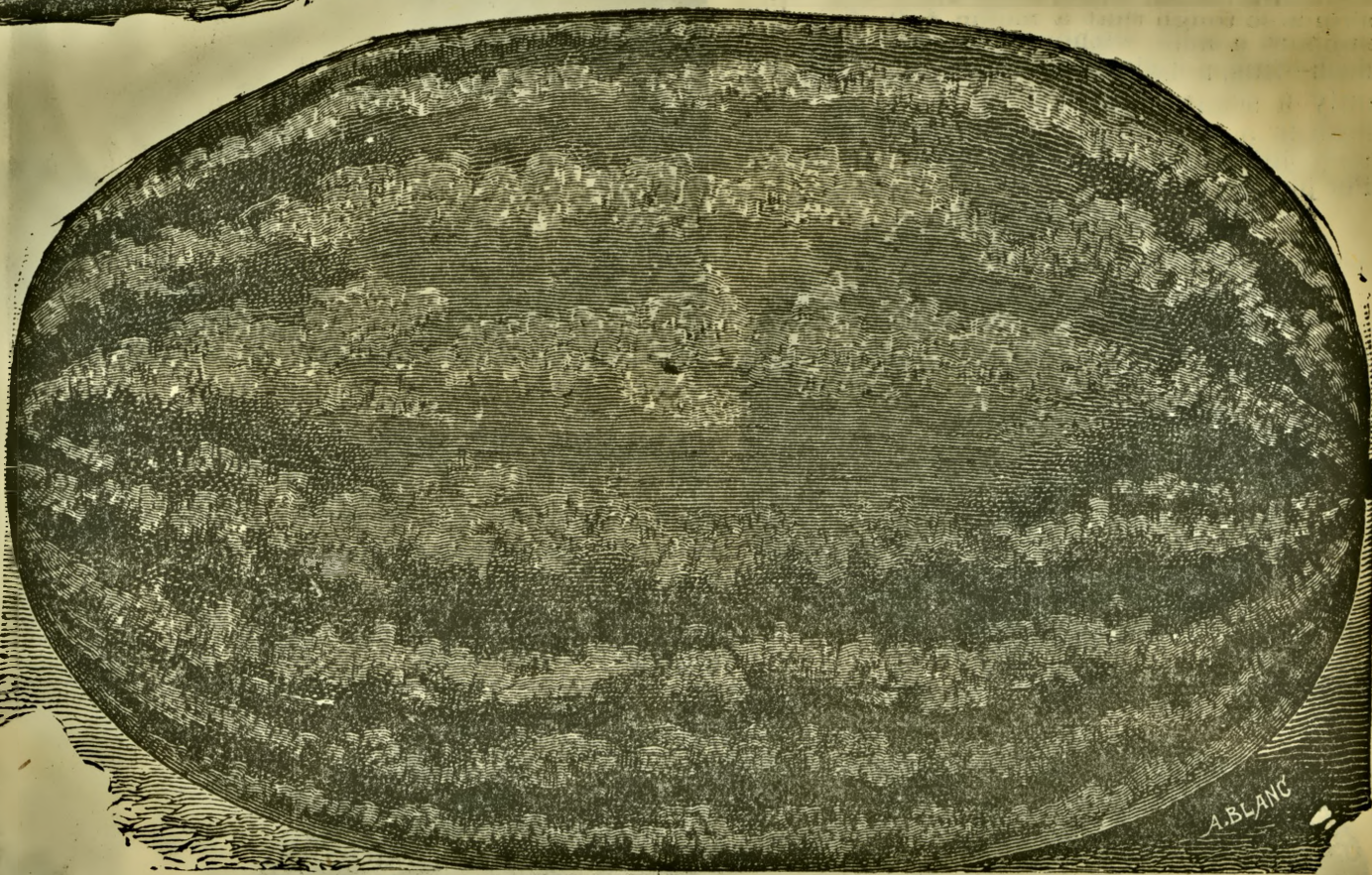


DIXIE.—This new melon has proven itself to be a decided acquisition. It originated on the farm of a truck grower in North Carolina, and is a cross between the Kolb Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor. It is from a week to ten days earlier than either; has a remarkably thin, tough rind; will keep and ship well. Each vine matures seven to eight large melons. The vines are strong and rapid growers, and have more laterals than other varieties. The flesh is bright scarlet, of fine quality, almost down to the skin. The melons are of a dark green color and most beautifully striped, of oblong shape. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

GREEN AND GOLD.—The largest early variety in cultivation, ranging from 25 to 40 pounds in weight; slightly oval; dark green outside, with blotches of fawn color when ripe. Flesh yellow as gold, sweet as sugar, and of an unequalled flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.00.

CUBAN QUEEN.—Large size, productive; flesh bright scarlet, good flavor and a good seller. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

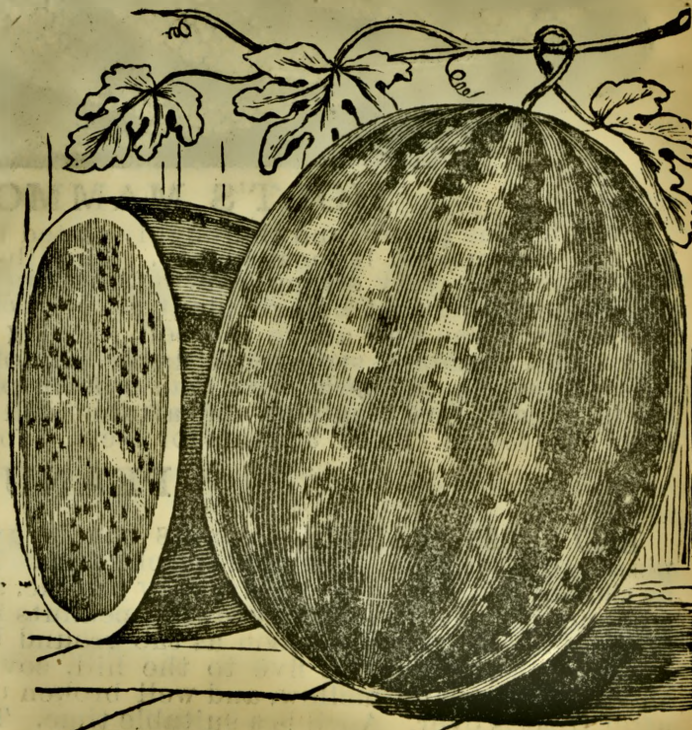
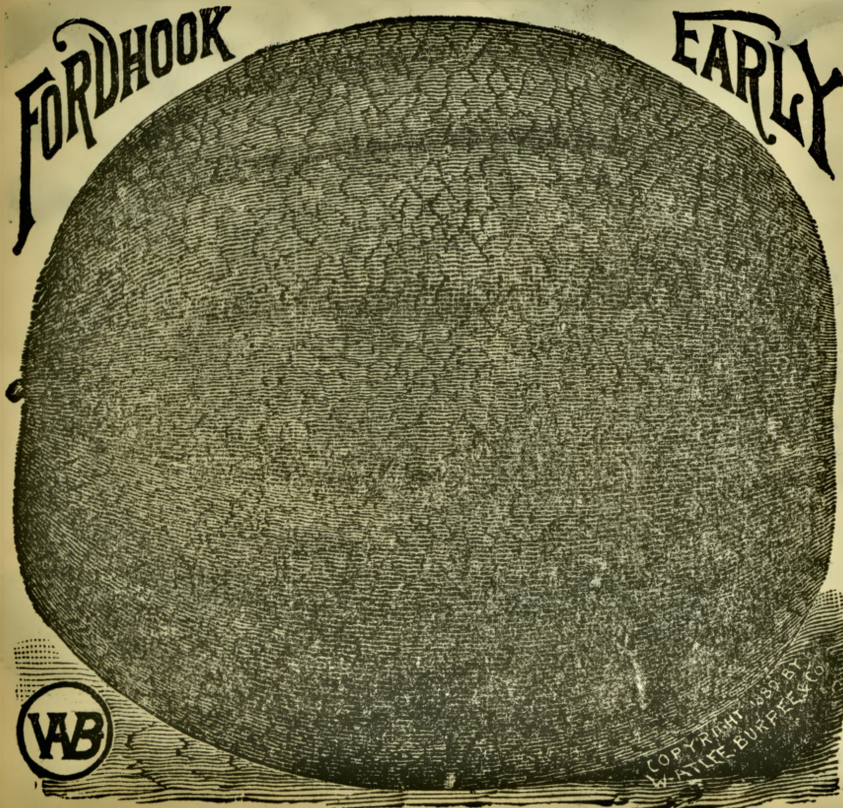
MOUNTAIN SWEET.—Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



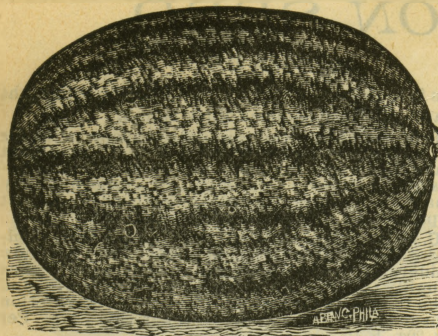
DIXIE WATERMELON.

FORDHOOK EARLY.—Has proved to be the largest early variety on the list and we verily believe it to be the earliest of all. From seeds planted May 10th ripe melons were produced the last of July. The accompanying illustration, made from a photograph, well shows this shape. The rind is tough, making it valuable for shipping. Color a uniform medium green; seeds white; flesh bright red and very sweet. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$1.75.

IF YOU LIKE
WATERMELONS
THE
ICE KING
WILL PLEASE YOU.



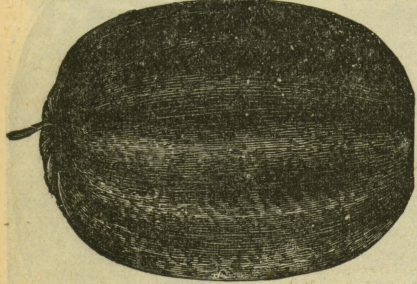
PHINNEY'S EARLY.



KOLB'S GEM.

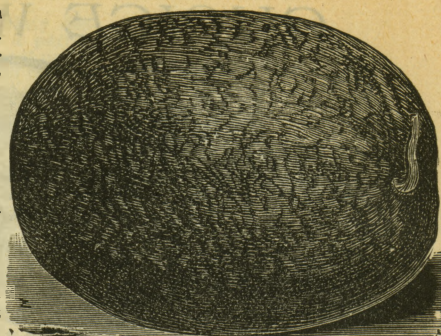
KOLB'S GEM.—This variety is pronounced by many of our largest melon growers the most successful shipping melon ever introduced. The rind, though quite thin, is very tough. The flesh is bright red and of excellent flavor. All who have grown it agree in pronouncing it one of the largest, most productive, best keeping and shipping melons ever grown. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

BURPEE'S WHITE GEM.—This is found indeed a gem, both in its unique, handsome appearance and delicious quality. It is enormously productive, and sets probably more fruit to the acre than any other Watermelon in cultivation. The melons are perfectly round in shape, as shown in the illustration, of good average size for family use, weighing fifteen to twenty pounds each, of a beautiful cream-white color when ripe. The skin is so tough that a melon fully ripe will support a man without even cracking the flesh—this, notwithstanding that the rind is only a scant half inch in thickness. The flesh is a rich, bright pink, crisp, melting, very juicy and deliciously sweet in flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

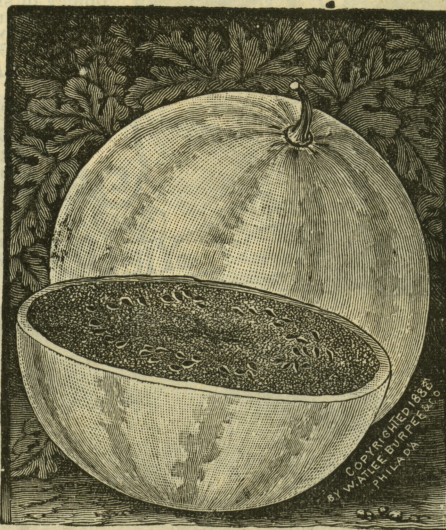


PEERLESS.

JOHNSON'S CHRISTMAS.—This melon has become a popular shipping melon for long distances. Have been kept until Christmas in perfect condition. Their valuable keeping and shipping qualities are due to a peculiar hard, tenacious coating or outside enameling of the skin, which also gives them an exceedingly handsome and fresh appearance, even after being kept or allowed to remain on on the vines for months after ripening. The flesh is of a beautiful rich scarlet, very solid, and of a delicious, sugary flavor. Its uniform size, and handsome, fresh appearance at all times make it a most salable variety. Per pkt 5c., oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

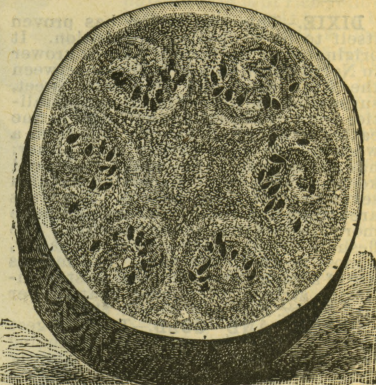


JOHNSON'S CHRISTMAS.

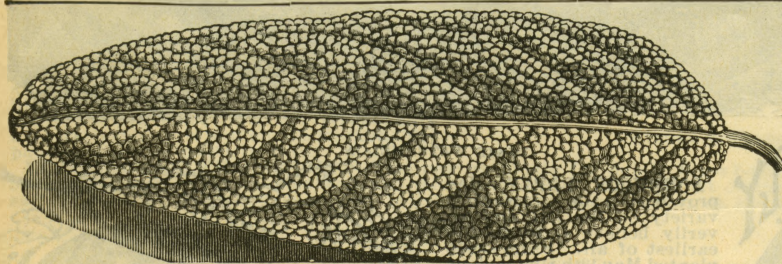


BURPEE'S WHITE GEM.

OEMLER'S TRIUMPH.—It is a variety originated in Central Asia, of medium size, dark, glossy green color, and the sweetest of any variety we know of. Flesh is dark red, mottled with yellow, very early. The seeds are so small they can be swallowed without the slightest inconvenience. Excellent flavor. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



OEMLER'S TRIUMPH.



HOLT'S MAMMOTH SAGE.

After having grown and thoroughly tested this valuable variety for many years, we can recommend it most highly. The illustration shows a leaf of average size. The plants are very strong-growing, the first season attaining one foot in height, and so spreading that a single plant covers a circular space three feet in diameter. The leaves are borne well above the soil, keeping them clean; they are very large, and of unusual substance, stronger in flavor, and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen plants of the common sort. It is perfectly hardy, even in New England, and attains still larger growth the second season. It never runs to seed. Price: 3 plants for 25 cts., 7 for 50 cts., or 15 plants for \$1.00, postpaid.

PEANUTS.

RED CROSS PEANUTS—Peanuts can be grown in Iowa, and every one should plant a few for themselves and the 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. Plant as soon as the ground becomes warm, from two to three feet apart each way, four or five to the hill, covering two or three inches. The soil should be deep and mellow, and well broken up, so as to be ready for planting soon after frost is over. April is a suitable time. They produce 25 to 70 bushels per acre, and are as easily cultivated as corn. Price per large package, 10c; lb., postpaid, 50c.



PEANUTS.

CHOICE ONION SEED.

Ger. Zweibel.

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

MONEY IN ONIONS

grown from the seed than in almost any other crop. Those grown from our select HIGH-GRADE ONION SEED

possess the following qualifications of superior merit. Earliness. Productiveness. Reliability. Perfect Shaped Bulbs. Solidity. Fine Texture and Keeping Qualities.

Sowing seed to produce large onions is the cheapest, easiest, best and most satisfactory way. Large onions can easily be grown the first year from the seed by obtaining OUR SEED, which is all American grown, and new crop of 1893. It won't pay you to use the cheap imported or southern grown seeds, which produce a large proportion of scullions and Onions that will not keep well. Poor seed, even as a gift, is the dearest the planter can use. We want you to try our seed and have therefore put the price down to as low a rate as good, reliable seed can be sold at.

SPECIAL PRICES. It will pay Market Gardeners and Onion growers who use large quantities of onion seed to write for special wholesale prices, stating quantity required.

CULTURE—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. As early as the ground can be worked in the spring, sow the seed in drills fourteen inches apart, covering one-half inch. They should be in rich, sandy soil, which is as free from weeds as possible. Commence hoeing 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—Good ground should be prepared as above, and the seed should be sown very thickly in broad drills about 40 pounds to the acre for sets, and 15 to 20 pounds for pickling.

For sowing Onion seed and cultivating crop it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder (price 30 cents, postpaid) is the best hand weeder made. Try it.

Onions: How to Raise Them Profitably—Being the practical details by seventeen practical onion growers. No more valuable work of its size was ever issued. Price, 20c.

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 and sells readily at the highest prices in our markets. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

LARGE RED WETHERSFIELD—The standard sort throughout the West, as they are the most hardy and immense crops can be raised when more tender varieties would fail. They grow to a large size, fine form; skin deep purplish red, moderately fine grained and strong flavor. Very productive and an excellent keeper. Our seed of this variety is extra select and cannot be excelled. Our price is low, but should you want 5 lbs. or more ask for special rates. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 45c, lb. \$1.50.

EARLY RED WETHERSFIELD—For many years one of the largest onion seed growers in the United States has been carefully selecting, each season, the most perfect, even-shaped onions which matured early and were regular, uniform size. The result is an extra choice, early maturing, solid and productive sort, which we are pleased to offer our customers. The stock is limited, however, and you should order early to be sure and get it. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.75.

EXTRA EARLY PEARL—The earliest and best of all the American varieties. It is of good size, of pearly white color, the outer skin having a most showy waxy appearance; flesh of pure snow white, and flavor so mild that it can be eaten like an apple. It grows with wonderful rapidity. We are sure all who try it will be greatly pleased. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 85c, lb. \$3.00.

LARGE WHITE GLOBE—The handsomest market variety we have ever seen. Large size, oval form, very even, mild and pleasant flavor, good keeper, out-sells every other variety and is undoubtedly the best white variety. Per pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

SOUTHPORT RED GLOBE—This is a very handsome variety, and is deserving of general cultivation. It matures quite 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. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

NEW EXTRA EARLY BARLETTA—This distinct new variety is the very earliest Onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety in cultivation. At maturity, the tops die down directly to the bulbs, leaving the neatest and most handsome little bulbs imaginable. They are of pure paper-white color; very mild and delicate in flavor; one inch to one and a half in diameter, and three-fourths of inch in thickness. Both for table use and for pickling it is most valuable. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.75.

WHITE PORTUGAL, Silver Skin—Matures early, very mild flavor, medium size, and generally preferred for table use; not a good keeper. Per pkt. 5c, oz. 30c, $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

PARIS WHITE PICKLING, or Small Silver Skin—For pickling. This is of small size, silvery white, and used almost entirely for pickling, on account of its small size, handsome appearance and mild flavor. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.25.

NEW QUEEN—A very nice extra early silver-skinned Onion, the best keeper of the foreign sorts. Very mild flavored and excellent for pickling. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c, lb. \$2.40.

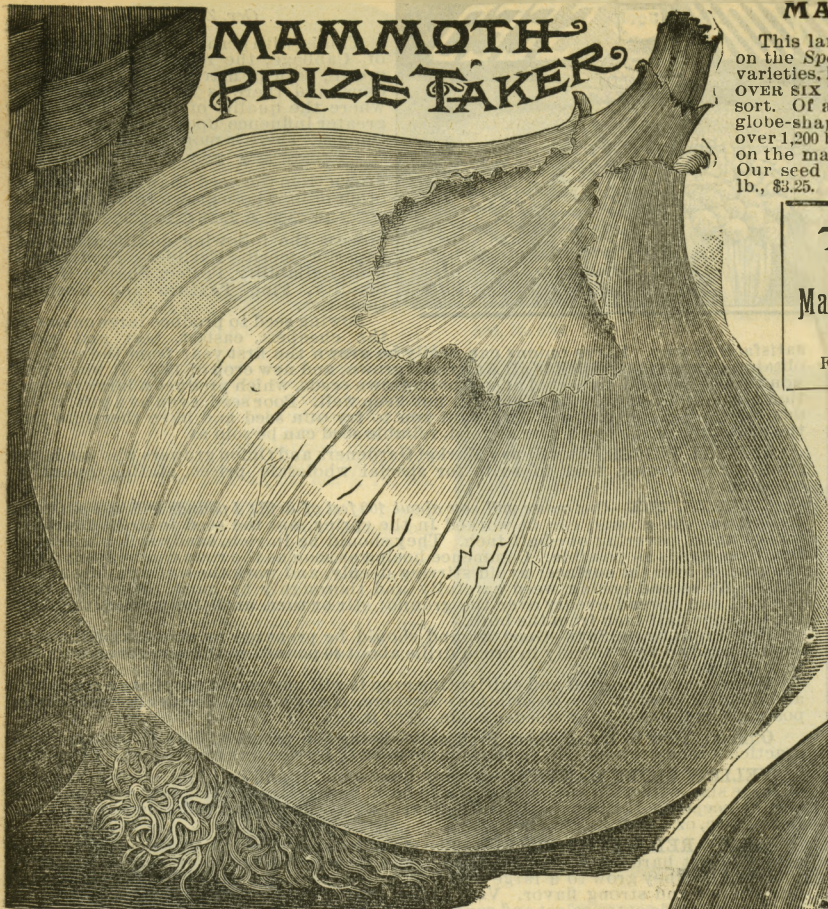
EXTRA EARLY RED—Quite popular for early marketing. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

ONION SETS

Are scarce this year and prices will doubtless advance later in the season. See list of vegetable plants and roots. If you want a large amount write for prices. Our sets are exceptionally fine this year.



MAMMOTH PRIZE TAKER



MAMMOTH PRIZE TAKER.

This largest of all onions is an American improvement on the *Spanish King*, and is admittedly the largest of all varieties, having been grown to the enormous weight of OVER SIX POUNDS, and is withal 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 unexcelled. Per pkt., 10c; oz., 30c; ¼ lb., \$1.00; lb., \$3.25.

THE FOUR GIANTS.

ONE PACKET EACH OF

Mammoth Prize Taker, Copper King,

GIANT VESUVIUS AND SILVER KING,

For only 25 cents. Don't fail to try them.

GIANT VESUVIUS—This grand new mammoth variety, which we offer for the first time, is a foreign sort, well shown by our illustration. In rich soil, under good cultivation, they will 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. In packets only, 10 cts. each; 3 for 25 cts.

\$10 PRIZE

FOR THE
LARGEST ONION

Grown from our
Seed.

See page 26.



WEIGHT

45 OZ.

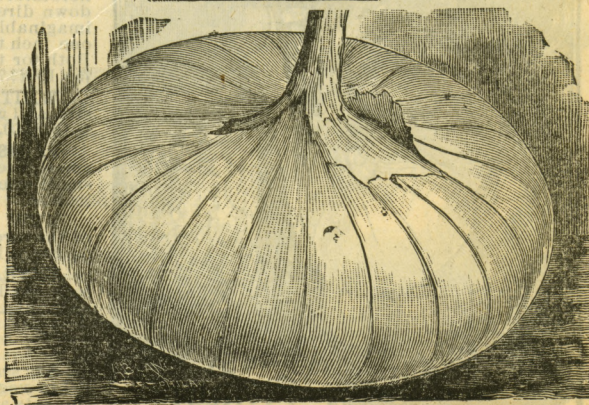
GROWN THE
FIRST YEAR
FROM SEED.

COPPER KING, or Mammoth Pompeii—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 some idea how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. They are a beautiful copper color; flesh pure white, fine grained and mild. Per pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

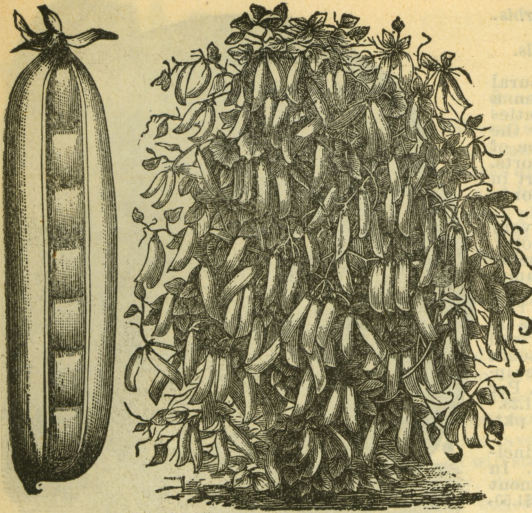
MAMMOTH SILVER KING—Of attractive form, flattened, but thick and of a particularly mild and pleasant flavor. So sweet and tender is the flesh that it can be eaten raw like an apple. Per pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.



COPPER KING.



MAMMOTH SILVER KING.



NOTT'S EXCELSIOR.

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, having matured in forty-three days. Mr. George Buchanan writes: "I found these peas a very distinct pure sort, with many marked excellencies 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., 10c; ½ pt., 25c; qt., 75c.

PRICES INCLUDE POSTAGE.

Pints at one-half the quart rates. See special prices by the peck and bushel. 15 cents per quart discount if sent by express.

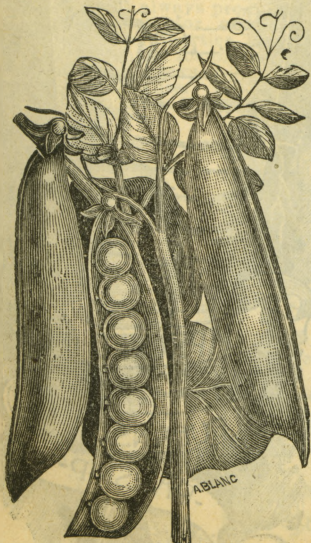
***PREMIUM GEM**—Height one foot, early and prolific. A type of and an improvement on the McLean's Little Gem. Pods long and of a dark-green color. Per pkt., 5c; ½ pt., 12c; qt., 40c.

***BLISS' AMERICAN WONDER**—Early and prolific dwarf wrinkled Pea. On good soil each vine will average twelve pods and each pod six peas. The vine grows from eight to ten inches high. Per pkt., 5c; ½ pt., 15c; qt., 55c.

CLEVELAND'S ALASKA—Height two feet; pods fine shape, dark-green color, remarkably well filled; often seven to nine peas; the earliest pea known, being two days earlier than the Rural New Yorker, and 90 per cent of the pods can be gathered at the first picking. Per pkt., 5c; ½ pt., 12c; qt., 40c.

DWARF WHITE MARROW—Per pkt., 5c; ½ pt., 12c; qt., 35c.

FIELD PEAS—See list of miscellaneous Field Seeds.



IOWA CHALLENGE.

PEAS—Ger. Erbse.

One quart will plant about 100 feet of drill.

Peas mature quickest in light dry soil, not too rich. May be sown as early as the ground can be worked, and for a succession, every two weeks up to July, or what is better, select several kinds which will form a succession in maturing, and sow all about the same time. Sow in drills two to four feet apart, according to varieties, not less than four inches deep for general crop, although the first earlies will come to maturity sooner if only covered one and one-half to two inches. Wrinkled sorts are marked*. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot. Our seed peas are of the very best quality attainable, and we believe cannot fail to please the most critical.

***NOTT'S EXCELSIOR**—We are pleased to offer this superb new variety, and are sure our customers will be delighted with it as an ideal family and market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half



REED'S EARLY PRIZE.

REED'S EARLY PRIZE—A cross between Tom Thumb and the Advancer. Grows 18 inches high, being slightly taller than Premium Gem, and, while equally early, it is decidedly a better cropper than either that or Tom Thumb. Pod large, heavy and well filled. Although equal to the wrinkled varieties in sweetness and flavor, it can be planted earlier than these without danger of rotting. Its combination of earliness, dwarf-growth, yield and quality, with the large size and good filling of the pod, ensures its future. Per pkt., 5c; ½ pt., 20c; qt., 60c.

***THE STANLEY**—This very handsome new variety is well shown by the accompanying illustration. It is a grand medium early wrinkled pea with well filled pods, larger than the Stratagem, a tremendous cropper with dwarf stocky vine, which needs no bushing. It is very sweet and of delicious flavor; full grown pods often measure four inches in length by over two in circumference, and mature very uniformly, so that nearly the entire crop can be taken at one picking. All should try it. Per pkt., 10c; ½ pt., 25c; qt., 80c.

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; ½ pt., 20c; qt., 40c.

***CHAMPION OF ENGLAND**—One of the richest and best flavored peas grown. Per pkt., 5c; ½ pt., 10c; qt., 35c.

***YORKSHIRE HERO**—Pkt. 5c; ½ pt., 12c; qt., 40c.

WHITE MARROWFAT—Per pkt., 5c; ½ pt., 10c; qt., 30c.

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 eighteen inches. Per pkt., 5c; ½ pt., 15c; qt., 50c.

FIRST AND BEST—It is an improvement on the Philadelphia Extra Early. Pods good size and well filled with smooth Peas of excellent flavor. The Carter's First Crop and Early Kent are like this, but not so early, productive or desirable, and we have dropped them from our list. Per pkt., 5c; ½ pt., 12c; qt., 40c.

***BLISS' ABUNDANCE**—Height 20 inches; time of ripening, medium; remarkably strong, vigorous, branching habit, and unusually productive; pods of fair size, well filled with peas of good quality. Pkt., 5c; ½ pt., 15c; qt., 45c.

***BLISS' EVER-BEARING**—Height two feet; late to very late; hardy, vigorous, enormous cropper; pods and peas of large size and good quality. Pkt., 5c; ½ pt., 15c; qt., 50c.

***STRATAGEM**—Decidedly the best late variety for family or market use. Pods long and filled with seven to nine large peas of extra fine quality. Pkt., 5c; ½ pt., 15c; qt., 50c.

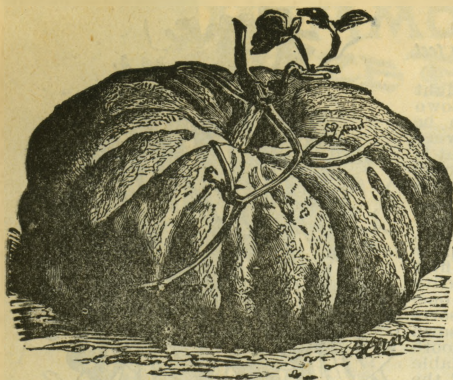
***IMPROVED ADVANCER**—Pkt., 5c; ½ pt., 15c; qt., 45c.

BLACK-EYED MARROWFAT—Pkt. 5c; ½ pt. 10c; qt., 30c.

DWARF SUGAR—Edible pods; use like Snap beans. Per pkt., 5c; ½ pt., 15c; qt., 50c.



AMERICAN WONDER



MAMMOTH ETAMPES.

MAMMOTH TOURS—A French variety which grows to an immense size. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 35c., lb. \$1.25.

CONNECTICUT FIELD—This is the common field or cow pumpkin, grown principally for stock. Immense crops can be grown by planting the seed among corn. In this way as many as five tons have been grown on one acre, without any detriment to the corn. Per oz. 5c., $\frac{1}{4}$ lb. 10c., lb. by mail, 30c., by express or freight, 10 lbs. \$1.50, 25 lbs. \$3.00.

MAMMOTH ETAMPAS—A giant variety from France, where it is quite celebrated. It has been grown in this country to enormous size; it is a bright glossy red color, and makes a splendid variety to grow for exhibition purposes. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb., 50c., lb. \$1.75.

LARGE CHEESE—A flat variety commonly called Sweet Pumpkin throughout the west. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

KING OF MAMMOTHS—The largest variety in existence. The flesh and skin are of a bright golden yellow, fine grained and of good quality. They are very often grown to weigh from 100 to 150 pounds, and the one from which our cut was made, raised in 1885, reached the enormous weight of 245 pounds. One customer writes us that he grew one weighing 158 pounds, and on the same vine had five other pumpkins from 90 pounds to 104 pounds each in weight—over 640 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? Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.00.

MAMMOTH CHILI—Really a Squash, but it looks more like a Pumpkin and we list it here so as to have the Mammoth Pumpkins together. This is the largest of the squash family, and attains the most astonishing weights. Many specimens have been grown reaching nearly three hundred pounds, and from 100 to 200 lbs. is a common weight with ordinary culture. Our seed has been selected from the large and perfect specimens only. The flesh is a rich yellow, very thick and of excellent quality, highly nutritious. They are profitable to grow for stock feeding. Its general appearance is well represented in the engraving, it being round and flattened at either end, the skin smooth, with wide fissures, color a rich orange-yellow. Keeps well throughout the winter. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

PUMPKINS—Ger. Kirbis.

One lb. will plant about 250 hills.

Principally used for agricultural purposes, but there has been a great improvement in the varieties during the past few years, by the introduction and hybridization of foreign varieties with our old sorts. Plant in hills eight feet apart in May, among potatoes, or corn, or in open field.

JAPANESE PIE—Flesh very thick and of a rich salmon color, nearly solid, the seed cavity being very small in one end of the pumpkin, unusually fine grained, dry and sweet, making pies as rich without eggs as other varieties do with. They ripen early, keep well and produce largely. The seeds are peculiarly marked and sculptured in Japanese characters. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.



KING OF MAMMOTHS.

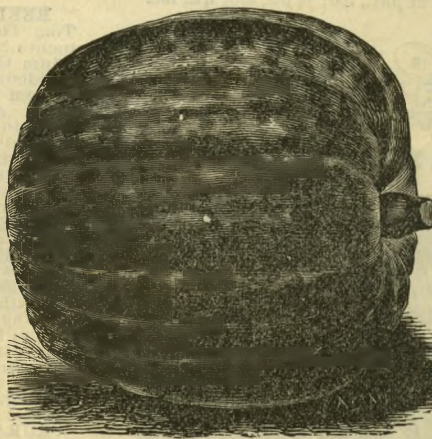
\$25.00

Try the collection of
MAMMOTH PUMPKINS.

One packet each King of Mammoths, Mammoth Tours and Mammoth Etampes Pumpkins, and Mammoth Chili Squash for
only 20 cents.

PRIZE. To induce all our customers to try these we will send with each one of the collections full instructions for growing, and will offer a prize of \$15.00 for the largest Pumpkin or Squash raised, and a prize of \$10.00 for the second largest one.

By purchasing one of these collections and receiving instructions, you can obtain the prize at your county fair, and possibly secure the special prize we offer also.



MAMMOTH CHILI.

TENNESSEE SWEET POTATO—Of medium size, pear-shaped, color creamy-white, lightly striped with green, flesh thick, creamy white fine-grained, dry, brittle and of excellent flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

PARSNIPS.—Ger. Pastinake.

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

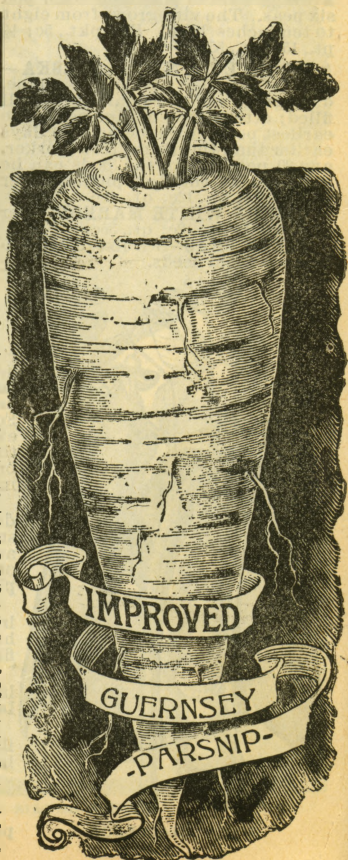
Sow early in spring in good rich soil, which has been plowed deep, in drills fifteen inches apart, covering half an inch. Thin to five or six inches apart in rows. They are improved by frost.

I. S. CO'S IMPROVED TABLE GUERNSEY—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. It is strictly a table variety, and has no resemblance to what is called the Guernsey Stock Parsnip, which is not good for table use. The roots do not grow as long as the Hollow Crown, but are of a greater diameter and more easily gathered. It is a very heavy cropper; the roots are smooth, with a deep hollow crown and 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 and soft and even in quality as outside portions. It is sure to please all who try it. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

LONG SUGAR or Hollow Crown.—The standard for either table use or stock feeding. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



YANKEE PIE—This is the noted New England Pie or Small Sugar Pumpkin. It is the same shape and color as the Connecticut Field but much smaller and very sweet. It is one of the best varieties for table use in the list, and we are sure would please our customers. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



RADISH.

Ger. Rettig.

One ounce will sow about 100 feet of drill.

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks until mid-summer. Radishes must be grown quickly, and have plenty of room, or they will invariably be tough and pithy. Sow in drills one foot apart and thin to one 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.

VICK'S 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. 35c, lb. \$1.00.



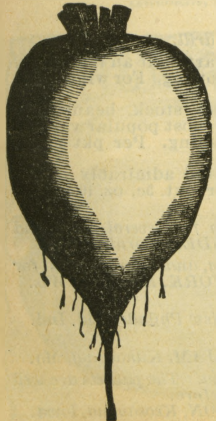
VICK'S EARLY SCARLET GLOBE.

FRENCH BREAKFAST—A handsome table variety, of medium size, quick growth and fine quality. It is oval shaped, scarlet tipped with white, very crisp and tender. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

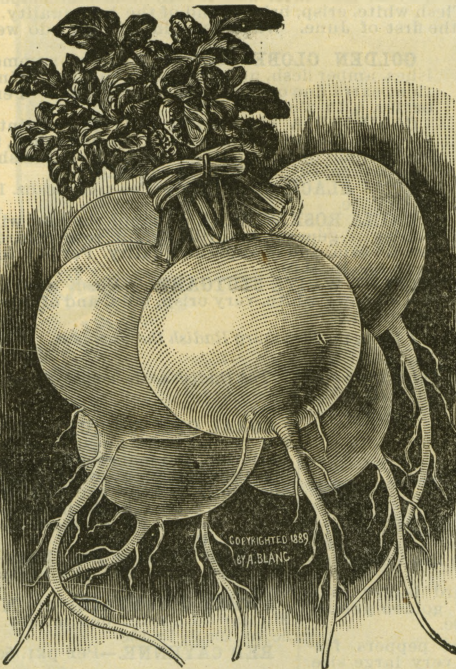
WOOD'S EARLY FRAME—About ten days earlier than Long Scarlet, which it very much resembles, although not quite so long. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

WHITE LADY FINGER—An improvement on the White Naples, or Vienna. It is a large, white, crisp variety, about as long as Long Scarlet, and similar in shape. A very desirable sort; decidedly the best of its kind ever introduced. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

IOWA SEED COMPANY'S PERPETUAL WHITE SUMMER—This variety, introduced by us, has given splendid satisfaction to all who tried it. Their shape is well illustrated by the accompanying engraving. They are pure white, of uniformly good quality, crisp and brittle, and they keep longer in a fit condition for the table than any variety we know of, hence their name, Perpetual White Summer. Can be sown any time of the year and will always produce good Radishes fit for market earlier than the Chartier, and keep in perfect shape for marketing for about four weeks or longer than that for home use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.00.



PERP. WHITE SUMMER.

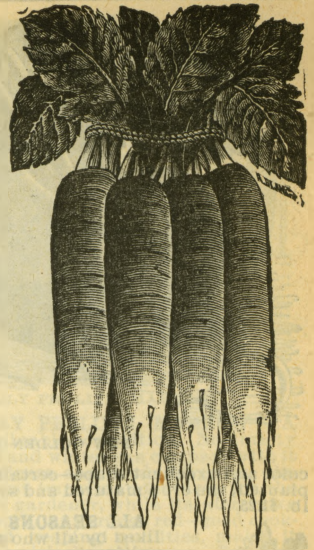


MODEL WHITE BOX.

MODEL WHITE BOX—A great improvement on the Philadelphia White Box which has been popular for several years. It is of most handsome shape as shown by our illustration. It is very early and has but few leaves, thus making it of special value for growing in hot-beds or "boxes" and one third more radishes can be grown in same space than with most other sorts. It is of clear white color, solid, juicy and unsurpassed in flavor. In all respects a model radish for early use. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

EARLY SCARLET TURNIP—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

REMEMBER \$1.00 buys seeds in packets to the value of \$1.25. \$2.00 buys \$2.60, and \$5 will buy \$6.75 worth.



CHARTIER RADISH.

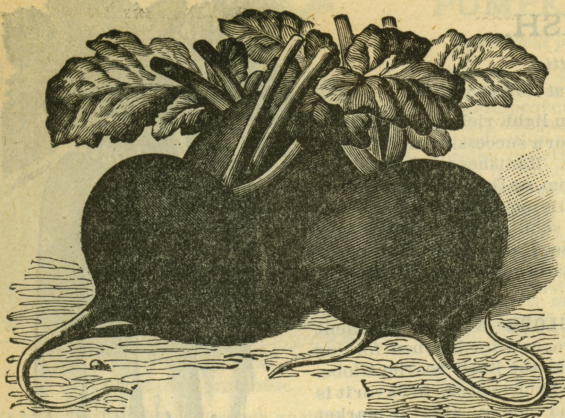
BECKERT'S IMPROVED CHARTIER—Decidedly distinct in appearance from any Radish in cultivation. In form is well defined by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EARLY LONG SCARLET SHORT TOP—Very popular variety with gardeners and for family use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EARLY MIXED—A mixture of all the early varieties. This will certainly take well for the family garden, as in it there is an assortment of all the best early sorts, and they will make a handsome show on the table. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 90c.

NEW ROSY GEM—This wonderful new Radish is an improvement on the Scarlet Turnip White Tip and has won golden opinions in all sections of the country. 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, and should be planted by everybody. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.





NEW GOLDEN DRESDEN.

color and excellent shape—certain to insure ready sale on the market. It is by far the best strain of early radishes for forcing. Beds are planted, the crop matured and sold, and the same bed made ready for a second planting, all in thirty days, Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c. lb. \$1.25.

ALL SEASONS.—Introduced by us in 1890 and proved a decided acquisition, being greatly liked by all who gave it a fair trial. It was from China, and we sent it out after testing in California one year. In this State it does not prove to be early, but makes a most excellent summer and fall Radish, and even keeps well for winter use. It is of handsome shape, stumpy-rooted, and ivory white in color. Flesh white, crisp, brittle, and of the best quality. Never pithy. Do not sow seed until after the first of June. When sown in July they do well. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.



ALL SEASONS.

I had the finest Radishes that were raised in this country from seed bought of you.
S. J. WEATHERS, Garfield, Ark.

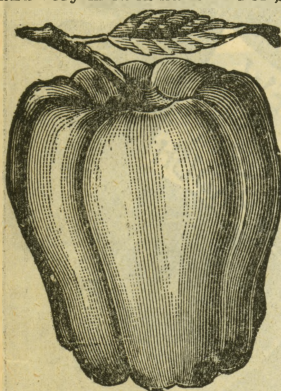
PEPPER.

Ger. Pfeffer.

One ounce will produce about 1,800 plants.

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

MAMMOTH GOLDEN QUEEN.—Average a third larger than Ruby King. Eight to ten inches long, bright, waxy, golden yellow, and very mild in flavor. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c.



RUBY KING.

RUBY KING.—The peppers frequently attain to a very large size, $\frac{1}{2}$ to 6 inches long, by $\frac{3}{4}$ to 4 inches thick. When ripe they are of a beautiful bright ruby red color, and are always remarkably mild and pleasant to the taste. Each plant produces from six to twelve large, handsome fruits. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 70c.

CELESTIAL.—When they are fully ripe they are of a delicate creamy yellow color, then suddenly change to an intense vivid scarlet. The brilliant contrast in colors makes a plant loaded with fruits an object of striking beauty and oddity. The peppers are of superior quality, of a clear, sharp flavor. Per pkt. 10c, oz. 35c, $\frac{1}{4}$ lb. \$1.00.

RED CLUSTER.—Similar to the Chili, but smaller and more productive. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

RED CHILI.—Small, very hot. Used everywhere for pepper sauce. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c.

My seeds came all right. Many thanks for your promptness, kindness and liberality.
MARY V. BRIGHAM, Lansing, Colo.

The seeds we got last year were O. K.

BRYANT GRAVES, Searcy, Ark.

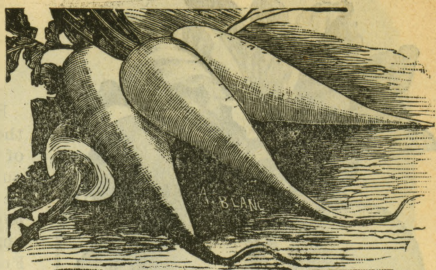
The seeds I bought of you last year all did well and gave good satisfaction.
BENJAMIN F. MUMFORD, Parnell City, Mo.

NEW GOLDEN DRESDEN

—All who saw this charming variety at our trial grounds the past season were most favorably impressed with it. It was 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 close planting. No matter whether grown in the garden or in hot-beds, you can depend on a remarkably perfect, early and uniform crop. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$1.75.

WHITE STRASBURG.—The roots, as shown in illustration, are of handsome, oblong, tapering shape; both skin and flesh are of pure white. The flesh is firm, brittle and tender, and possesses the most desirable character of retaining the crispness even when the roots are old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

NON PLUS ULTRA.—An improvement on the Deep Scarlet Turnip. Remarkably fine in quality and of very quick growth, and ready to pull within twenty days after sowing. Perfectly globular little roots, of very bright color. It is by far the best strain of early radishes for forcing. Beds are planted, the crop matured and sold, and the same bed made ready for a second planting, all in thirty days, Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c.



WHITE STRASBURG.

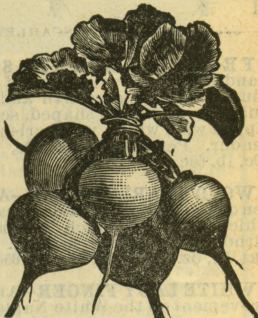
GOLDEN GLOBE.—One of the best summer Radishes, amber flesh, and keeps long in good eating condition; extra fine quality, and rapid growth. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

CALIFORNIA MAMMOTH WHITE.—A winter variety, growing twelve inches long, white fleshed, firm and of excellent quality. It is the largest Radish grown. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.00.

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

CHINA ROSE WINTER.—One of the best winter varieties, a general favorite, bright rose colored, flesh white, firm, and of superior quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

GIANT WHITE STUTGART.—Flesh and skin are both snowy white, very crisp, mild, and of good flavor, 35c. lb. \$1.00.



GOLDEN GLOBE.

Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c.

I think the Strasburg Radish the very best. Will send for more next spring.

MRS. O. C. VERNON, Blakeman, Kansas.

The Radish seeds bought of you were splendid.

MRS. W. E. FIERCE, Fierce, Iowa.

CORAL GEM BOUQUET.—This new red-hot pepper is the finest of the small-sized varieties, and makes a very pretty ornamental plant for growing in pots. Flavor hot, and it is most excellent for making pepper sauce. Each package contains seeds enough for at least one hundred plants. Per pkt. 10c.

LARGE BELL, or Bull Nose.—An early standard sort. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

SWEET MOUNTAIN, or Mammoth.—Similar to above, but milder. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

RED CAYENNE.—Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 90c.



CORAL GEM.

PARSLEY.

Ger. Petersilie.

One ounce will sow 150 feet of drill.

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

CHAMPION MOSS CURLED.—A very select stock, beautifully crimped and curled. Decidedly the best and most popular variety for general use. Quite decorative for garnishing. Per pkt 5c, oz. 10c, $\frac{1}{4}$ lb. 30c.

NEW FERN LEAVED.—Exquisite in form and admirably suited for table decoration. Excellent quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c.

I have grown your Improved Guernsey Parsnip for several years, and can say they are all right.

SIMON BENDER, Corning, Iowa.

Was well pleased with seeds received last spring, and many thanks for extra packets.

A. YORK, Elk Creek, Wis.

All of your seeds grow.

EZRA D. ELLIOTT, New Philadelphia, Ind.

My seeds did splendidly.

MRS. SAMUEL McWILLIAM, Kilhoising, Mo.

We were well pleased with seeds ordered from you. The packets are well filled, and lower in price than any we ever tried before.

HENRY L. MASON, Keosauqua, Iowa.

We have used your seeds and find them to be perfect in every respect.

MRS. SARAH HALL, Baylis, Ill.

SQUASH.—*Ger. Kurbiss.*

One ounce early varieties will plant about forty hills; one ounce late will plant twenty hills; four to six pounds 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 to each hill. The soil cannot be too rich.

NEW GOLDEN BUSH.—The best summer squash yet brought out. It is thicker, larger and superior in every way to the old varieties. Very early. Try it. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

HUBBARD.

EARLY BUSH CROCKNECK.—Splendid summer sort, early, productive, very fine quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

WHITE BUSH SCOLLOPED.—Similar to New Golden Bush. Color creamy white. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

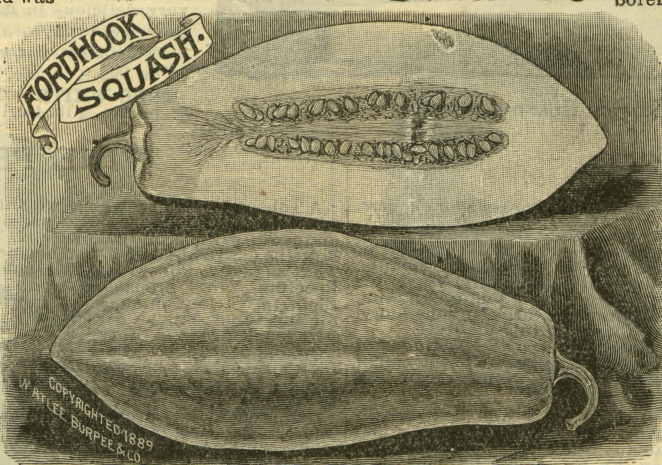
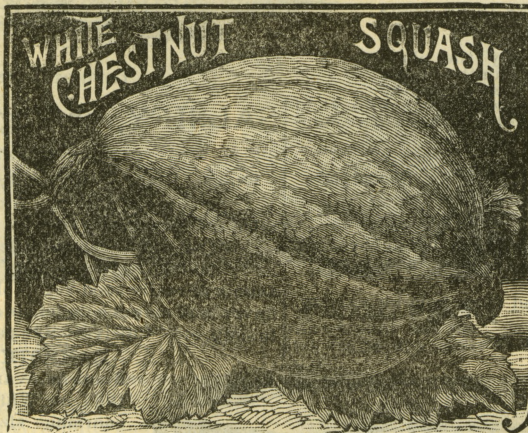
WHITE CHESTNUT.—The shape of this very distinct new variety is well shown in the above cut. The outside skin is creamy white, while the flesh is lemon-yellow, fine grained, sweet and most excellent in quality, suggesting the flavor of a boiled chestnut. The size and form are much like the good old original Hubbard, fully equalling it in great productiveness and keeping qualities. This squash is creating quite a *furor* in the eastern states, where gardeners pronounce it the very best squash they have ever grown. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

HUBBARD.—This old variety has for years stood the test of all rivals, and is the best winter squash known; hard, green shell, flesh bright orange yellow, fine grained, very dry, sweet and of a rich flavor, keeps in perfect condition throughout the winter. Per pkt 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

SIBLEY, or Pike's Peak.—Claimed to be a great improvement on the Hubbard. It originated in Iowa, and was named in honor of the late Mr. Hiram Sibley. It is also called Pike's Peak by some dealers. The form correctly shown by the cut, is obviously entirely new, having the stem at the swell end. The shell is pale green in color, very hard and flinty, but at the same time so very thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick, and a vivid, brilliant orange 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. Be sure and give it a trial. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 80c.

I have bought seeds of you for ten years and have always found them fresh and true to name and will highly recommend them to all.

GEO. MCKINDER,
Hiteman, Iowa.



EARLY PROLIFIC MARROW.

EARLY PROLIFIC MARROW.—A most valuable acquisition. No variety for fall and winter can compare with it for earliness and productiveness, the two most important features for the market gardener, while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

FORDHOOK.—The engraving herewith, which is accurately reproduced from a photograph, shows the shape of the squash and the solidity of a section. It is extremely handsome, of a bright yellow outside, and straw yellow within. The flesh is dry and sweet, and of the best quality. Placed in a cool, dry room, keeps in perfect condition throughout the winter, perfect specimens grown the year before being shown at our State fair in September. The stem is thin and hard, and also the roots, consequently it is perfectly free from the attacks of the squash borer. Matures early, and is everywhere a sure cropper. Immensely productive. Another feature is that the green squashes can be used at any stage of their growth, and in flavor are superior to any summer squash. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.20.

ESSEX HYBRID.—A most excellent variety. It is the earliest of the winter sorts, and can therefore be planted later in the season than most others. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 85c.

BOSTON MARROW.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 65c.

MAMMOTH CHILI.—This is certainly the largest variety of squash (or pumpkin, as some call it) grown; see more full description with pumpkins. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

AMERICAN TURBAN.—Fine grained, very dry, sweet, and of delicious flavor. For fall

and winter use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 90c.

MARBLEHEAD.—A splendid winter variety, shell very hard, of a light blue color; flesh fully equal to the Hubbard in quality. Per pkt 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

VEGETABLE MARROW.—A favorite English sort. The fruit is very variable in size, from nine to eighteen inches in length, and from four to six inches in diameter. Skin a greenish yellow, flesh white, soft and of rich flavor. Plant eight feet apart. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

MEXICAN BANANA.—Originated by crossing imported varieties. It is sweet, rich, finest grained meat, good keeper, and the heaviest for the size, of any ever grown. The size is from two to three feet long, and weighs from thirty to fifty pounds. Dark green color, magnificent bearers; for fall and winter use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

I took first premium on the Banana Squash at our county fair. All the seeds I got of you gave entire satisfaction.

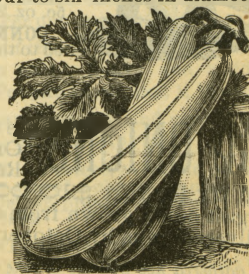
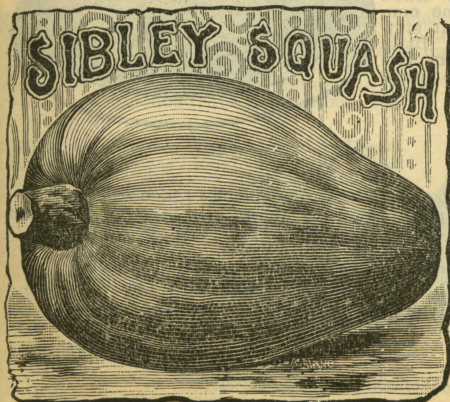
J. G. TOOT, Halfrock, Mo.

I will gladly recommend your seeds to any one, as they have always done well for us.

R. J. VAN BUSKIRK, Savannah, Mo.

All the seeds I bought of you last spring were the best I ever got from any seed firm and gave perfect satisfaction.

G. H. WILLIAMS, Libby, Mont.



SPINACH.—Ger. *Spinat*.

One ounce will sow about eighty feet of drill; ten pounds to an acre.

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

CHINESE RED.—A new variety of spinach from China which is much larger than the common; has bright red leaves, and is considered of equal quality. In pkts. only 5c.

LONG STANDING.—Far superior to all others: 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. 20c, lb. 45c.

ROUND.—Main market sort. Equally good for summer or fall. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 35c.

PRICKLEY, or WINTER.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

VIROFLAY, or SAVOY LEAVED.—Grows to an enormous size, and produces wonderful crops. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 40c.

NEW ZEALAND.—Very useful to supply the place of the ordinary spinach during the hottest months of the year or in dry, arid localities. The seed is sown where the plants are to stand, in May, and the plants will continue to yield a supply of good leaves of excellent quality during the entire summer. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

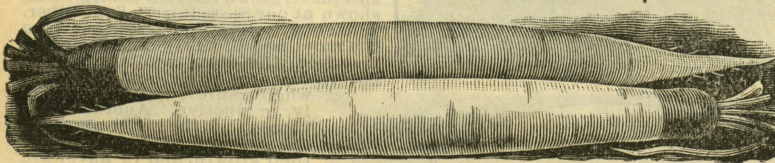
RHUBARB, or Pie Plant.—Ger. *Rhabarber*.

One ounce will produce about 100 plants.

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

VICTORIA, or MAMMOTH.—The best and most popular variety. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.65.

RHUBARB ROOTS.—See vegetable plant list.



MAMMOTH SANDWICH ISLAND SALSIFY.

TOBACCO.

One ounce will sow twenty-five feet square and produce plants for one acre.

This is a paying crop and will do well in this State. The following varieties have been thoroughly tested in this climate. Our seed of most of these was grown on the crown panicles of select plants. Early in 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 seed very shallow. When plants are six inches high transplant into rows four feet apart. Cultivate thoroughly.

MAMMOTH MUSCATELLE.—Originated in the private gardens of the Shah of Persia. Very early, leaves long, small ribbed, and of first possible texture. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.



HESTER.—Ripens early and has greater adaptability over a wider range of soils and latitude than any other of the yellow varieties, and may, on this score, be considered the surest. Per pkt. 10c, oz. 25c, $\frac{1}{4}$ lb. 75c.

STERLING.—Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

BIG HAVANA.—A heavy cropper of fine texture, delightful flavor, and the earliest cigar variety to mature and ripen. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.

CONNECTICUT SEED-LEAF.—Well adapted to this climate. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c.



LONG STANDING SPINACH.

SALSIFY, or Vegetable Oyster.—Ger. *Bocksbart*.

One ounce will sow about fifty feet of drill.

Why don't you grow Salsify? We are certain if you grew it one year you would never be without it, and especially after having tried the Mammoth Sandwich Island.

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 parsnips.

MAMMOTH SANDWICH ISLAND.—This magnificent new variety averages fully double the size of the Long White. The roots, notwithstanding their enormous size, are of very superior quality, and very delicious in flavor; it is such a decided improvement that we are quite sure all market gardeners who once try it will use it exclusively. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

LONG WHITE.—The standard kind. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

VINE PEACH.

A splendid novelty which we introduced in 1887. 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 in various manners for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are rapidly 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 unusually liked raw, although some consider them excellent simply sliced with a little sugar on. Try them and we know you will be pleased. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

**BIG ONIONS** Be sure to include the **Four Giant Onions** in your order this year.

Read the description on page 20, and try for that \$10.00 Prize which we offer for the largest onion grown from our seed this year, which must be delivered to us by October 20th.

I gathered five bushels of fine onions from the small packets of Three Kings onions bought of you. This is the tenth year I have bought seeds of you and have always given satisfaction.

MRS. W. M. FISHER, Savannah, Mo.

I am more than pleased with the Three Kings Onion bought of you. They are the largest I ever raised. The Pink Aromatic Celery is extra fine.

E. D. LOMAX, Drivens, Ills.

The Prize Taker onion and Cory corn gave me splendid results.

WM. MARANVILLE, Lewistown, Ills.

The Three Kings and White Globe onion seed did well, producing large, smooth onions.

D. H. BAILEY, Phila, Ills.

The onion seed bought of you gave us good results.

JNO. B. PETERSON, Gowrie, Ia.

TOMATO.

Ger. Leibesapfel.

One ounce will produce about 1,500 plants.

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

MATCHLESS.—Well worthy of its name, for in beauty of coloring and symmetry of form, it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit; the foliage is very rich. They are entirely free from core, of a very rich cardinal-red color, and are not liable to crack from wet weather. The fruits are of the largest size, and the size of the fruit is maintained throughout the season, the healthy growth of the foliage continuing until killed by frost. Had we to confine ourselves to one variety it would be *The Matchless*, for certainly no other *Tomato* will produce extra large fruits, so smooth, handsome and marketable as *The Matchless*. The skin is remarkably tough and solid, so that ripe specimens picked from the vine will keep in good marketable condition for more than two weeks. Its fine quality, solidity and long-keeping character is sure to make *The Matchless Tomato* a great favorite for both market and family use. Per pkt 5c., oz. 25c., $\frac{1}{4}$ lb. 80c.

LIVINGSTON'S BEAUTY.—Originated with 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, being of a very glossy crimson, with a slight tinge of purple. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c.

TURNER'S HYBRID or Mikado.—Very large, solid fruits but usually too rough for general use. Per pkt 5c., oz. 20c., $\frac{1}{4}$ lb. 65c.

NEW PEACH.—This peculiar variety, introduced by a Philadelphia firm, is a decided curiosity. The tomatoes in color are a deep rose with delicate bloom like the bloom or furze of a fine peach, making it almost impossible to recognize the detached fruits as tomatoes. Per pkt. 5c., oz. 30c.

IGNOTUM.—It is five days earlier than Dwarf Champion and away head of all the other standard sorts. It is very large, smooth, and regular, and extraordinarily solid, while the seed cavities are the smallest of any tomato. It only averages one-half as many seeds as the ordinary sorts. It is also very productive and uniform, the last pickings being scarcely inferior to the best of the season. It is of a very handsome deep-red color, ripens perfectly up to the stem, and remarkably free from cracking and rotting. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

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



"MATCHLESS."

MITCHELL'S EARLY.—Originated in Canada by the same man who brought out the Canada Victor. It is extra early, but the first fruits are inclined to be rough. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.



PICTURE ROCK.

PICTURE ROCK.—Our tests of the past year have again proved this to be one of the best varieties on the list. They are of good size, in fact rather large, and run so even and perfect in form, after the first few fruits, that they have the appearance of having all been made in one mould. They are smooth, of bright scarlet color, solid and of excellent quality. Per pkt. 10c., oz. 35c.

ACME.—Early, medium size, smooth, solid and productive. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

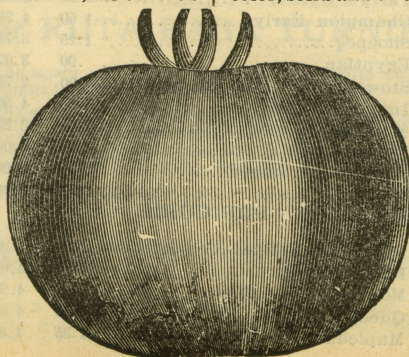
TROPHY.—One of the largest and best, fine quality, medium early, heavy and solid, great favorite. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

FAVORITE.—Large smooth, and very prolific. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

RED CHERRY.—Perfectly round and smooth, about the size of a cherry, handsome and fine for pickles or preserves. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. \$1.00.

RED CURRANT.—Quite ornamental, resembling long bunches of currants. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. \$1.00.

YELLOW PLUM.—Good for preserving and pickling: plum shape, solid and smooth. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. \$1.00.



IGNOTUM.

THE EARLIEST TOMATO IN THE WORLD



BOND'S EARLY MINNESOTA.—This handsome new variety which we now offer to our customers is, we verily believe, the earliest in existence. It originated in Minnesota but has been thoroughly tested elsewhere for two years with surprising results. Vines vigorous with rather small leaf. When quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. In packets only, per pkt. 10c., 3 pkts. for 25c.

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 U. S. writes us, "Bond's Early Minnesota is the best early tomato I have yet tried."

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 actually self

supporting when laden with fruit. In productivity 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. 25c., $\frac{1}{4}$ lb. 75c.

ATLANTIC PRIZE. Very popular with some market gardeners on account of its extreme earliness. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c.

CARDINAL. A large grand Tomato. The fruit is smooth, of a deep cardinal color, with flesh of the same rich hue, without a green core, very thick and solid, ripens evenly, has no green spots or ends, is a good keeper, and hence is a good shipper, matures at the same time as the Trophy, a vigorous grower and very productive. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

GOLDEN TROPHY. Our choice of the yellow varieties, color a beautiful canary yellow. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 85c.

SLICED TOMATOES.

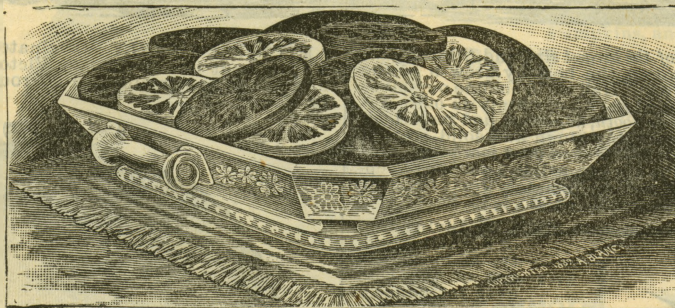
Alternate slices of red and yellow Tomatoes make one of the most ornamental dishes that can be put on a table. The Cardinal and Golden Trophy are especially nice for this purpose. Try them this year.

The seeds sent me for trial, viz.: Mikado Tomato and Reed's Prize Peas, were splendid. I believe every seed grew. S. C. Pulver, Keota, Iowa.

I believe your seeds are just what you claim they are. I have been patronizing your house for three years, and believe they are the best on the market. Gertrude Richardson, Hayesville, Iowa.

STRAWBERRY. See Ground Cherry. Per pkt. 5c.

OTHER SORTS. If wanted, we can furnish any of the following sorts at 5 cents per pkt., 25 cents per oz.: Canada Victor, Conqueror Paragon, Advance, Stone, Potato Leaf, Golden Queen, Gen. Grant.



CARDINAL AND GOLDEN TROPHY SLICED TOGETHER.

MIXED TOMATOES.

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

Will say that every seed without exception bought of you last year grew well and were true to name. C. E. Angier, Storm Lake, Ia.

I have used your seeds for eight years and they have never failed to give perfect satisfaction. Mrs. Grace McCrea, Strawberry Point, Iowa.

Am well pleased with seeds bought of you last year. M. A. Makin, Epworth, Iowa.

BEANS, CORN AND PEAS IN BULK.

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

BEANS.

DWARF VARIETIES.

	PK.	BU.
Henderson's Bush Lima.....	\$2.50	\$ 9.00
Early Mohawk.....	1.50	5.00
Refugee, or Thousand to One.....	1.50	5.00
Dwarf Horticultural.....	2.00	7.00
Improved Early Valentine.....	1.50	5.50
Large White Marrow.....	1.50	5.00
Wardwell's Kidney Wax.....	2.00	7.00
Golden Wax.....	2.00	7.00
Black Wax.....	1.75	6.50
White Wax.....	1.75	6.50
Yosemite Mammoth Wax.....	3.00	10.00
Currie's Rust Proof Wax.....	2.00	7.50
California Branch, or Prolific Tree	1.40	4.75

POLE VARIETIES.

Large Lima.....	2.25	8.00
White Dutch Case Knife.....	2.00	7.00
King of the Garden Lima.....	2.25	8.00
Out Shorts.....	2.25	8.00
Lazy Wife's.....	2.50	9.00

CORN.

GARDEN VARIETIES.

	PK.	BU.
Extra Early Cory.....	\$1.00	\$3.25
Early Minnesota.....	.90	3.00
Crosby's Early.....	.90	3.00
Perry's Hybrid.....	1.00	3.25
Champion Early.....	1.50	4.25
Shoepeg.....	1.25	3.75
Egyptian.....	.90	3.00
Stowell's Improved Evergreen....	.90	2.75
Improved Ruby.....	1.50	4.50
Mammoth Sweet.....	1.00	3.25
Black Mexican.....	1.25	4.00
Fodder Corn (sweet).....	.75	2.00

POP CORN.

Page's New Striped Rice (56 lb. bu.)	1.50	5.00
Fine White Rice.....	1.25	4.00
Monarch White Rice.....	1.35	4.50
Queen's Golden.....	1.35	4.50
Mapledale Prolific.....	1.35	4.50

PEAS.

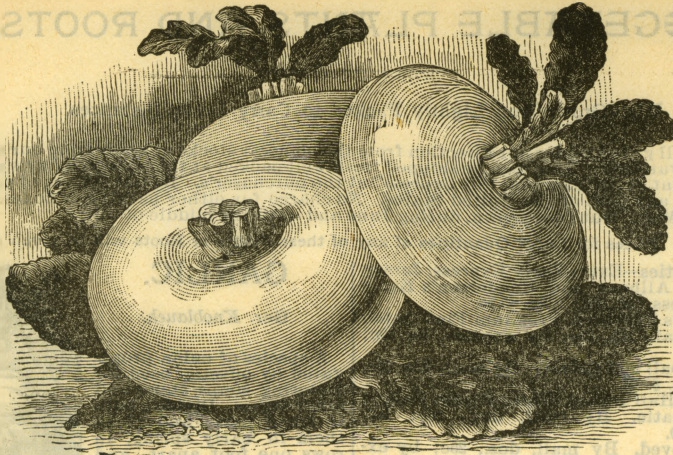
	PK.	BU.
Reed's Early Prize.....	\$2.00	\$7.00
Iowa's Extra Early Challenge....	1.40	5.00
Cleveland's Alaska ..	1.35	4.75
First and Best.....	1.25	4.25
Rural New Yorker.....	1.35	4.50
Bliss' American Wonder.....	2.00	7.50
Laxton's Alpha.....	1.50	5.25
Premium Gem.....	1.60	5.75
Bliss' Abundance.....	1.40	5.00
Bliss' Everbearing.....	1.50	5.25
Improved Advancer.....	1.35	4.50
Yorkshire Hero.....	1.25	4.25
Dwarf White Marrow.....	.90	3.00
Champion of England.....	1.25	4.00
Stratagem	2.00	7.00
Large White Marrow.....	.85	3.00
Black Eyed Marrow.....	.85	3.00
Dwarf Sued (edible pods).....	2.25	8.00
White Field.....	.65	2.25
Blue Field.....	.75	2.50

TURNIPS.

Ger. *Steckrube*.

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

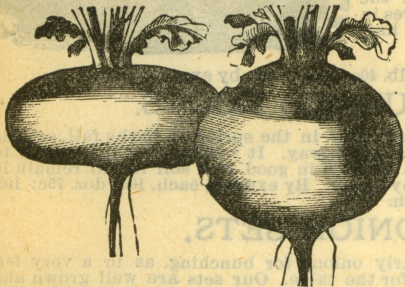
For early, sow in April. For main crop sow during July and August and just before or during a showery time if possible. Often by sowing an early variety as late as September 1st, a good crop can be obtained. The Purple Top Milan is excellent for this purpose. The soil should be rich and mellow, and kept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



NIMBLE DICK.

PURPLE TOP STRAP-LEAVED.—The standard for this part of the country. Superior for early or late planting. Round, flat, good sized, small top with but few leaves, flesh very fine grained, flavor good. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.; five lbs. or more, not prepaid, 35c. per pound.

PURPLE TOP GLOBE.—Similar to above, except shape. This is the largest yielder of any turnip on the list, and very desirable for table use or stock. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.; five pounds or more not prepaid, 45c. per pound.



PURPLE TOP STRAP-LEAVED.

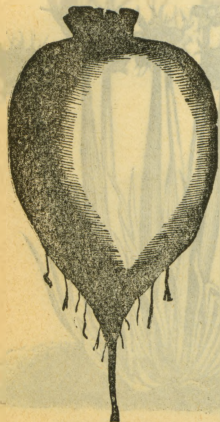
PURPLE TOP GLOBE.

EXTRA EARLY PURPLE TOP MILAN, Strap-leaved.—This splendid new Turnip is one of the earliest in cultivation. The bulb is very flat, of medium size, quite smooth, with a bright purple top; leaves few, short, and of light color growing very compact, and making an exceedingly small top. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., per lb. 75c.

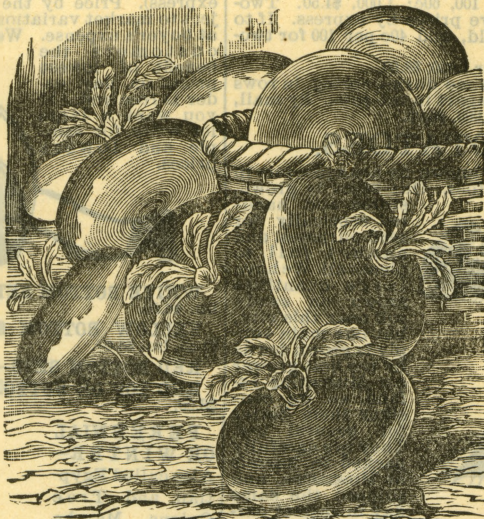
YELLOW ABERDEEN.—Excellent for cattle feeding. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 70c.

EARLY WHITE EGG.—Very early and particularly desirable for the table, flesh firm and fine grained, sweet and sugary, and of snowy whiteness, egg shaped. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

MIXED TURNIPS.—All the table varieties of turnips mixed in equal proportion. A desirable mixture for family use. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



EARLY WHITE EGG.



EXTRA EARLY MILAN.

SWEDES, or RUTA-BAGA TURNIPS.

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

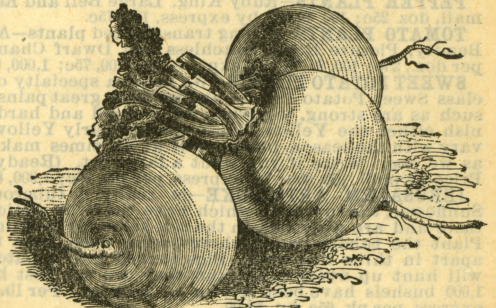
IMPROVED AMERICAN.—This is the leading yellow fleshed variety, very solid, fine quality, valuable for the table and feeding stock. Very hardy and productive, and we consider it in every way superior to all other varieties. Keeps well. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

WHITE SWEET GERMAN.—Large size, oval form and very solid, flesh pure white and sweet. This is the best keeping variety. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 65c.

CARTER'S IMPROVED HARDY SWEDE.—Large size, excellent quality and an immense yielder. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

ENGLISH RAPE.—Not a Ruta-Baga, although closely allied, cultivated for its tops, which are valuable for feeding stock. It forms no bulb. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

NIMBLE DICK.—(Novelty)—We are pleased to introduce this new variety as the earliest and most delicious table turnip in existence for early use. It is extra early and produces handsome fair sized turnips in a very few weeks from time seed is planted. The shape and smallness of top is well shown by our engraving. The color is a clear translucent white, flesh crisp and almost as brittle as a radish and of excellent flavor. Sure to become popular with market gardeners for early bunching. Is very popular in some parts of England and Scotland where it is known but we believe has never been offered by any other seed firm in the United States. All of our customers should try it. Per pkt. 5c, oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.20.



ORANGE JELLY OR GOLDEN BALL.

ORANGE JELLY, or Golden Ball.—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 keepers. Always brings a good price in the market. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

LARGE WHITE GLOBE.—Fine for field culture, very productive. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

EARLY WHITE FLAT DUTCH.—Of quick growth, juicy, mild flavor, and excellent quality. Per pkt. 5c, oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c.



IMPROVED AMERICAN RUTA-BAGA.

VEGETABLE PLANTS AND ROOTS.

Well-Grown and Lightly Packed to Carry Long Distances.

The fact that these plants are all grown under our direction from the choicest stocks of seeds from our store is sufficient recommendation as to the genuineness of the varieties. 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 hot-bed or cold frame are ready during April and May. Out-door grown, during June and until the middle of July.

500 at the 1,000 rate. Prices for Large Quantities of any of these Plants or Roots will be given on application.

CABBAGE PLANTS—Early Varieties—Extra Early Express, Jersey Wakefield, All Seasons, Burpee's Allhead and Henderson's Early Summer—by mail, 100, 75c; by express, 100, 50c; 1,000, \$3.50.

Late Varieties—Surehead, Chase's Excelsior, Premium Flat Dutch and Short Stem Drumhead—by mail, 100, 75c; by express, 100, 40c; 1,000, \$2.00.

CAULIFLOWER PLANTS—Snowball and Erfurt. By mail, doz. 20c, 100, \$1.25; by express, 100, \$1.00; 1,000, \$7.00.

CELERY PLANTS—Henderson's Half Dwarf, White Plume, Golden Self Blanching, and Pink Aromatic. By mail, doz., 20c; 100, \$1.00; by express, 100, 60c; 1,000, \$4.00.

EGG PLANTS—New York Improved. By mail, doz., 25c; by express, 100, \$1.00.

PEPPER PLANTS—Ruby King, Large Bell and Red Cayenne. By mail, doz. 25c; 100, \$1.00; by express, 100, 75c.

TOMATO PLANTS—Strong transplanted plants—Acme, Perfection, Beauty, Picture Rock, Matchless and Dwarf Champion. By mail, per doz., 25c; 100, \$1.00; by express, per 100, 75c; 1,000, \$5.00.

SWEET POTATO PLANTS—We make a specialty of supplying first class Sweet Potato Plants, and we take great pains to send out only such as are strong, vigorous, well-rooted and hardy. We can furnish either the Yellow Nansmond or Early Yellow Jersey. Prices vary with the season, but we will at all times make as low a price as we can. Write if you want a large lot. (Ready about May 1st.) Price by mail, 100, 60c; by express, per 100, 25c; 1,000, \$2.00.

JERUSALEM ARTICHOKE—Is really a tuberous-rooted hardy Sunflower, the tubers of which have the true Artichoke flavor and taste and are esteemed in the raw state for pickling or as a salad. Plant the tubers two or three inches deep, nine to twelve inches apart in three foot rows. Pigs turned into a patch of Artichokes will hunt up every tuber, and they are the best hog food known. 1,000 bushels have been grown on an acre. Per lb. by mail, 30c; by express, per pk. 65c. bu. \$2.00.

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

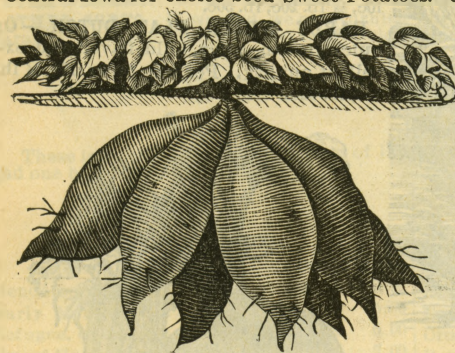
Conover's Colossal—One-year-old roots, 100, 60c; 1,000, \$4.50. Two-year-old roots, 100, 75c; 1,000, \$6.00. Above prices by express. If to be mailed, add 20c per 100 for one-year-old, and 40c per 100 for two-year-olds.

Palmetto—Two-year-old per 100, \$1.00; per 1,000, \$8.00.

HORSE RADISH SETS—Plant at any time during spring, in rows two feet apart and about eighteen inches apart in the rows. By mail, per doz. 35c; by express, per 100, 75c; per 1,000, \$6.00.

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. We have large quantities grown on sandy soil near this city, but our main supply is grown for us by the best grower on Muscatine Island, as we consider them better for general use. They are carefully packed in barrels at Muscatine, and shipped the same day in special carload lots, arriving here the next morning, and are immediately re-shipped to our customers. If desired, we will ship them in barrel lots direct to purchasers from Muscatine at lowest Muscatine prices on day of shipment. 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 weather or rough handling, but we cannot guarantee safe delivery. Write for prices on large lots. We ship about April 12th, usually.



EARLY YELLOW JERSEY—In spite of the many so-called new varieties, all of which we have tested, the early Yellow Jersey holds the first place. The earliest, most productive, of short, "chunky" shape, and of the best quality. Not stringy. Very few small ones. Per pk. 65c, bu. \$2.00, bbl. \$4.50.

YELLOW NANSEMOND—The old standby, by some growers considered equal to the Jersey. Per pk. 65c, bu. \$2.00, bbl. \$4.50.

RED JERSEY, RED NANSEMOND, EARLY GOLDEN, WHITE SOUTHERN QUEEN—We can supply if ordered by April 5th, at 75c per peck, \$2.50 per bu.; \$5.50 per bbl.

SPECIAL—Seed Sweet Potatoes are very scarce this year and prices are subject to change. Better write us for special prices stating quantity desired.

GARLIC.

Ger. Knoblauch.

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



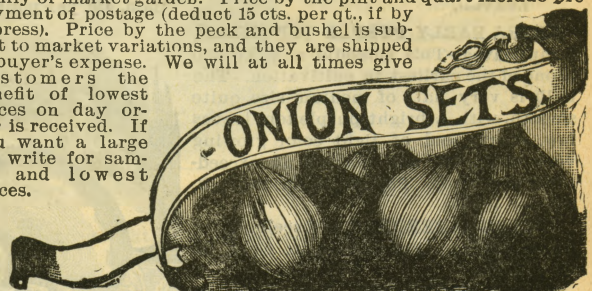
GARLIC SETS—Per lb. 40c, post-paid; by express per lb. 30c.

RHUBARB ROOTS.

These may be planted early in the spring or in the fall, setting the roots three feet apart each way. It requires but little labor to plant, and when once planted in good rich soil it will remain in bearing condition many years. By express, each, 10c; doz. 75c; 100, \$4.50. By mail, 15c each.

ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. Our sets are well grown and of the very best size and shape, and sure to please for either the family or market garden. Price by the pint and quart include prepayment of postage (deduct 15 cts. per qt., if by express). Price by the peck and bushel is subject to market variations, and they are shipped at buyer's expense. We will at all times give customers the benefit of lowest prices on day order is received. If you want a large lot write for sample and lowest prices.



WHITE BOTTOM SETS—From seed. Per pt. 25c, qt. 50c, pk. \$1.75, bu. \$6.50.

YELLOW BOTTOM SETS—From seed. Per pt. 25c, qt. 40c, pk. \$1.65, bu. \$6.00.

RED BOTTOM SETS—Per pt. 25c, qt. 40c, pk. 1.60, bu. \$5.75.

RED TOP OR BUTTON SETS—Per pt. 25c, qt. 40c, pk. \$1.65, bu. \$6.00.

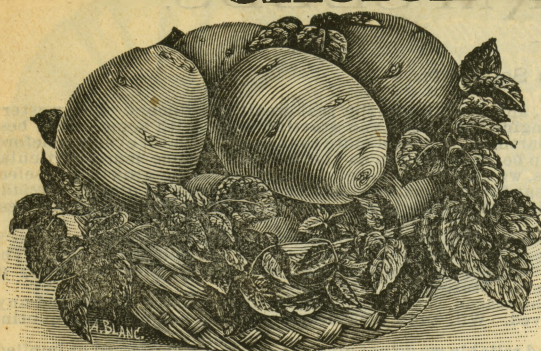
PERENNIAL OR WINTER—

Also called Egyptian and Tree Onions. May be set out in spring, but are usually set in the fall. Highly valued by gardeners, as they produce the earliest spring onions, and after once set out require no other care, but come up year after year without the slightest winter protection. Per pt. 20c, qt. 35c, pk. \$1.40, bu. \$5.00.



EGYPTIAN, PERENNIAL OR WINTER.

CHOICE SEED POTATOES.



EARLY OHIO.

EARLY OHIO.—This standard extra early sort, maturing about 10 days to 2 weeks before the Early Rose. It is deservedly popular in all parts of our country. Our seed is of good average size, strictly pure, smooth, nice, and free from scab and rot. They were grown in northern Minnesota, about two hundred miles northwest of St. Paul. We have been testing potatoes from that section for several years here in Iowa and they will positively mature ten days earlier than other stock grown here and out-lying them two to one. Don't plant Iowa grown when you can obtain these. Per pk. 75c., bush. \$2.25, two bush. or more at \$2.00 per bushel.

VAN ORNAM'S EARLIEST.—This magnificent novelty of 1891 originated with Van Ornam Bros., of Cass county, Ia., the originators of Burpee's Extra Early and several other standard varieties and they call this the best of all. Introduced by us. Smooth, of excellent shape, and resembles the Early Rose in color before ripe, but turning to a creamy white. Size is large to very large, with very few small ones. Skin thick and tough, resisting scabs and worms much better than other early varieties. In table qualities one of the very best. Yields an immense crop during dry seasons. Has ripened its whole crop 1 to 3 weeks earlier than other extra early varieties. Per peck. \$1.00; bushel \$3.00.

POTENTATE.—Grows large, a heavy cropper and good keeper. The tubers are large, round, very shallow eyes; quality is excellent. Per pk. 75 cts., bu. \$2.00.

POLARIS.—This new early potato has created quite a sensation. It is of long oval shape, creamy white in color, cooking white as finest flour. Is hardy, prolific, handsome, early, a good keeper; has yielded 600 bushels to the acre. Per pk. 75 cts., bush. \$2.00.

BONANZA.—This magnificent variety, which we introduced in 1887, is a medium late; has become one of the leading varieties for main crop. Tubers large, oblong, somewhat flattened; skin smooth, flesh firm, white and fine grained. Productive and of superior quality. Per pk. 75 cts., bush. \$2.00.

It will pay you well to change your seed this year. The following are the most desirable varieties we have found for this State, and most of them will doubtless be highly satisfactory to our customers elsewhere. 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. At prices named we make no charge for boxes, barrels or drayage. Special prices on large lots given on application.

When to be shipped over more than one line of railroad, purchasers should make arrangements to have them go prepaid, so as to avoid delay.

All of the following varieties will be found worthy of a place in any garden.

At the pound price we will send them by mail prepaid; at the peck or bushel rates they are to be sent by express or freight, at expense of purchaser.

POUND PRICES.—All varieties of potatoes 30 cts. per lb; 3 lbs., for 75 cts., by mail postpaid, except the Columbian Peachblow.

The Concave and Curved Seed Potato Knife.—Is thin and right shape to cut one, two and three eye pieces fast and not crack the tuber or injure the germs. Price, 35 cts. each, post-paid.

COLUMBIAN PEACHBLOW.—Novelty 1893, introduced by the Iowa Seed Co. See illustration and description on colored plate, and don't fail to try it. Per lb. 50 cts., or 3 lbs. \$1.25. By express, 3 lbs. 75 cts., peck \$2.00.

FREEMAN.—(New.) The tuber is oval in shape, russet in color; flesh very white, both raw and when cooked; very fine grain and very best flavor. The greatest merits of the variety are its extreme earliness and long keeping qualities. From the time they are as large as hen's eggs until new potatoes come in the next year they burst open when boiled with their jackets on, appearing snow-white and floury. Has matured in 39 days from planting. A good yielder. Per lb. 40 cts., 3 lbs. \$1.00; pk. \$1.00, bush. \$2.50.

EARLY EVERITT.—Tubers very large and uniform in size, grow compactly in the hill, with few eyes, which are mostly flush with the surface; skin slightly russeted. The table qualities are excellent, cooking through evenly and quickly; flesh dry and mealy either baked or boiled; an excellent keeper that retains its good qualities all through the season. Per peck 75 cts., bushel \$2.25.

EARLY IOWA BEAUTY.—Unable to supply this year.

EARLY BEAUTY OF HEBRON.—Per pk., 75 cts., bu., \$2.00.

RURAL NEW YORKER.

No. 2.—This originated on the experimental grounds of the Rural New Yorker, where more than five hundred varieties have been tested practically during the past 12 years, and it proved the largest yielder of any. It is large and unusually smooth, with few and shallow eyes; the skin is white as is the flesh, which

is of superior quality. It is medium late and the best drouth resister on the list. Its only fault is that on some soils the tubers are hollow. Peck 75 cts., bushel \$2.00.

PARSON'S PROLIFIC.—Introduced by us in 1882. D. W. Faulkner, the largest grower of potatoes, and by some called the "Potato King of Iowa," calls the Parson's Prolific by

far the best main crop potato in cultivation for Iowa growers. His shipments amounted to over one hundred carloads last year, and they are being sold in many places for choicest Colorado grown stock. 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 few small ones and no overgrown large potatoes. It is the Potato for main crop and it will pay you to plant some of them this year. Per pk. 75 cts., bush. \$2.00; two bushel or more at \$1.75, ten bushels or more at \$1.50 per bushel.



VAN ORNAM'S EARLIEST.

COLLECTIONS OF POTATOES.

One peck each of Van Ornam's Earliest, Northern grown Early Ohio, Columbian Peachblow, and Parson's Prolific, for \$3.50.

The purchasers of this collection will have the two best early and the two best late varieties in existence for general use and it is a most desirable assortment.

POUND COLLECTION.—For those who wish to test all sorts we offer one pound each of the above eleven varieties, by express, for \$1.25, all properly labeled.

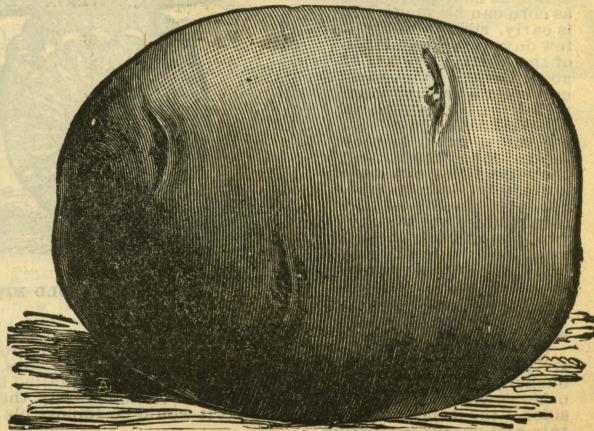
Potato Seed from the Flower Seed Ball.

We have a small quantity of very choice potato seed from the flower ball (the true seed), which we are pleased to offer to our customers who would try to raise new kinds of potatoes. Plant in fairly rich soil; give them good cultivation. Per pkt. 15 cents.

The money I invested in your Parson's Prolific Potatoes was indeed well spent. M. M. Sheets, Yale, Iowa.

The Van Ornam Potatoes that we bought of you last spring were splendid ones. Mrs. Thos. Lytle, Frederica, Iowa.

SLUG SHOT WILL KILL THE BUGS.



PARSON'S PROLIFIC.

SELECTED FARM SEEDS.

Choice Recleaned Grass Seed, etc.

Agriculture in its various branches is the life and stability of this country, and the farmers the real wealth producers. The western farmers are beginning to understand the advantages to be derived from changing their seed and starting anew with some of the best varieties of recent introduction, and during the past year our trade in this department has been more than double what it ever was before. The yield of corn and all kinds of grain will be greatly increased, and the crop be more certain as the farmers become more particular about their seed. Realizing the vast importance of this branch of our business, we devote our careful attention to the growth and selection of the best farm seeds of all sorts. We are located in the heart of the great farming country, and our seed grain is *grown especially for seed*, in the section best suited to its development and perfect maturity. It is all carefully selected, thoroughly cleaned, of the best quality, and we sell at reasonable prices.

We take pride in our large and increasing trade in this branch of our business. With our improved machinery for cleaning, which is as perfect as any in the United States, we are enabled to clean seeds perfectly, far different from such as are commonly sold. The Nebraska Experiment Station tested clover seed from the leading seed firms of the country, and our seed stood the highest for purity of any west of Pennsylvania, and with one exception the highest of any in the United States.

Prices on clover, buckwheat and grass seeds are constantly varying with the season, therefore please write for prices if you need any. We will at all times give orders benefit of lowest price on day they are received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

NOTICE—While we exercise the greatest care to have all seeds pure and reliable we do not give any warranty expressed or implied. Samples sent for testing if desired. There is no premium or discount on seeds in this department.

SHIPPING—In this department everything that is quoted by the *packet or pound* is sent by mail *postpaid*; all large quantities, unless specially noted, are sent by express or freight, at the expense of the purchaser. Ten cents per pound can be deducted from pound rates, if wanted by express. Prices named include bags and delivering at depot here.

CHOICE IOWA SEED CORN.

It costs less than twenty-five cents an acre to use our carefully selected and tested seed corn. Is it wise to risk doubtful corn when good seed is so cheap?

The varieties of field corn we offer below are the best now in general use. They were grown especially for seed purposes, and were well matured, cured and shelled with great care.

The value of the corn crop in Iowa alone would be increased two million dollars by an average increase of one bushel per acre, and it has been demonstrated that the crops can be fully doubled by planting some of our improved varieties. 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 we have given this branch of our business our most careful attention, until now we can say without fear of contradiction, that for the season of 1894, we have the **best supply of seed corn ever offered by any seed firm in the world.**

For many years seed corn has been a very important part of our business, and we are every year experimenting and searching for valuable new varieties until we think we have now the cream of all, for this and other states of the same latitude. We warn Iowa farm-

ers to beware of southern varieties, or those offered by seedmen elsewhere which have not been tested here. 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. Some dealers last year seeing the great success we had made in the seed corn trade, purchased common crib corn and sold it out untested and under fictitious names, and it made their customers a great amount of trouble. We have now in stock about 5,000 bushels of choice seed corn which is all our own growing, has been carefully hand selected, and prepared for seed purposes. This is all intended for our retail trade as the wholesale orders were filled last fall, and we shipped it to some dealers in Europe also, in large quantity.

All our seed corn is very carefully tested, and none sent out that we are not certain will grow well under proper conditions. We do not warrant it, but we will mail samples for testing to prospective customers on request. If a large quantity is wanted ask for prices. No extra charge for bags.

IOWA GOLD MINE CORN.

BEST VARIETY OF CORN IN THE WORLD.

Everyone who has tried it is enthusiastic in the praise of this splendid new variety which we introduced in 1892.

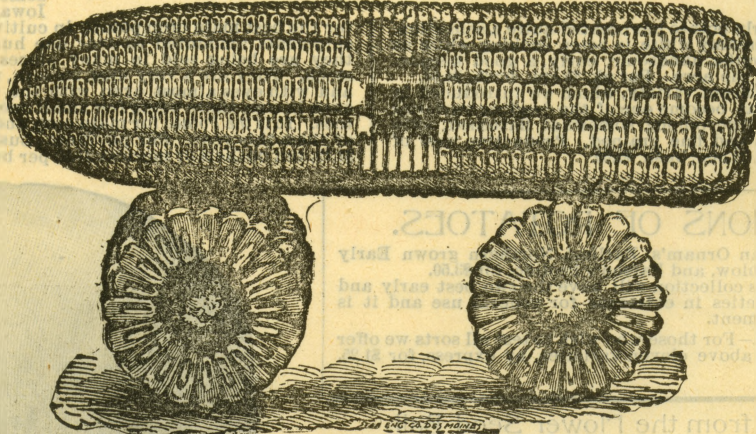
Iowa is not called a gold mining state, but in this grand new variety, farmers of this country will find a veritable mine of wealth. It has everywhere received the most cordial endorsement as the best and most profitable variety ever grown. This variety origin-

ated as follows: Five years ago a special premium offered 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 \$20.00 gold coin just from the mint; grain is very deep; cob small; and therefore dries out very quickly as soon as ripe. Seventy 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 size 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 equalled by any other corn in the world. Thousands of our customers say they consider it the *ne plus ultra* in corn. That it would be impossible to attain any nearer perfection.

We can most confidently recommend it as the acme of perfection and stake our reputation on its pleasing every one who tries it. It will grade No. 1 in any market.

We shall not be satisfied until every farmer in Iowa has seen a sample of this grand new variety. We will be glad to mail you a sample free for examination if you desire it.

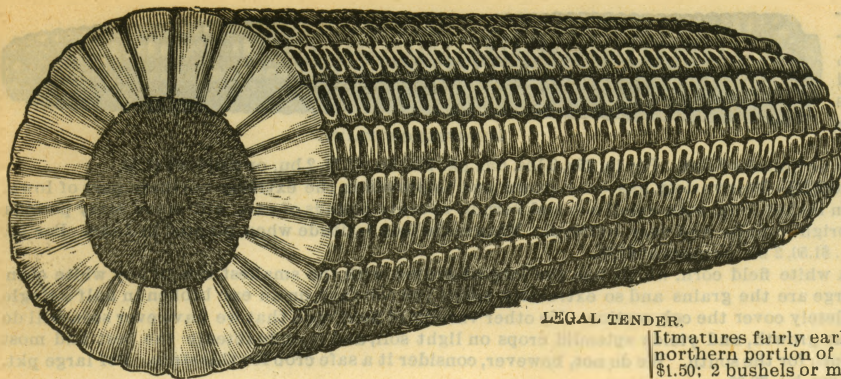


IOWA GOLD MINE CORN.—(From a Photograph).

Remember if you want pure Iowa Gold Mine Corn, you must purchase it direct from us, as we have not furnished any to any other dealer in Iowa this year. Don't be deceived. If you purchase from your local dealer, insist on seeing that our label is in 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.

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. Per lb. 30c, 3 lbs. 75c; pk. 65c, bu. \$1.75; 2 bushels or more at \$1.50 per bu.; 10 bushels or more at \$1.35 per bushel.

ORDER EARLY.—Last year and the year before we were obliged to return a large amount of money sent us by our customers for this corn. We think we have sufficient this year, but still it will pay you to send your order early, as there is sure to be an immense demand.



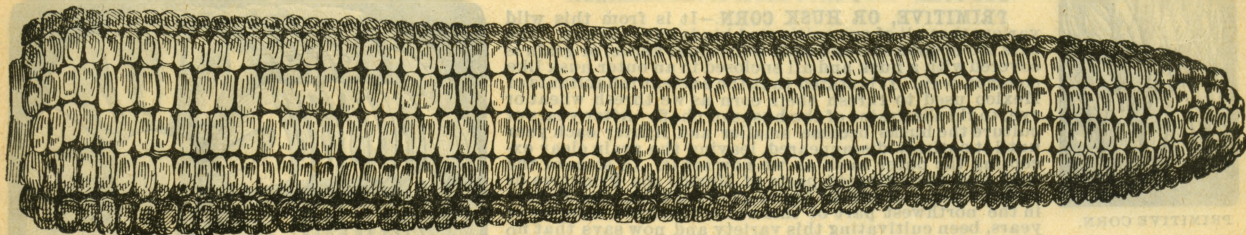
LEGAL TENDER.

LEGAL TENDER—With the exception of our "Iowa Gold Mine," we consider the "Legal Tender" the best variety of Yellow dent corn for Iowa, Illinois, Nebraska and the south. It is the result of about ten years' selection by a seed corn specialist in Mills county, Iowa, and has taken first premium at many State and county fairs.

The corn is of uniform pure yellow color, a long ear and 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 16 to 20 rows, and 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 crinkle."

It matures fairly early, but we do not recommend it for the extreme northern portion of the State. Per lb., 25c; 3 lbs., 60c; pk., 65c; bu., \$1.50; 2 bushels or more, \$1.35 per bushel; 10 bushels or more at \$1.25



EARLY LONGFELLOW DENT.—From a photograph.

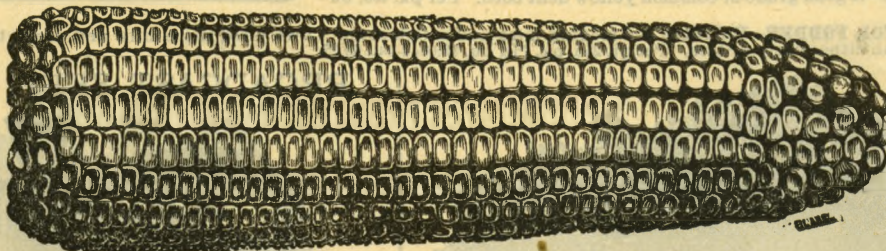
EARLY LONGFELLOW DENT—(Novelty 1893). For several years one of our growers has been at work originating this new sort, the object being to obtain a variety fully as early as Pride of the North and much larger. He succeeded so well that last year we sent it out to our trade for trial and it has given the greatest satisfaction, so that now we take pleasure in introducing it. The accompanying

engraving was accurately made from an ear of the corn and well shows its shape which is different from any other sort in existence and suggested the name. We recommend it highly to our many customers in northern Iowa and Minnesota as the best early corn ever offered. The grower who has now had it

for several years claims that it yields as well as any of the large sorts. Stalks of medium height, strong and not easily blown down. Ears have 12 rows, and are 10 to 14 inches in length. Per lb., 25c; 3 lbs., 60c; pk., 65c; bushel, \$1.50; 2 bushels or more, \$1.35.

CLARK'S EARLY MASTODON—Originated with C. S. Clark, of Wakeman, Ohio, the largest grower of sweet and field corn for seed purposes in America. He says: "I claim for this corn that it is

the largest eared and the largest gain early dent corn ever seen in this country." We have grown it in this State for two years, and our seed is thoroughly acclimated. It is the talk of the farmers who have seen it. We do not recommend it north of central Iowa. Per lb. 25c., 3 lbs. 60c., pk. 65c., bu. \$1.50, 2 bus. or more \$1.25 per bu.



CLARK'S EARLY MASTODON.

CHAMPION WHITE PEARL—True merit has won laurels for this corn, and it is now universally recognized and catalogued as the leading standard variety of thoroughbred, pure white, medium-sized early white dent corn suitable for general crop. Matures in ninety to one hundred days; is very prolific; the grain is extra deep and wide, with small cob. Will grade No. 1 white in any market if sound and well cleaned. The stalk is short and thick, and roots very deeply, with ear growing low upon it, thus standing our severe storms and drouths well. Per lb., 25c; 3 lbs., 60c; pk., 65c; bu., \$1.50; 2 bus. or more, at \$1.35; 10 bus. or more, at \$1.25.

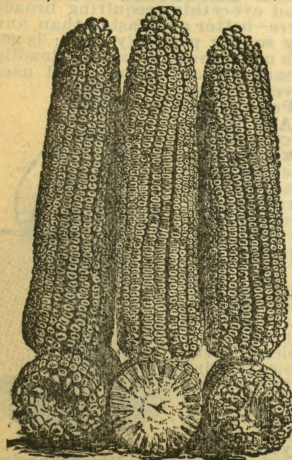
The Longfellow Dent Corn is a No. 1 variety, it did remarkably well for me. The seed bought of you produced large heavy ears, weighing as high as 1½ lbs.

JOHN OSBORN, Meeker Co., Minn.

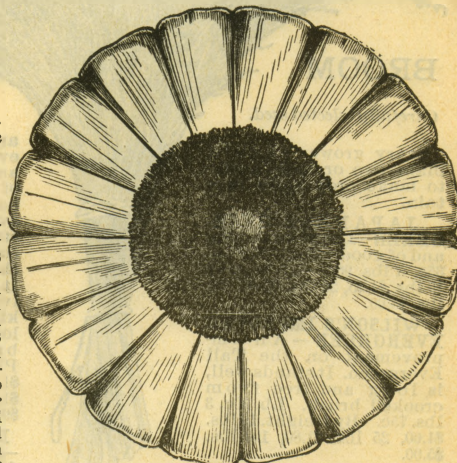
I think the Legal Tender Corn is the best I ever grew.

L. C. DENISON, Washington Co., Iowa.

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 nice lot in the hands of an enterprising Iowa farmer, who had been selecting it for several 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. It will ripen in 100 days, has medium size ears, grains of good depth, and rich golden yellow color. Many of the corn growers who attended the State corn show here last winter, saw several hundred bushels of this variety cribbed up in our store and said it was the handsomest lot of corn they had ever seen. It really does stand second only to our Iowa Gold Mine in handsome appearance. It is very productive when compared with the common varieties of field corn, and we are sure will please our customers. Remember it can only be obtained by ordering direct from us. Dont put up with the old variety of Leaming when you can obtain this great improvement. Per lb. 25c; 3 lbs. 65c; pk. 60c; bushel, \$1.50; 2 bushels or more at \$1.35; 10 bushels or more at \$1.25 per bushel.



STAR LEAMING.



CHAMPION WHITE PEARL.



PRIMITIVE CORN.

better corn can be grown for feeding cattle. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Per large pkt. 10c.

LONGFELLOW, Flint.—This is an eight-rowed yellow flint variety, the result of careful selection. The ears are from ten to fifteen inches long, one and one-half to two and three-fourths inches in diameter; are well filled out to extreme end of cob. The cob is small, kernel large and broad. This corn is well adapted to the Northwest, and is said to have produced two hundred bushels of ears to the acre in Massachusetts. In ordering, be sure and put in the word flint, to distinguish from our Longfellow Dent. Per lb. 30c, 3 lbs. 75c, pk. 75c, bu. \$2.50.

YELLOW DENT.—A good grade of common yellow dent corn. Per pk. 40c, bu. \$1.00, 10 bu. \$9.00.

SWEET CORN FOR FODDER.—Valuable for feeding hogs and milch cows. Cows yield more milk and are in better condition if fed on it. We can furnish either early or late. Per qt. 25c, pk. 75c, bu. \$2.00, 2 bu. \$3.25.

KING OF EARLIES—

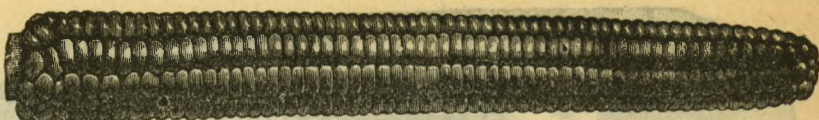
Originated with Mr. Goddard, of Kossuth county, Iowa, who originated also the now famous Pride of the North, is a week to ten days earlier than Pride of the North or Canada Flint. Per lb. 25c, 3 lbs. 65c, pk. 75c, bu. \$1.75, 2 bu. or more at \$1.50.

PRIDE OF THE NORTH—This variety has been grown and improved in the extreme northern part of Iowa. The ears are eight to ten inches long, with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange, and very uniform. Matures in this latitude when planted in June. Per lb. 25c, 3 lbs. 65c, pk. 60c, bu. \$1.50, 2 bu. or more at \$1.35.

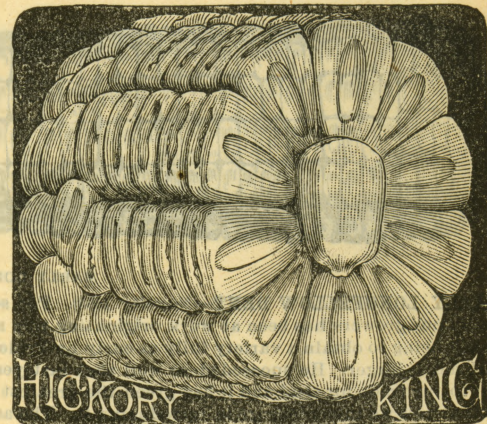
HICKORY KING—A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost completely cover the cob section. No other variety of field corn that we have ever seen will do this. Of strong, vigorous growth, and yields splendid crops on light soil, and is undoubtedly the best and most productive white field corn for the south. We do not, however, consider it a safe crop for this state. Per large pkt. 10c, lb. 30c, 3 lbs. 75c, pk. 75c, bu. \$2.00.

POP CORN—See pages 9 and 28 of this catalogue.

PRIMITIVE, OR HUSK CORN.—It is from this wild variety that all of our cultivated kinds have sprung. The ears are of good size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. It is stated that the ancient inhabitants of Mexico used to thresh their corn as we thresh wheat or rye, to rid the grains of the husks or chaff. After years of culture the husks became smaller and lighter each year until it entirely disappeared, leaving the grain clear excepting the outer husk as we now see it. In some of the wild and uncultivated parts of Mexico the Primitive or natural corn can still be found growing wild. One farmer in the northwest part of this state has, for a number of years, been cultivating this variety and now says that no



LONGFELLOW FLINT.



HICKORY KING



BROOM

Carefully selected seed.

Every grower should plant two or more sorts, to make crop more certain.

JAPANESE EVERGREEN—Long brush, fine and of good color. Per lb. 35c, 3 lbs. 96c. By freight 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$5.00.

WILSON'S IMPROVED EVERGREEN—An improvement on the Tall Evergreen. It stands well, is long and free from crooked brush. Lb. 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.00, 25 lbs. \$1.80, 100 lbs. \$5.00.

CALIFORNIA GOLDEN—Lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 60c, 25 lbs. \$1.50, 100 lbs. \$4.00.

TALL, or Missouri Evergreen—A standard sort. Lb. 25c, 3 lbs. 60c, By freight, 10 lbs. 60c, 25 lbs. \$1.10, 100 lbs. \$3.00.

I was well pleased with the California Golden Broom Corn seed you sent me.

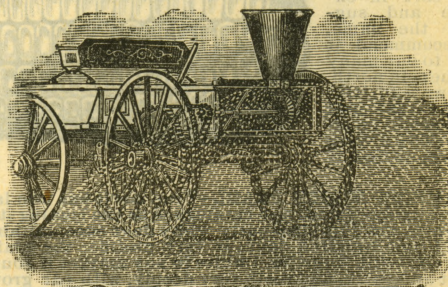
AUSTRALIAN.
Lb. 25c, 3 lbs. 60c, 25 lbs. \$1.50, 100 lbs. \$4.00.

AUSTRALIAN—Is really the finest and makes the most even and perfect shaped and colored hurl 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. Pkt. 10c, lb. 40c, 3 lbs. \$1.00. By freight, 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$9.00.

DWARF EVERGREEN—Lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

CORN.

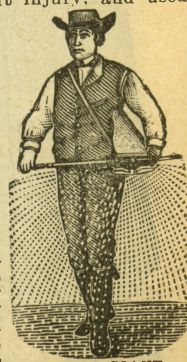
BROADCAST SEED SOWERS.



IMPROVED STROWBRIDGE BROADCAST SOWER.—It sows all grains, grass seeds and everything requiring broadcasting—any quantity per acre—better and faster than any other method. Saves seed by sowing perfectly even; is not affected by wind, as the seed is not thrown upwards. Readily attached to any wagon or cart without injury, and used wherever they can be driven. Sows 80 acres of wheat per day. Price, \$11.00.

GRANGER HAND BROADCAST SEED-SOWER.—An improvement on the Ca-hoon. With it you can sow all kinds of grain and seed to your perfect satisfaction. It is a good, substantial and nice little machine, cheap and durable, light itself, and runs lightly, and can be used equally well by man or boy. Farmers who have grass seed or small grain to sow, will find the purchase of a "GRANGER," a most profitable investment. Price \$3.50.

THE LITTLE GIANT HAND BROADCAST SEED-SOWER.—As can be seen by the illustration, it is 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, blue grass, red top, clover, timothy, wheat, etc. Even if you have only a small field to sow it will pay you to have one of these so as to get it distributed evenly. By purchasing a large number for cash we are enabled to offer them at a heretofore unheard of low price. Only \$1.50 each.



LITTLE GIANT.

THE LINCOLN OATS.

For several years we have been trying to obtain a variety of oats which would prove entirely satisfactory in all respects to our customers, and last year we secured this splendid new variety in Minnesota, where it originated. We sold a large quantity to our customers last year and although it was a bad season we received favorable reports everywhere, and all agreed that it was the least affected by rust, stood up the best, and yielded the best of any variety in their neighborhood.

Five hundred dollars in cash prizes were offered last year for the largest amount grown from one bushel of seed sown, and were awarded as follows:



A. M. Hightower, Stevensville, Montana, 174 bushels 19 pounds.

G. L. Gordon, Willow Creek, Montana, 168 bushels 22 pounds.

J. F. Wood, Stevensville, Montana, 123 bushels 8 pounds.

R. L. Bradley, Padilla, Washington, 120 bushels 13 pounds.

William Gans, Millard, Nebraska, 78 bushels 18 pounds.

R. N. Lewis, Red Hook, New York, 76 bushels 16 pounds.

James Young, Sheldon, Montana, 75 bushels 21 pounds.

Making an average yield of over 116 bushels to each bushel of seed sown. When it is considered that the usual amount of oats sown to the acre is $2\frac{1}{2}$ to $3\frac{1}{2}$ bushels, a moments consideration will show that the above record is beyond parallel.

Our claims for this grand variety are as follows:

First. That the Lincoln Oat has produced one third more than any other variety grown in the same localities.

Second. It is very early.

Third. It has thus far proven itself entirely rust-proof.

Fourth. It stands up better than any other sort (no season could have afforded a better test in this particular than the one just passed).

Fifth. It is best for feeding on account of its soft nib, heavy meat and thin hull.

Sixth. It is best for oat-meal or grinding for the same reasons.

We have made price low this year so as to induce all our customers to give it a trial. Per lb. 30cts., 3 lbs. 75cts.; pk., 60cts.; bushel, \$1.25; 2 bushels or more at \$1.15; 10 bushels or more at \$1.00.

EARLY WHITE DAKOTA OATS.—This new early variety originated in Dakota, but has been thoroughly tested in this State during the past seven years, and proved in all respects to be desirable. Very plump, heavy kernel, large heads and stools out exceptionally well. It has a record on Dakota soil of 159 bu. hls to the acre. Is of medium height, with a strong stiff straw fully capable of supporting the heavy weight; entirely free from rust and yields an immense crop. It will pay every farmer to try it. Per lb. 25c; 3 lbs. 65c; pk. 50c; bu. \$1.00; 10 bus. \$9.00.

WHITE BONANZA.—Most excellent variety which has yielded immense crops in some places. It is of early vigorous growth and very productive. Grains short and plump. Per lb. 20c; 3 lbs. 50c; pk. 40c; bu. \$1.00; 10 bus. \$9.00.

VELVET CHAFF OR BLUE STEM WHEAT.—Several years' test has proven that this does the best of any sort throughout Iowa. It is a remarkable, semi-hard spring wheat, yielding large crops free from rust. The millers here pay five to six cents per bushel more for it than for any other sort. Per lb. 25c; 3 lbs. 60c; pk. 50c; bu. \$1.75; bag of $2\frac{1}{2}$ bus. \$4.00.

TURKISH RED WINTER WHEAT.—Has proved to be invincible, and every year without exception it produces a good paying crop. It is strictly Iron Clad and almost entirely free from rust, blight and scab, and lives through the winter in the most exposed places. The straw is stiff enough to hold up the heavy heads well and it rarely fails to stand up well in all parts of the field on any kind of soil. It has a record of 44 bushels to the acre under favorable circumstances, and the seed which we are now offering was from a crop which yielded $35\frac{1}{2}$ bushels to the acre. The grains are plump and handsome, and quite hard. It stools out the best of any variety we know of, its manner of growing somewhat resembling rye. It is a certain crop in all parts of Iowa, Nebraska, Illinois and Missouri, and has given excellent results in some parts of Minnesota. Price \$1.00 per bushel; 10 bushels for \$9.50; 20 bushels for \$18.00, sacks included.

I have used your seeds for four years, and find them first class in every respect; they always grow and do well.

F. V. SHAFER, Gower, Mo.

We are well pleased with all the seeds bought of you.

SAMUEL BANDY, Kossuth, Iowa.

PRICES

Include bags and delivering on cars.
There is no premium given on field seed orders.

FALL WHEAT.—Send for list in August.



WHITE DAKOTA OATS.



VELVET CHAFF, TURKISH RED.



JAPANESE BUCKWHEAT.—A splendid new variety which is about a week earlier than the Silver Hull, and yields almost as much again. From one grain planted in the garden the product was 850 ripe kernels. As will be seen by the illustration, the kernels are at least twice the size of those of any other variety; in color they are also distinct, being of a rich, dark shade of brown. The flour made from it is equal in quality to that of any other buckwheat, while it is much more productive than any other, and succeeds well far north. As the straw is heavier and its branches more it does not need to be sown as thickly as the other kinds. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. 40c 100 lbs. \$3.00.

EUROPEAN SILVER HULL BUCKWHEAT.—Yields more than the common. The grain is of a beautiful light silver gray color, husk is thinner, which saves from 15 to 20 percent waste in the process of manufacturing into flour, which is whiter and more nutritious. Per lb. 30c. By freight, 10 lbs. 40c. 100 lbs. \$3.00.

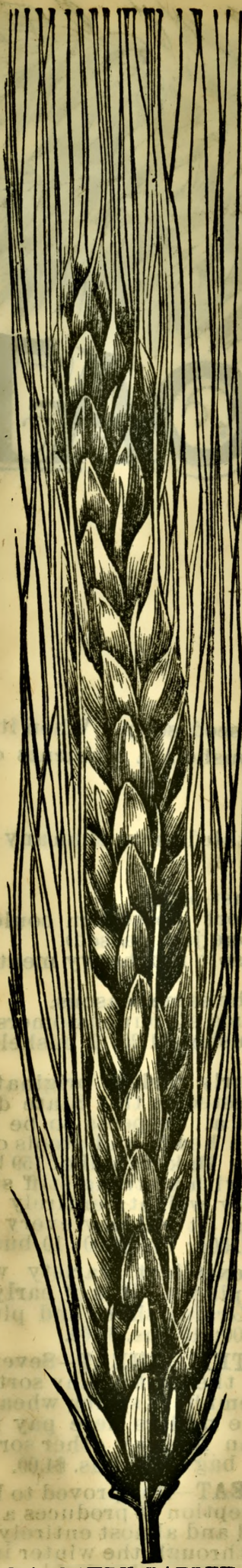
COMMON BUCKWHEAT.—(Selected)—By freight, 10 lbs. 35c., 100 lbs. \$2.50.

CANADA FIELD PEAS, White.—Each year there is a large increase in the number of our best farmers who sow field peas and they claim they are one of the most profitable crops for fattening stock, and especially for hogs. They are also a profitable crop for marketing the dry or split peas. Sow two bushels to the acre, or if with oats, sow one bushel of each. Per pk. 65c, bu. \$2.25.

BLUE OR GREEN FIELD PEAS.—Like above, except that color is a bluish green. Per pk. 75c, bu. \$2.50.



KAFFIR CORN.



MANSHURY BARLEY.

KAFFIR CORN.—An excellent fodder plant, yielding two crops of fodder during a season. Grows four to five feet high, upright stalk, with numerous large leaves, greatly relished by cattle and horses. Lb. 25c; by express, 10 lbs. 75c; 100 lbs. \$4.00.

DURRA, or SORGHUM VULGARE.—Valuable forage plant, growing to 10 feet in height and yielding an abundance of gray-green foliage, greatly relished by stock; grown as grain for poultry, making a cheap feed. It would pay every poultry breeder to put in some of this. Lb. 25c, 10 lbs. or more, by express, 6c lb.

PROLIFIC TREE BEANS.—This is quite a valuable variety for field culture; grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yielding 45 bushels to the acre. The beans closely resemble the White Navy. Per pkt. 5c, 1/4 pt. 15c, qt. 40c post-paid. By freight pk. \$1.40, bu. \$4.75.

MANSHURY BARLEY.—Is one of the very best six-rowed sorts grown, with kernels plumper, fuller than the best Scotch barley; while for malting it is the very best known. It is early in ripening, which helps it to fill well, thus it always fills plump. It has a strong, upright straw, and yields from 50 to 70 bushels per acre. The heads of this barley are very long, and contain from 75 to 100 great, plump, heavy kernels of grain. Professor Henry, of Wisconsin Agricultural College, in its report, says: "The Manshury still heads the list in productiveness." Per lb. 25c, 3 lbs. 60c, pk. 50c, bu. \$1.25, 10 bu. \$10.00.

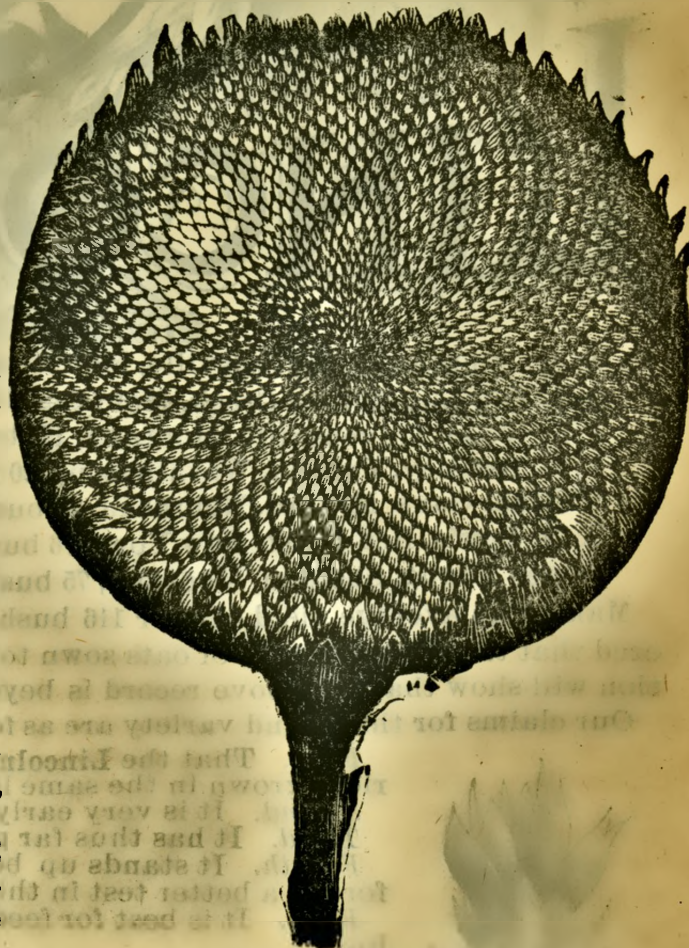
SPRING RYE.—This grain is often planted by the farmers especially for the paper makers, who prefer it to any other. The straw is shorter and stiffer than the winter variety and is always easily secured, while the grain, although smaller, is of equal value. Per lb. 25c, 3 lbs. 60c, pk. 65c, bu. \$1.50, 10 bu. \$12.50.

WINTER RYE.—Per pk. 45c, bu. \$1.00, 10 bu. \$9.00.

SEED FLAX.—It pays to own your own flax seed, instead of raising it on contract. It pays to raise flax; in many cases a single crop will pay for the farm on which it was raised. We have a nice supply of seed flax this year which we offer at low prices. Ask for quotations.

MAMMOTH RUSSIAN SUNFLOWER.

—The largest of all sunflowers. This is without doubt one of the best paying crops that can be raised. The seed makes the best of food for poultry, and can be raised at a very trifling cost (about one-third the cost of corn), and the stalks, which grow very large, make excellent firewood. It is also said to afford protection against malaria. Try a pound and see what great results may be obtained. Lb. 30c, 3 lbs. 75c. By express, 10 lbs. or more, at 10c per pound.



MAMMOTH RUSSIAN SUNFLOWER.

TREE AND HEDGE SEEDS.

As tree seedlings make but small growth the first season, it is best to plant in rows or beds, and transplant to permanent places at one or two years old. It is well to protect the first winter with straw or hay. Postage prepaid at prices named.

ASH, American White.—1/4 lb. 15c, lb. 50c.

BOX ELDER.—1/4 lb. 15c, lb. 50c.

CATALPA Speciosa, or Hardy Catalpa.—Oz. 10c, 1/4 lb. 30c, lb. \$1.00.

LOCUST, Honey.—Used largely for hedges. 1/4 lb. 20c, lb. 50c.

LOCUST, Black.—1/4 lb. 20c, lb. 50c.

MAPLE, Soft.—Seed ready June 1st, and should be planted within two or three weeks. 1/4 lb. 20c, lb. 50c, bu. \$2.50.

MULBERRY, Russian.—Its rapid growth, beautiful form and foliage, and more than all, the excellence of its timber and fruit, make it a valuable tree for the northwest. Pkt. 10c, oz. 20c, 1/4 lb. 65c, lb. \$2.00.

OSAGE ORANGE.—Makes a handsome and durable hedge. Lb. 50c, 3 lbs. \$1.25, peck \$1.75, bu. \$6.00.

TREE OF HEAVEN.—Introduced from Japan. Of rapid growth and tropical appearance. Hardy. Oz. 10c, 1/4 lb. 30c, lb. 75c.

SUGAR CANE.

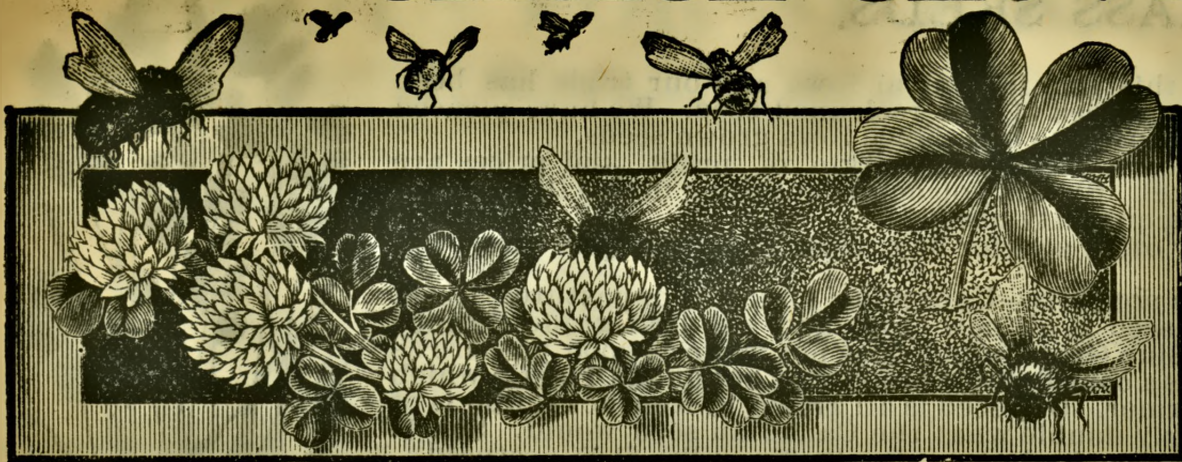
AMBER.—This popular variety has very nearly taken the place of all other sorts. It is the earliest and makes the finest quality of amber syrup, and also makes good sugar; succeeds well both north and south. Lb. 25c, 3 lbs. 65c, 10 lbs. or more, by express or freight, 5c per lb; 100 lbs. \$3.00. Lower grade of seed for sowing broadcast, \$2.00 per 100 lbs.

IOWA HYBRID CANE.—This is the result of a cross between the Amber and the Hondulas, which ripens about ten days later than Amber, but can be made up while greener, which recompenses for the lateness. It is of very strong robust growth, two or three feet taller than Amber, with larger stalk, richer of saccharine matter, and will make from one-fourth to one-third more sorghum to the acre. Syrup can usually be extracted the first or second week in September. All should try it. Lb. 35c, 3 lbs. \$1.00, 10 lbs. or more, by express, at 15c per lb.



IOWA HYBRID CANE.

CHOICE CLOVER SEEDS.



PRICES—On Clover and Grass Seeds are changing almost daily, so that we are unable to quote prices in any quantity which will be invariable. Don't fail to write for prices before buying. Our stock is unequaled and prices low. During the season we issue a price list of Clover and Grass Seeds at least once a week. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent, on day order is received. On the five pound price the purchaser pays the freight charges.

NOTE.—There is such a vast difference in the legal weight of Clover and Grass Seeds to the bushel, in the various States, that the American Seed Trade Association have decided to hereafter sell them all by the 100 pounds instead of by the bushel.

MEDIUM RED, or June.—This is the common Red Clover, used more largely than any other for hay and pasture. Sow 15 lbs. per acre. Per lb. 25c, 3 lbs. 65c, postpaid; 5 lbs. or more, 15c per pound.

MAMMOTH RED, or Sapling.—Desirable for hog pasture and to plow under as a fertilizer. Too large for hay, unless on very poor soil. Sow 15 lbs. per acre. Per lb. 25c, 3 lbs. 65c, postpaid; 5 lbs. or more, 15c per pound.

ALSIKE, or Swedish.—Unexcelled for hay, and a wonderful cropper. All farmers in the Central States who have tried this, unite in pronouncing it the best of all Clover for hay. It is perennial and very hardy. Very valuable both for pasturage and soiling; very productive, sweet and fragrant. The flowers are a distinct light pink, and much liked by bees. Will produce a good crop on low wet land. Much of the seed sold is badly mixed with the common white clover, and is not worth one-half as much as the good seed. Sow 7 lbs. per acre. Per lb. 35c, 3 lbs. \$1.00, postpaid; 5 lbs. or more, 25c per pound.

ASK FOR SPECIAL PRICES BY THE 100 LBS.



CRIMSON CLOVER.

COLLECTION OF CLOVERS.

One ounce each of the above seven kinds of Clover for 35c, postpaid. One pound each of the seven kinds, by express, \$1.25.

For several years we have made this a specialty, and we now have our electric machinery for cleaning so perfected that we claim that our grades average better than those of any other market, and believe they cannot fail to please the most particular. Other seed dealers who happened to be in our warehouse when we were cleaning Clover have often remarked that the seed looked so extra nice they should not reclean it. These same lots of seed we were cleaning out 5 to 10 lbs. to the 100 lbs. of weed seed, sand and shrunken clover seed. This makes quite a difference in real value, and our seed is really worth \$1.00 to \$2.00 per 100 pounds more than that obtained from most dealers.

Prof. Stewart, of the Iowa Agricultural College, made a test of Clover Seed from various parts of the country, and if the farmers could see the full reports of same they would use greater care in buying in the future. Some samples tested 35 per cent of impurities; thus the purchaser would get less than two-thirds of the seed paid for. The impurities were of the worst kind, consisting of Rib Grass or Lance Leaved Plantain, Crab Grass, Rag Weed, Tumble Weed, Heart's Ease, Dock, Pig Weed, Wild Morning Glory, Smart Weed, Bind Weed, and many others. It don't pay to use such seed.

HONEY OR SWEET CLOVER.—Very much liked by the bees, and a small patch of it would be nice in any yard or garden on account of its delightful fragrance. Per pkt. 10c, lb. 50c, postpaid; 5 lbs. or more, 35c per pound.

WHITE DUTCH.—While not a heavy producer, is valuable in permanent pastures. In connection with Blue Grass it affords the most nutritious food for sheep and cattle. Also most excellent for lawns, making a close, compact growth. Sow 6 lbs. per acre. Per lb. 45c, 3 lbs. \$1.20, postpaid; 5 lbs. or more, by express, 30c per pound.



ALSIKE CLOVER.

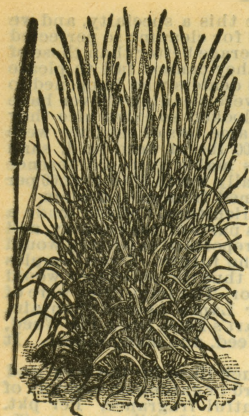
ALFALFA, or Lucerne.—Very popular in many portions of the country, and it is especially of value in all parts of the West, Northwest and South. Under proper management it will yield at least twelve tons to the acre. All classes of stock are exceedingly fond of it. Horses will do more work and keep in finer condition than on almost any other food. It makes the largest quantity of the richest milk and butter. The roots are so long and grow so deep frost cannot heave or throw them out in winter. One sowing will stand for 10 years, and instead of impoverishing the soil, enriches it. As a fertilizing and land-enriching crop it has no equal. Grows on the thinnest sandy soil and thrives in the greatest drought. The best method is to sow broadcast, about 15 or 20 pounds to the acre. Per lb. 30c, 3 lbs. 75c, postpaid; 5 lbs. or more, 20c per lb.

CRIMSON CLOVER—Also called Scarlet or Italian.—This is an annual variety in common use in Italy and the south of France for feeding green. The yield in fodder is immense, and after cutting it at once commences growing again, and continues until severe cold freezing weather. In warm climates four or five cuttings are made during the season. It grows about one foot high, roots nearly black; leaves long; blossoms long, pointed, and of a very deep red or carmine color. Makes good hay. Sow in April or May, 10 to 15 lbs of seed per acre. It may be sown in the corn at the time of last cultivation in July. Where the weather is not too severe, it will live and continue to grow all winter, furnishing winter pasture or a crop of hay before corn-planting time in the spring. It can then be turned under, and will add greatly to the fertility of the soil. Thus a hay crop and a corn crop may be grown on the same ground in one year, and still the soil will be improved. It may be sown every year in corn, wheat, oats or potatoes, and two crops obtained. The only objection to it is that sometimes it winter-kills in this latitude. Be sure to try it this year. Price per lb. 30c, 3 lbs. 75c, postpaid. Five pounds or more by express, 20 cents per pound.



ALFALFA CLOVER.

GRASS SEEDS.



TIMOTHY.

SWEET VERNAL—A very fragrant grass, used for lawns. Per lb. 75c., 3 lbs. \$2.00, postpaid.
CENTRAL PARK LAWN GRASS SEED—Nothing adds more to the attractiveness of a rural home than a well kept, close, velvety lawn. The first requisite is good seed, and for this purpose we can confidently recommend our Central Park Lawn Grass Seed. This is the very best quality of a mixture of the finest varieties of natural grasses, embracing such as are of neat growth, hardy, and best adapted to produce a permanent and fine turf. Never sow oats or other grain with grass seed. The quantity of seed required per acre is about 40 to 50 pounds, or

one pound will sow a space about 25 feet square. This is much cheaper and makes a better lawn than sodding. Prices per lb. 35c., or 2 lbs. for 60c., postpaid. By express or freight, 10 lbs. \$1.90, 25 lbs. \$4.50, 100 lbs. \$15.00.

EVERGREEN LAWN GRASS SEED—A cheaper mixture than the above, but still very desirable for lawns and parks. Per lb. 25c., postpaid. By express or freight, 10 lbs. \$1.60, 25 lbs. \$3.50, 100 lbs. \$11.50.

LAWN FERTILIZER—A plant food which will force a luxuriant growth. Price, 10 lbs. 75c., 25 lbs. \$1.50, 100 lbs. \$4.25, by freight or express.

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 cleaned seed. We have pleased thousands of others and can please you with our choice Iowa grown seeds.

PRICES—Grass seeds are sold on a very close margin of profit and prices are constantly changing with the market. Should you desire anything in this line be sure to write us for *special prices*, naming quantity needed.

TIMOTHY—More used than any other sort for hay. Sow 11 pounds per acre. Per lb. 25c., 3 lbs. 60c., postpaid.

KENTUCKY BLUE GRASS—(*Poa pratensis*)—Unexcelled for lawns or pastures. Seed scarce, owing to short crop. Our seed is all new crop, and the best grade "Fancy Cleaned." Beware of the Canada Blue Grass, which does not make as good pasture as the Kentucky, and the seed contains a considerable proportion of Canada Thistle, which would be a great damage to any farmer. Our seed is all grown in Kentucky, and is of the highest grade, but costs us nearly double what the Canadian seed would. Sow 14 lbs. per acre for pasture, and 40 to 50 lbs. for lawns. Per lb. 35c., 3 lbs. \$1.00, postpaid.

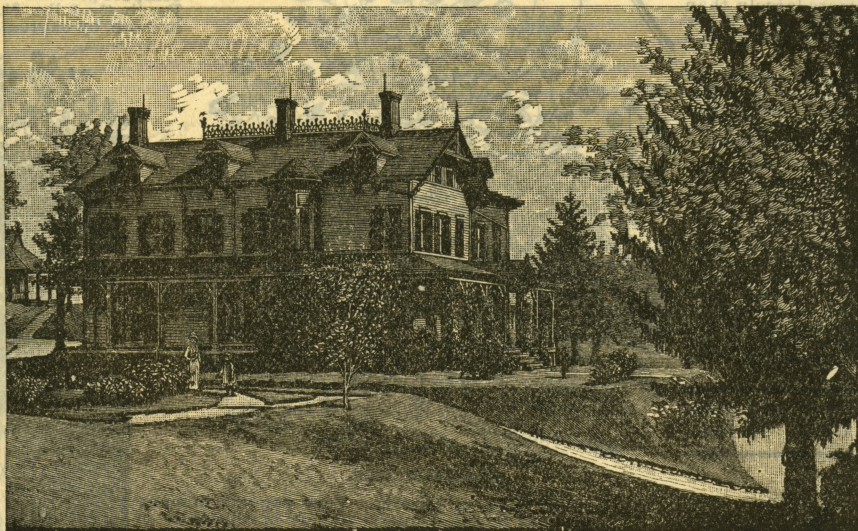
RED TOP—For wet ground. Sow 14 lbs. per acre. Per pound 25c., 3 lbs. 60c., postpaid.

FANCY CLEANED RED TOP—Per lb. 35c., 3 lbs. \$1.00, postpaid.
ORCHARD GRASS—Is one of the most valuable of all pasture grasses, coming earlier in spring and remaining later in autumn than any other. It grows about 2½ feet high, producing an immense quantity of leaves and foliage. It stands a severe drouth. Sow 14 lbs. per acre. Per lb. 35c., 3 lbs. \$1.00, postpaid.

MEADOW FESCUE or English Blue Grass—Per lb. 40c., 3 lbs. \$1.00, postpaid.

PERENNIAL RYE GRASS—Per lb. 40c., 3 lbs. \$1.00, postpaid.

CRESTED DOGSTAIL—For lawns. Per lb. 60c., postpaid.



ORCHARD GRASS.

IF YOU WANT

A LARGE LOT

OF

CLOVER

OR

GRASS SEED

SEND FOR

SAMPLES

AND PRICES.

GOLDEN WONDER MILLET.

Millet is always a profitable crop, and in very wet seasons many farmers are compelled to sow it on their corn ground, and the result has been so highly satisfactory that we predict a greatly increased demand this year. This grand new variety is a great improvement on the German, and has given universal satisfaction wherever tried. Has yielded as high as ten tons to the acre of excellent fodder, about as easily cured as clover hay. Heads average 10 to 15 inches long, and containing sometimes as high as 18,000 seeds each, thus making it a profitable crop even for seed only. The stalk is full of broad leaves, resembling those of corn. Under equal circumstances it will yield twice as much fodder and three times as much seed as other sorts. Matures in the far north, where corn will

not ripen. Its vigorous growth will smother the weeds out and leave the land clear. Sow 25 pounds to the acre if for seed, or 50 pounds if for hay. Per lb. 25c., 3 lbs. 60c., postpaid. Write for prices on large amounts.

GERMAN MILLET—Much better than common and yields much more. Sow 50 pounds to the acre. Write for prices.

COMMON MILLET—Sow 50 pounds to the acre. Write for prices.

HUNGARIAN—Preferred by some to millet. Sow 50 pounds to the acre. Write for prices.

NEW MANITOBA MILLET—This millet comes from Manitoba in British America, hence the name. It has been thoroughly tested, and has proved to be the best millet for withstanding drouth, maturing a good crop when planted by the side of other varieties that were not worth cutting. The seed is about double the size of common or German millet and is of a very oily nature, and a bushel of it is conceded to be superior to a bushel of shelled corn for fattening stock. Unlike any other variety of millet, it has a branching head, similar to the old fashioned cane head. It ripens about two weeks ahead of the German millet, therefore is much more sure of a crop. Grows from 3 to 4 feet high, has an abundant growth of fodder on the stalks, and bears a heavy crop of plump seed. Per lb. 25c., 3 lbs. 60c., postpaid.

Write for low prices by the 100 pounds.



ROOTS FOR STOCK.

These make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. They are all easily grown and they help to keep the stock in good condition and free from disease. When requested to do so we will send free to the purchaser directions for growing, keeping and feeding. We would advise friends who are not accustomed to growing root crops to try a small field of each, and assure them they will be pleased with results.

MANGEL BEETS.

The best paying crop on any stock farm for feeding all kinds of live stock. Some of the best dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn; and a careful analysis has demonstrated the fact that 400 pounds of mangels are equal to 100 pounds of the best hay. To one who has not grown them the immense yield seems incredible: 1,000 bushels to the acre is an ordinary yield, while with good culture 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of *only five cents per bushel*. Try five pounds of our select Mammoth Long Red or some of our other varieties and we are sure you will be pleased. This will be sufficient for one acre. Mangel seed is scarce this year, owing to short crop.

MAMMOTH LONG RED—Very popular sort. Grows to an immense size and has produced sixty-five tons to the acre. Shape is well shown by our illustration. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lbs. or more by express not prepaid at 30c. per lb.

DIGNITY.—An improvement on the above made by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; unequaled for yielding and feeding qualities. Grows to a very large size, weighing from thirty to fifty pounds, and will yield forty-five tons per acre with 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. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.; by express—5 lbs. \$1.50, 10 lbs. \$2.75.

GOLDEN TANKARD MANGEL.—Contains less water and more sugar than any other mangel. A special feature is the rich, deep yellow color of the flesh, nutritious and milk-producing qualities. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.; by express—5 lbs. \$1.50, 10 lbs. \$2.75.

MAMMOTH LONG YELLOW MANGEL.—Similar to Mammoth Long Red, except color. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c., 5 lbs. or more by express at 35c. per lb.

COLLECTION.—One pound each of the above four varieties by express for \$1.10.

FIELD CARROT.

Saved from carefully selected stocks. This is an indispensable root for the farm and is deserving of more general cultivation. They succeed best on sandy soil; will also do well on strong clay loams, when perfectly

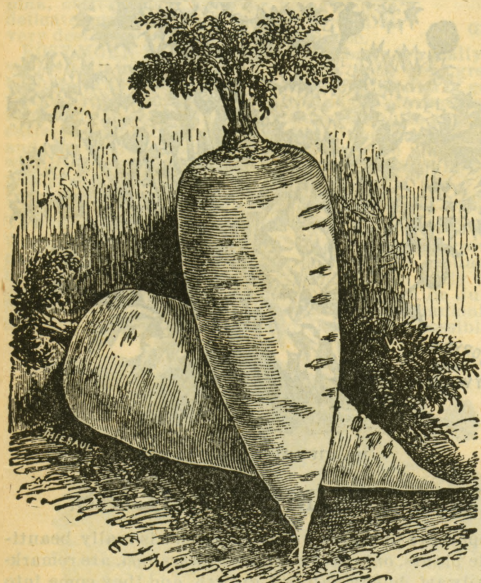
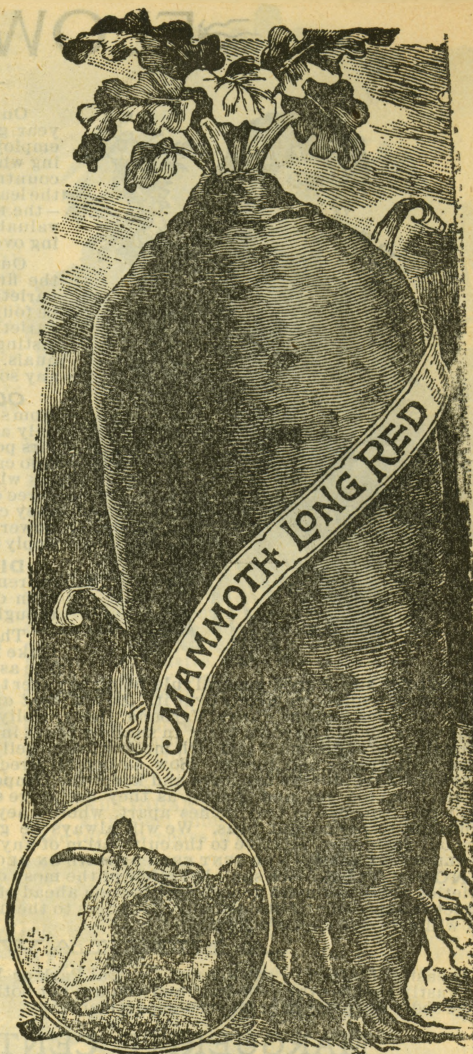
pulverized, well drained and free from weeds. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. For horses there is no better alternative, and as a diuretic they are ever worth attention. Sow from the middle of April to the first of June, in drills eighteen or twenty inches apart, and when about three inches high, thin to four inches between each plant. Sow three pounds of seed to the acre. A fair average yield is from 800 to 1,000 bushels.

LARGE WHITE VOSGES.—This new and distinct variety is, we think, destined to take first rank as a field carrot, owing to its enormous productiveness and its growing well out of the ground, making it comparatively easy to harvest. Roots one-half long, smooth, very heavy at the shoulder, but taper regularly to the point, as shown in our illustration; color light green above ground, white below; flesh rich, white, solid and crisp, and of an excellent flavor. This variety is a real acquisition as a heavy yielding, easily harvested, white carrot and is the best of this class. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

IMPROVED LONG ORANGE.—A standard sort for field culture, and also desirable for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 70c.

DWARF ESSEX RAPE.—This has great merit and should be grown far more than at present for stock feed. There has been much seed of the annual varieties sold for sowing for stock feed, though they are utterly worthless for this purpose. The Dwarf Essex is without doubt the best fall variety for feeding sheep, and is sure to give entire satisfaction. Per lb. 50c., 3 lbs. for \$1.20, postpaid. Write for prices in quantity.

IMPROVED AMERICAN RUTA BAGA.—The best variety grown, either for feeding stock or for table use. It is of large size, smooth, very solid, fine quality, hardy and productive. Flesh yellow; keeps well. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

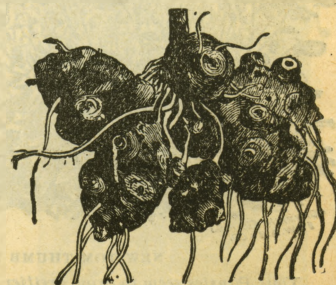


LARGE WHITE VOSGES.

JERUSALEM ARTICHOKE ROOTS.

THE GREATEST HOG FOOD KNOWN.

This variety is not produced from seed. They are sometimes used as a table vegetable when picked, but their greatest value is for feeding stock. They are the best hog food known and are attracting much attention on account of their great fattening properties, great productiveness (over one thousand bushels having been grown on one acre) and ease with which they can be grown. They need not be dug in the fall; the hogs should be turned in on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October until April, except when the ground is frozen too hard for them to root. They are also said to be a preventative of cholera and other hog diseases; and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. They are well adapted to any soil where corn or potatoes can be grown. Three bushels will seed an acre, and they should be cut the same as potatoes, one eye to a cut being sufficient, planted in April or May, in rows three feet apart and two feet in the rows, and covered about two inches deep. To destroy them, they should be ploughed under when the plant is about a foot high, at which time the old tuber has decayed and new ones are not yet formed. Per lb. 35c., 3 lbs. \$1.00 postpaid; by freight or express—peck 65c., bush. \$2.00, bbl. of 3 bush. (enough for one acre) \$5.50.



JERUSALEM ARTICHOKE ROOTS.

FLOWER SEEDS.



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

Our Flower Seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will be found to yield a better variety than is commonly found. This year we list all the varieties alphabetically together. Annuals, Biennials, Perennials, Climbers and Everlastings, but mention in the description what class they belong to if they are not Annuals. The ornamental grasses are listed separately. This will make it easier to find any sort named.

OUR PRICES.—The cost of raising the various sorts of flower seeds varies greatly from such as Mignonette, which we can grow a hundred pounds of at but comparatively only a few dollars expense, up to Double Petunia, which costs us over one hundred dollars per ounce, and some other kinds which are still more expensive. There are but few who care for more than one good-sized bed of any sort, therefore we have filled our packets with a sufficient amount and made prices as low as possible, some being only two or three cents each, and we are certain customers will be well pleased with the quantity they contain. **Discounts.**—In spite of our very low prices by the packet we still offer flower seeds in packets only to the amount of \$1.25 for only \$1.00. This discount does not apply to collections of seeds nor to seeds by weight or measure.

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

The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seed in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet.

Many varieties, such as Pansy, Verbena, Daisy, Hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich mellow loam, well mixed together and sifted, to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant into boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. We will always be glad to answer any questions from our customers, relative to the cultivation of any kind of plants.

ALL FLOWER SEEDS ARE SENT FREE BY MAIL ON RECEIPT OF PRICE.

NOVELTIES.—We shall list a few of the most desirable floral novelties and varieties worthy of more general cultivation ahead of our general list in order to attract the special attention of our customers to them. They are all most excellent and will give entire satisfaction.

A NICE LAWN.

Is easily obtained by sowing our Central Park or Evergreen Lawn Grass Seed. It is vastly cheaper than sodding, and you are not bothered with weeds, which are in the sod. See price in grass seed department.

MARGUERITE CENTAUREA.

This is a most charming floral novelty. All who saw this grand new variety growing on our trial grounds the past season united in pronouncing it one of the handsomest novelties ever brought out. Entirely distinct from all other sorts, and the most beautiful of all. Named after the lovely Queen Marguerite of Italy. The plants grow about eighteen inches high and are of the easiest culture. The large flowers are of the purest white, deliciously scented, exquisitely lacinated, and freely produced on long stems which renders them valuable for cutting. The illustration does not do the flower justice, and gives but a faint idea of its exquisite unique beauty. It is entirely different from all other flowering plants, and sure to attract attention. Per pkt. 10c.



MARGUERITE CENTAUREA.

NEW TOM THUMB DAHLIAS.

This is a radical departure in the way of Dahlias and is really beautiful. The perfect little plants, only twelve to fifteen inches high, are remarkably regular in their dwarf, bushy habit of growth, and they come into flower very early. Scarcely three months after sowing the seed the plants will be fully developed and covered with showy, pretty flowers, which are produced in constant profusion and great variety the whole summer through. The range of color is something unusual; in many of the flowers the ground is white, with regular zones of magenta, crimson, purple, etc., while in others the ground is yellow or light rose, with charming contrasting variegations. The effect is vivid and striking, yet the blooms may be classed as most refined in their effects. Per pkt. 15c., 2 pkts. for 25c.

The Hibiscus that I got of you had the loveliest blooms on it I ever saw.

MARY R. TEETUS, Brazil, Ind.

All the seeds bought of you last year were very satisfactory, Sweet Peas and Nasturtiums especially so.

H. ROY MOSNAT, Belle Plaine, Ia.

MRS. E. C. POPPLETON, Birmingham, Mich.



NEW TOM THUMB DAHLIAS.

Your Pansies seem to grow prettier every year. I am delighted with the quality of your seeds.

NEW DOUBLE ANNUAL CHRYSANTHEMUM—This valuable and most unique novelty has resulted from carefully hybridizing and selecting for several years the semi-double varieties of this useful annual already existing, until a high degree of doubleness has been attained. They are extremely variable and it is impossible to describe the beautiful forms which have been produced, as conveyed by our engraving. Some are pure white, yellow, or crimson, but the prevailing types are bronzy yellow, the florets tinged with red or lilac rose, the imbricated ray florets beautifully penciled, others have rich crimson centers with clear yellow guard petals. Although mostly very double, there will be an occasional semi-double or even single, but these are almost equally charming. Per pkt. 10c.

GIANT EMPRESS COCKSCOMB—Very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more



NEW DOUBLE ANNUAL CHRYSANTHEMUM. than almost any plant that can be grown. The Empress which we illustrate is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over twelve inches in breadth; very bright purple combs and dark bronze foliage. Per pkt. 10c.

OLD FASHIONED GRASS PINKS—The hardy and pretty clove scented flowers which our grandmothers loved. Their fragrance is quickly noticed by any one passing by the yard where they are grown, before seeing the flowers. There has been quite a call for these among our customers and for several years we have tried to obtain seed of this old garden favorite and have at last succeeded in obtaining a fine crop of seed. The flowers range from pure white to a dark pink, most of them, however, being a clear, delicate pink color. A hardy perennial, very desirable for borders. Per pkt. 5c.

ROSY MORN POPPIES—This new Poppy is a really superb novelty. All who tried it last season for the first time were greatly struck with its beauty. The flowers are extremely double and of good size, forming perfect balls of a unique and beautiful shade of rose—an entirely new and distinct color in Poppies. We consider this quite an acquisition. It is of the easiest possible culture, belonging to the annual peony-flowered section and merely requires to be sown where the plants are to flower. Those who have not already tried this novelty should not fail to do so. Per pkt. 10c.

LARGE FLOWERING PERPETUAL WHITE STOCKS—This fine variety is one of the most valuable kind of Ten Weeks' Stock ever introduced. It is of strong growth and fine branching habit. It grows in the open ground, to the height of one and one-half feet, and if sown early will produce a great abundance of bloom from May or June until November. The individual flowers are uncommonly large, of a fine rosette-like shape and the purest possible white.



GIANT EMPRESS COCKSCOMB.



RICINUS CAMBOGIENSIS.

RICINUS CAMBOGIENSIS.—This most beautiful plant is well shown by our illustration. It grows to a height of eight feet, and is of a most stately, majestic, tropical appearance. Its large, palm-like leaves are of the darkest reddish maroon, covered with a bright bronzy lustre, while the main stalk and leaf stems are ebony black. The leaves have large red veins which add to the beauty. The fruit is a fiery red. It is unexcelled as a decorative plant for lawn or garden. More ornamental than many plants which would cost several dollars each at the greenhouse. Seed will always be scarce and high. The seeds are large and will each produce a strong plant. Per pkt. of six seeds, 10 cts.

RICINUS GIGANTEUS—The largest of all, 12 feet high, with steel blue stalk and large green leaves often fully 30 inches in diameter. Per pkt. 10c.

CURLED AND CRESTED ZINNIAS—A most unique and charming new variety with petals oddly curled, and crested in fantastic contortions and graceful forms. Flowers are of perfect form, large, round, full and double, and the peculiar shape of petal relieves the flower from stiffness which has heretofore characterized this family of flowers. Plants are of perfect form. Per pkt. 15c.



GRASS PINK.



The flowers appear on each little shoot, and the oftener they are cut the better they seem to like it. Indeed it is a veritable "Cut and Come Again." It also succeeds splendidly as a pot plant, and the flowers are delicately fragrant. Per pkt. 10c.

BEGONIA VERNON—This new Begonia is one of the most remarkable Floral Novelties. It comes absolutely true from seed. The plants grow rapidly and thrive amazingly under our hot summer sun. It seems that the hotter and brighter the sun the richer are the flowers and foliage—this character makes it of the greatest value for bedding and general culture in the open ground. The flowers are borne in constant profusion and with striking effect, from early summer until late autumn. The color is intensely deep red, magnificently set off by the abundant and vigorous foliage, which is waxy and glossy, stained, spotted, and margined bronze purple. Per pkt. 15cts.



ROSY MORN

POPPIES



PERPETUAL WHITE STOCK.

CRIMSON EYE HIBISCUS

This elegant strain of Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring TWENTY INCHES IN CIRCUMFERENCE. The color is of the purest white, with a large spot of deep velvety crimson in the center of each flower. It is a striking combination of color and one that must be seen to be fully appreciated. A well developed plant will produce several hundred of these flowers in a season. It will succeed anywhere and is perfectly hardy, blooming the first year from seed sown in the open ground. Per pkt. 15 cts.

Centrosema Grandiflora.

“LOOK AT ME.”

Absolutely new to cultivation and at the same time one of the very best in actual merit. It is a hardy, perennial vine of rare and exquisite beauty, which blooms early in June from seed sown in April, and bears in the greatest profusion inverted pea-shaped flowers from 1½ to 2½ inches in diameter, and ranging in color from a rosy violet to a reddish purple, with a broad feathered white marking through the center, while the large buds and back of the flowers are pure white. The flowers are produced in the greatest abundance, sometimes six to eight in a cluster, and remain fresh several days after picking.

The stem and foliage are very graceful, and of a delightful odor. It is well adapted for every garden purpose, and especially as a climber, running six to eight feet in a season. It will bloom until frost, and if potted will flower freely in the house. One of the most attractive features is the way in which the flowers look up at you in the face. Every imaginative person sees faces in the Pansy, and this is even more suggestive in Centrosema. Therefore, “Look at Me” is not a bad name for it. Per pkt. 15 cts.



CRIMSON EYE HIBISCUS.

Mammoth Passion Flower. This is one of the most desirable of all climbing plants. Sure to be popular with all lovers of beautiful flowers and lovely climbing plants. Seed can be sown in winter in a hot-bed or a box in the house for early spring planting, and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first season, three or four inches in diameter. Its color is odd, comprising a combination of blue, pink and white, which is beautiful, very large and showy, of a feathery and velvet-like appearance, very rich and attractive; foliage is a dark green, with handsome leaves: vines begin to throw out blossoms when only one or two feet high, followed in the fall by a beautiful golden fruit about the size of a hen's egg. If left in the open ground in winter must have some protection. Per pkt. 10 cts.

Cosmos. A magnificent race of plants growing about four feet in height, and in the fall and better for cutting. They are about two inches in diameter; rose, purple, flesh color and pure white. As a cut flower for vases or personal wear their grace and beauty are unequalled. They commence to bloom in September and continue through October, the flowers bearing a slight frost remarkably. Easily raised from seed, and if sown early bloom the first season. All colors mixed. Per pkt. 10 cts.



New Sweet Peas.

SPLENDOR.—Flowers large and of fine form. Color rich bright pinkish rose, shaded to crimson. Per pkt. 10 cts., oz. 35 cts.

DUCHESS OF EDINBURGH.—Very beautiful; standard light scarlet, slashed with crimson, slightly margined at the edge with cream-white; wings tipped with rose. Per pkt. 5 cts., oz., 20 cts.

QUEEN OF ENGLAND.—A grand new variety with pure white flowers, only surpassed by Emily Henderson. Per pkt. 5 cts., oz., 25 cts.

IMPERIAL BLUE.—One of Eckford's new large flowering varieties of finest form; color ultramarine blue, claret and purple. One of the most effective and handsome sorts. Per pkt. 5 cts., oz. 25 cts.

BOREATON.—A very fine dark variety with immense, bold, attractive flowers, borne in great profusion. Color, red mahogany and maroon, beautiful. Per pkt. 10 cts., oz. 30 cts.

PURPLE PRINCE.—Maroon standards, shaded with bronze, and purple-blue wings; very fine and superb. Per pkt. 5 cts., oz., 25 cts.

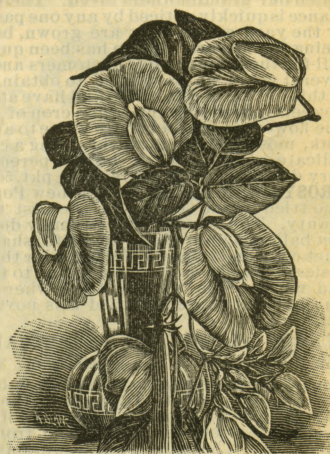
COLLECTION.—One packet each of the seventeen varieties of Sweet peas which we list for 75 cts.

Phlox Drummondii Grandiflora.

(Iowa Seed Company's Strain.)

For many years the Phlox has been a special favorite with us and we consider it one of the most satisfactory flowers in the whole list for general culture. This special strain of Grandiflora Mixed has been selected with great care for many years until we now have an ideal flower, of immense size and for beauty of colors they are unsurpassed, if equaled, by any other strain in existence. They grow to a height of 15 to 18 inches and produce a great profusion of large trusses of flowers, and if the flowers are cut freely they will continue a mass of bloom until severe freezing weather. The colors range from the purest white to nearly black, including all shades of pink, red, violet, crimson, purple, yellow, blue, scarlet and brown, striped and blended in an indescribable manner. Some of the flowers are very nearly as large as a silver half dollar. Don't fail to try them this year. Per pkt. 10 cts.

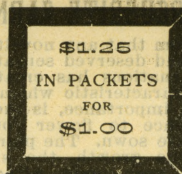
Your Pansy and Pink Seeds proved to be excellent for me.—MRS. SAMUEL KUHN, Hoisington, Kansas.



CENTROSEMA GRANDIFLORA.



WILD CUCUMBER.

**WILD CUCUMBER.**

A well-known vine common in many sections, and the quickest climber known for covering verandas, old trees and houses, trellises, etc.; never suffering from the heat, but retaining its fresh and lively green color; never infested with insects, and very profuse in bloom. It will sow itself and come up every year in the same place. Pkt. 10c.

CENTAUREA CYANUS fl.pl.**New Double Flowered Ragged Sailor, Corn Flower or Blue Bottle.**

Who does not know and love the old-fashioned Ragged Sailor or Bluets, cherished in our gardens, and its praises sung by poets? It retained its primitiveness for years, but at last has sported, and produced what may be justly called double flowers of unusually large size and filled up to the center with florets, forming handsome globular heads. We offer the seed in mixed colors, which contain, in addition to the usual colors of light and dark blue, white, pink, and red, several striking new shades, such as dark red with light blue edges, white striped with red and blue, etc. A continuous bloomer of great value as a cut flower, destined to popularity and highly recommended. Per pkt. 10c.



DOUBLE CENTAUREA.

EUPHORBIA HETEROPHYLLA.

(The Gorgeous Annual Poinsetta.)

"Mexican Fire Plant," or "Fire on the Mountain."—This novelty is an annual of the easiest culture, forming bushy plants three to four feet high, with glossy green fiddle-shaped leaves, which form at the ends of the branches into large whorls or bracts, among which small green flowers appear in summer, and immediately after the leaves commence to color up. The smaller bracts among the flowers are of a brilliant orange scarlet, and the large surrounding leaves soon become blazed with a darker, fiery scarlet, so that only a tip of green is left. As these colored bracts almost cover the plant, the effect is indescribably grand. Retain their superb beauty from May until December. Pkt. 10c.

**Princess or SNOWBALL ASTER.**

A beautiful and distinct variety, the first of a new race, originating from the "Mignon." Introduced some years ago. The flowers are semi-spherical, as shown in our engraving; of refined and faultless form; pure white; beautifully imbricated and very freely produced, as many as 30 flowers being frequently borne on a single plant. The cut blooms will remain longer in good condition than most other varieties; and this sort has the additional advantage of being well adapted for pot culture. This will undoubtedly prove a valuable acquisition to the Aster family being a novelty of decided merit and the forerunner of a distinct new class. Per pkt. 15c.

HARLEQUIN ASTER.

A new dwarf pyramidal strain of great beauty, with oddly spotted and striped very double flowers of red and blue, the same plant often having a great variety of flowers on it. Every one will be pleased with it, and it will always attract great attention. Per pkt. 10c.

GOLDEN ROD.

Although considered an objectionable weed on our western prairies, there is no denying the beauty of this flower and it has been adopted by New York State as the State flower. It is greatly admired everywhere, and as it is easily grown from seed there is sure to be a demand for it from flower lovers. Per pkt. 5c.



HARLEQUIN ASTER.



SNOWBALL ASTER.

I never had such pretty asters as I did from seeds bought of you last spring. I was pleased with all the flower seeds.

My plants have done so well which I bought of you. I had some of the prettiest asters I ever saw. Your pansy seeds are splendid. I had the finest bed of pansies I ever saw.

MRS. W. C. MUSSER, Tracy, Minnesota.

ALMIRA PRINDLE, Stepney Depot, Conn.

MRS. A. E. KNOX, Stuart, Iowa.



GOLDEN WAVE CALLIOPSIS.

DOUBLE PEARL PHLOX DRUMMONDI.

A grand novelty introduced by us in 1888. Several years ago we procured from a German grower seed of what purported to be Double White Phlox, but only about one-half came double from the seed. By constant selection each year we have improved it, so that it comes true to name. It is very pretty, and will prove a splendid acquisition for bouquet work and suitable for button-hole bouquets, etc. Very pretty for borders and bedding. Per pkt. 10c.

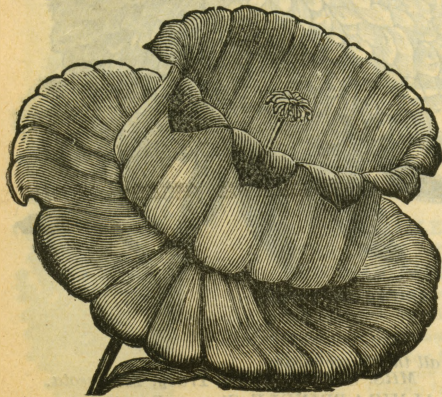
IPOMEA—Heavenly Blue.

This beautiful Ipomea originated in California, and is a cross between Ipomea Leali and Mina Lobata. The foliage is very large, heart-shaped, thick and light green; flowers four and a half to five inches across, in large, airy clusters, and of that indescribable heavenly blue so rarely seen in flowers. The throat is yellow inside, spreading softly into the blue. Per pkt. 20c.



SNOW QUEEN CANDYTUFT.

CUSPIDATA OR STAR--Phlox Drummondii. Is of such extraordinary form and beauty that every lover of the beautiful "must have it." The growth is generally four inches dwarfer and the habit slightly more compact than the common. The pointed center teeth of the petals (five in number) are four or five times as long as the lateral ones, and project beyond them like little spines, one-quarter to one-third inch long. Thus the flowers appear to have a splendid, regular star-like form whose beauty is improved by the broad, white margins, which border edges of the petals. Per pkt. 15c.



CAMPANULA—CUP AND SAUCER.

MARGUERITE CARNATIONS.

It is seldom that any novelty produces such a general and deserved sensation as this new race of carnations has created. The distinguishing characteristic which makes this race of supreme importance, is the fact that they will commence to flower four months after the seeds are sown. The plants are of healthy and vigorous growth, the stems are strong enough to keep erect without support, and the flowers are produced in the greatest profusion. They run through quite a variety of colors, white, scarlet, carmine, rose, striped, purple, violet, salmon, etc. Seed sown under glass in March and transplanted to the open ground in May, will commence flowering in August, and will give an endless supply of their beautiful blossoms for a long time. The flowers are exceedingly brilliant in color and the calyx does not burst. About 80 per cent of the plants will come full double. Per. pkt. 10c.

GOLDEN WAVE CALLIOPSIS.

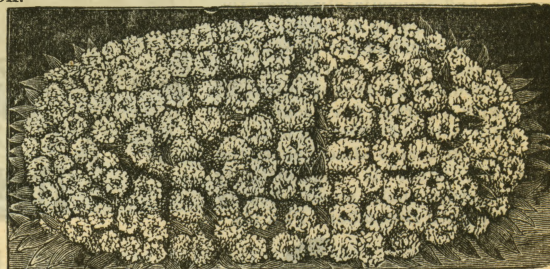
For a mass of bright colors, this is probably the most effective of all annuals. Plant very bushy and compact, reaching two feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches in diameter, with small dark centers. It is indeed a wave of gold. Per pkt. 8c.



DOUBLE PEARL PHLOX.

Snow Queen Candytuft.

A new annual variety from southern Europe, grows rapidly; blooms early and remaining in full flower for about three months. The Snow Queen grows very regularly—each plant being almost an exact counterpart of every other—and shows no variation whatever, as it has never been hybridized. It is invaluable for ribbon beds or borders. Per pkt. 8c.



LITTLE GEM SWEET ALYSSUM.



MARGUERITE CARNATIONS.

LITTLE GEM SWEET ALYSSUM.

The plants are very dwarf and remarkably uniform in growth; they only grow three or four inches high, and each plant spreads so as to completely cover a circular space twelve to twenty inches in diameter. The plants begin to flower while quite young, and soon become one mass of white, remaining in full bloom from spring to fall—each plant being densely studded with the beautiful miniature spikes of delicious fragrant flowers. More than four hundred clusters of flowers in full bloom have been counted on a single plant. The Little Gem is entirely distinct and very much more beautiful than the popular old Sweet Alyssum. Per pkt. 5c.

NEW GIANT SNOWBALL DAISY.

A most charming variety of this handsome, little flower. It has unusually large, double flowers on very long stems, making it very valuable for cutting. Color, a pure snow white. Don't fail to give this little beauty a trial, and it will be sure to please you. Per pkt. 15c.

CAMPANULA—Cup and Saucer.

A beautiful variety and most desirable and attractive addition to this class of old garden favorites. The bell or trumpet is nearly four inches in diameter, presenting the form of a saucer, hence its name. The plant is of strong growth, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome when in flower, the blossoms literally hiding the plant. It is highly ornamental for borders or potted for conservatory decorations. Perennial. Pkt. 10c.

OTHER NOVELTIES.

Besides the above, many other fine new varieties will be found in the general list of flowers which follows.



GIANT SNOWBALL DAISY.

GENERAL LIST FLOWER SEEDS.



ABRONIA—Trailing habit similar to Verbenas, bearing clusters of sweet-scented flowers. Effective for bedding in masses, and very desirable for rock-work or hanging baskets. Best colors, mixed. Pkt. 3c.

ABUTILON—Fine mixed. Pkt. 25c.

ACONITUM NAPELLUS—(Monk's Hood)—Does well under shade. Pkt. 5c.

ACROCLINIUM—One of the most beautiful everlasting flowers bearing a great number of handsome daisy-like blossoms. Double mixed. Pkt. 3c.



ADLUMIA—(Mountain Fringe)—A beautiful hardy perennial vine, with Fern-like foliage of a pale green color, with pretty flesh-colored blossoms. Is also called Allegheny Vine. Pkt. 10c.

ADONIS AESTIVALIS—Brilliant scarlet blossoms throughout the season; succeeds well in the shade. Pkt. 3c.



AGERATUM MEXICANUM—Very desirable for bouquets; produces a great many blue flowers, and blooms a long time; largely used by florists; start seed early. Pkt. 4c.

Albiflorum—Like above, only white. Pkt. 5c.



AGROSTEMMA, Coeli Rosa—Perfectly hardy plants, producing pretty, pink-like blossoms, on long slender stems. Very useful for cutting for bouquets, and pretty in masses in beds. Also known as Rose of Heaven. About 1½ feet high. Deep rose color. Pkt. 3c.

Alba—White; fine for cemetery. Pkt. 5c.



SWEET ALYSSUM—Has pretty little white flowers, useful for making up in all kinds of small bouquets; and its fragrance, while sufficiently pronounced, is very delicate. It grows freely from seed. Makes a pretty border and is one of the very best plants for a basket or pot. Pkt. 3c.

Little Gem—See *Novelties*. Pkt. 5c.

AMARANTHUS—Prized for variety of handsome foliage, whether grown in conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Should not be planted in the north before May.



Tricolor—Leaves yellow, red and green; well known as "Joseph's Coat." Very showy in

beds alone. Hardy, annual; two feet high. Pkt. 3c.

Stanley—One of the finest of this showy class of annuals, which produces numerous stalks covered with long thick panicles of crimson flowers. It commences to bloom shortly after sowing and continues until late in the fall. Height, 15 inches. Pkt. 5c.

Caudatus—(Love-lies-bleeding).—Produces long, drooping chains of brilliant colored flowers. Pkt. 3c.

Cruentus—(Prince's Feather).—Pkt. 3c.

Salicifolius—(Fountain Plant).—Handsome form, beautiful foliage, and very desirable for centers of beds, borders, or pot culture. Pkt. 7c.

AMPELOPSIS VEITCHII—(Boston Ivy).—A good wall plant, clinging to the smoothest surface. Perennial and perfectly hardy. Pkt. 10c.

ANAGALLIS—Low growing plants, with remarkably bright and handsome flowers; mixed varieties. Pkt. 10c.

ANTIRRHINUM—(Snap Dragon).—Those who have cultivated only the old fashioned, faded Snap Dragon have no idea how bright and beautiful these new and improved varieties are. They are easily raised from seeds, make a gorgeous bed on the lawn, and if freely cut they bloom incessantly throughout the season. Our mixtures contain all the new and choice colors, including the beautifully striped, variegated and margined. Tall varieties, mixed. Pkt. 5c.



Tom Thumb—A collection of the most beautiful, very dwarf varieties; mixed colors. Pkt. 7c.

AQUILEGIA—(Columbine).—Very hardy and easily grown; flowers of all shades; mixed varieties; perennial. Pkt. 5c.

White—Blooms on Decoration day. Very desirable for cemetery. Pkt. 10c.



ARABIS ALPINA—Among the earliest blooming plants, and very useful for rock work edgings, carpet bedding, etc. Flower

pure white. Plant 9 inches high and a hardy perennial. Pkt. 10c.

ARGEMONE—(Prickly Poppy).—Free-blooming; flowers somewhat resemble the poppy. The foliage is large, pretty in form, and of a pleasant light green color. Mixed colors. Pkt. 3c.

ASPERULA AZUREA SETOSA.—A hardy, dwarf-growing little annual, producing an abundance of small, light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c.

AMOBIMUM, Alatum Grandiflorum—Very hardy, everlasting, with pretty white flowers; useful for bouquets. Pkt. 4c.

ASTERS.—The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers, make it a leading favorite. For a late summer and fall display it has no equal. Give the asters a deep, rich soil, with plenty of mulching, and it will surprise even its friends with its profusion of richly-colored perfect flowers. Plant early as possible.

Snowball—(See page 42.) Pkt. 15c.

Harlequin—(See page 42.) Pkt. 10c.



New Comet—The shape of this new variety differs from all others, resembling closely the large-flowered Japanese Chrysanthemums. The flowers are from 3½ to 4½ inches in diameter, perfectly double; many handsome colors mixed. Pkt. 10c.

Victoria.—This is a magnificent sort, 20 inches high, vigorous in growth, pyramidal in habit, very free blooming; flowers double to center; very large. Adapted for either garden or window culture. Very brilliant colors, mixed. Pkt. 10c.



Crown.—The center of each flower is white, surrounded by a broad margin of color, such as crimson, rose, violet, etc.; flowers large and freely produced; height, 18 inches to 2 feet. Mixed colors. Pkt. 10c.



New Triumph.—This novelty is undoubtedly the most beautiful and most perfect of all dwarf Asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from $2\frac{1}{2}$ to 3 inches across. All petals beautifully in-curved; color is peculiarly rich and brilliant. When beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent satiny deep scarlet, presenting thus, with these two brilliant colors, a lovely sight. It is well adapted for borders, groups, carpet bedding or for pot culture. Our illustration gives but a faint idea of the beauty of this Aster. Pkt. 10c.

Dwarf German. Mixed colors. Pkt. 10c.

Pyramidal Bouquet.—Very fine, mixed colors; each plant forms a bouquet. Pkt. 10c.

Large Flowered Rose.—Flowers very large, perfect and brilliant; best mixed colors. Pkt. 8c.

Truffant's Peony-Flowered Perfection.—Mixed colors. Pkt. 5c.

Hedge Hog or Needle.—Very peculiar, long quilled petals, handsome and sure to attract attention; mixed colors. Pkt. 10c.

New Washington.—The largest Aster in cultivation, the flowers often measuring four or five inches across; perfectly double, fine form, and of many exquisite colors. Plant is pyramidal, and very free blooming; mixed colors. Pkt. 10c.

All Kinds Mixed.—Including seeds of most of the varieties in the above list. Pkt. 5c.

Royal Mixed.—A very choice selection of all the best sorts, and none of second grade. Pkt. 10c.

Collection of Asters.—One packet each of the 12 varieties named above for 85c.

BALLOON VINE.—Half hardy annual, requires partial shade; pretty vine and flower. Pkt. 5c.

FOLIAGE BEETS.—One of the most effective foliage plants in existence, its leaves producing a wealth of tropical beauty. Its metallic, lustrous and glistening leaves equal any of the most expensive exotics and conservatory plants. In nine separate colors; one packet of each for 25c. Mixed colors. Pkt. 5c.

BROWALLIA ELATA.—Produces very delicate and handsome flowers in great abundance. Mixed. Pkt. 10c.

BALSAMS.—The Balsam, like the Aster is one of the most beautiful and popular of our Annuals. Like hat flower, too, it is a favorite, and so much improved during the last quarter of a century that it scarcely bears a resemblance to the old flower commonly known as Lady Slipper; unsurpassed for masses, fine for ribbon beds or borders; flowers double as the Rose and very striking in their rich coloring, ranging from pure white to rich, dark crimson.

Peerless Mixed.—This acme of perfection is made up from the best foreign and American strains, and their beauty is truly marvelous; flowers double as a Camelia and of all known colors, and plants are loaded with several hundred flowers. Pkt. 10c.

Double White.—Very desirable, and largely used by florists. Pkt. 8c.



Carnation Striped.—Very showy and attractive. Sure to attract attention. Double, all colors mixed. Pkt. 5c.



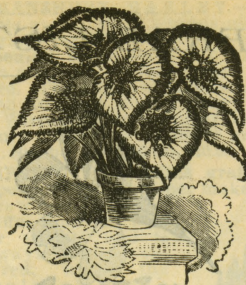
Camelia-Flowered. Mixed.—Very double, resembling the Camelia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 10c.

Maiden's Blush.—A new variety of Double Balsam, which is of a very delicate and handsome blush color. Pkt. 8c.

All Varieties Mixed. Pkt. 5c.

BEGONIA. Single tuberous-rooted.—(See description on back of colored plate.) Finest new single varieties mixed. Pkt. 15c.

Double Mixed Tuberous-rooted.—Pkt. 25c.



Rex.—(Ornamental Leaved Varieties.)—Extra fine mixed. All should grow them. Pkt. 15c.

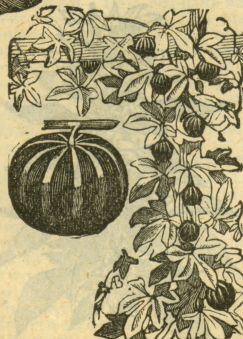
Mixed.—Fourteen excellent flowering varieties. Pkt. 15c.



BRACHYCOME. Swan River Daisy.—(Kurzschopf.)—A dwarf-growing plant, flowering the greater part of the season. Very effective in edgings, beds or rustic baskets. Requires light, rich soil. Half-hardy annual; one-half foot high. Flowers blue and white. Mixed colors. Pkt. 5c.

A LIBERAL DISCOUNT.

Flower seeds in packets to the amount of \$1.25 for \$1.00. We also give free packets with every order.



BRYONOPSIS.—A beautiful

summer climber, bearing green fruits which change to bright scarlet striped with white. Pkt. 5c.



CALIOSIS.—Fine for cutting, and the more you pick it the better it blooms. Mixed varieties and colors. Pkt. 5c.

Golden Wave.—(See Novelties.) Pkt. 8c.

CALENDULA.—Belongs to the well known Marigold family.

Officinalis Le Proust.—Very double, nankeen colored. Fine. Pkt. 5c.

Meteor.—Striped light orange, Pkt. 5c.



Oriole.—Surprisingly grand and brilliant, far eclipsing any Calendula hitherto known. The extra large double flowers are indescribably rich and glowing in tone, of an intensely bright golden yellow, wonderfully free-flowering. Pkt. 10c.

Prince of Orange.—Twelve to eighteen inches high, and produces large, brilliant, deeply imbricated flowers in great profusion from early summer until after frost. A pale straw yellow, striped with a most intense shade of orange. Pkt. 5c.

Fine Mixed.—Pkt. 8c.



CAMPANULA.—Speculum.—(Venus' looking glass.) Handsome for masses; hardy, free bloomers. Pkt. 5c.

Cup and Saucer.—(See Novelties, page 42.) Pkt. 10c.

Macrostylis.—A very curious shaped, handsome, large violet flower; remarkably fine. Pkt. 10c.

CANDYTUFF.—A hardy annual of the easiest culture; an old favorite. Seed should be sown where the plants are to bloom.

Snow Queen.—(See description on page 43.) Pkt. 8c.



Coronaria.—(Tom Thumb)—Dwarf. Pkt. 5c.

Dunnet's Crimson.—Splendid bright crimson. Pkt. 5c.

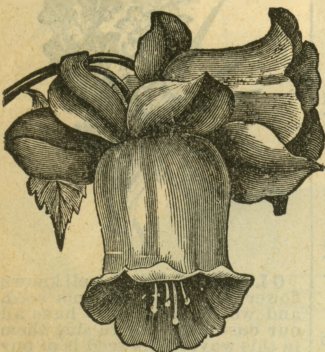
Best Mixed.—A mixture of all varieties. Pkt. 3c., oz. 40c.

CALEMPELIS SCABRA.—A handsome vine producing bright orange flowers in great abundance. Pkt. 10c.

CACTUS. Fine mixed varieties. Pkt. 15c.



CANARY BIRD FLOWER.—One of the most beautiful of climbers, with delicate, finely cut foliage and curious bright yellow flowers resembling the canary bird in shape and color. Pkt. 10c.



CANTERBURY BELLS.—A free blooming and very handsome border plant; flowers bell-shaped; perennial.

Single Mixed Colors.—Pkt. 5c.

Double Mixed Colors.—Pkt. 5c.

CANNA.—Magnificent foliage plants growing from three to six feet in height. If convenient it is well to start seed in heat. Finest mixed. Per pkt. 5c., oz. 40c.

Crozy's Mixed.—See description on back of colored plate. Pkt. 10c.

CELOSIA JAPONICA.—(Japan Cockscorn)—Very bright crimson. Well grown specimens are large and finely cut, producing a very striking and handsome appearance. Pkt. 5c.



Pyramidalis Plumosa.—A very handsome feathered sort. The entire plant is of perfect pyramidal form if given room for development. Flowers are of all shades of scarlet, crimson, yellow and pink. The stalks and leaves are also beautifully veined. Pkt., 7c.

Giant Empress.—See Novelties on page 41. Pkt., 10c.

Glasgow Prize.—A very fine semi-dwarf variety, with large, brilliant, crimson comb and very handsome dark foliage. Specimens grown on our place for seed this year measured 10 to 12 inches in diameter. Start seeds early. Pkt., 10c.

All Varieties Mixed.—Pkt. 5c.

CENTROSEMA.—See Novelties on page 39. Pkt., 15c.

CENTAUREA, Cyanus.—(Bachelor Button)—Mixed. Per pkt., 3c.

Moschata.—(Sweet Sultan)—Mixed. Pkt., 5c.

Double.—See Novelties. Pkt., 10c.

CHRYSANTHEMUMS.—One of the prettiest annuals grown. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called "painted daisies," and are indeed charming. Sow seed early in open ground and they will bloom profusely all summer.

Mixed Varieties.—Includes all the best. Pkt., 5c.



New Double.—See Novelties. Per pkt., 15c.

Indicum Pompon.—Double mixed. This is the most popular greenhouse variety. Very showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks. Pkt., 10c.

CINERARIA Hybrida.—Very handsome greenhouse plants, fine mixed. Pkt., 20c.

Maritima.—Silver-leaved. Per pkt. 5c.

CACALIA COCCINEA.—A handsome, free-flowering little plant; owing to the peculiar form of the flower, it is sometimes called Tassel-Flower, or Flora's Paint Brush. Scarlet. Pkt. 5c.

CARNATION.—The finest of the Dianthus or Pink family; very fragrant. Our seed is unsurpassed.

Double Extra Mixed.—Pkt. 15c.

Selfs Mixed.—The one color sorts. Pkt. 10c.

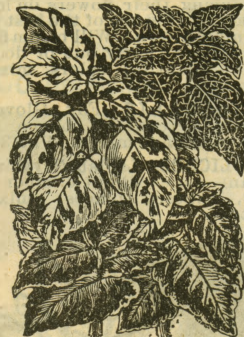
Perpetual, or Tree.—Pkt. 25c.

Marguerite.—See description on page 41. Per pkt. 15c.

CATCHFLY.—(Silene Armeria)—A very pretty and showy little plant. Mixed colors. Pkt. 2c.



CLARKIA ELEGANS.—There has been much improvement in this flower in recent years, both in size and form of flower. Of easy culture, an early and free blooming plant; fine mixed, double and single. Per pkt. 3c.



COLEUS.—Handsome foliage plants, much used for massing and edging. Seed should be started under glass. Mixed varieties. Pkt. 15c.

COCKSCOMB.—See Celosia.

COREOPSIS.—See Calliopis.

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

White.—New and elegant. Per pkt. 10c.

CLIANTHUS DAMPEIRI.—A beautiful shrubby climber, grown mostly under glass, but does well out of doors in summer

time. Flowers brilliant scarlet, growing in clusters. Pkt. 25c.

CLEOME PUNGENS.—(The Giant Spider Plant)—Growing vigorously four to five feet high, flowering profusely and a perpetual bloomer, and of a bright rose color. It is also one of the very best honey producing plants; the bees delight in it and cluster about it constantly. Pkt. 10c.



CONVOLVULUS, Major.—(Morning Glory)—Very useful, rapid and free blooming, hardy climbers, Mixed colors. Pkt., 2c; oz., 10c.

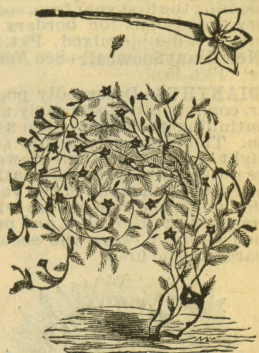
Minor.—(Dwarf Morning Glory)—Flowers smaller than the old vining sort, and producing a greater abundance. Beautiful for massing. Fine mixed colors. Pkt. 5c.

COSMOS.—See Novelties, page 40. Pkt. 10c.

CUPHEA, Platycentra.—(Clgar Plant)—Greenhouse plant, also makes a handsome border. Flowers bright scarlet, tipped with black and white. Pkt. 15c.

Purpurea.—Fine mixed. Pkt. 5c.

CYPRESS VINE.—A beautiful, rapid climber, with delicate, dark green, feathery foliage, and an abundance of bright, star



shaped scarlet and white blossoms, which in the bright sunshine present a mass of beauty.

Scarlet.—Very bright. Pkt. 5c.

White.—Pretty in contrast with scarlet. Pkt. 5c.

Mixed Colors.—Pkt. 5c.

New Ivy Leaved.—Entirely distinct from all other varieties, both in flowers and foliage. The ivy like leaves make a dense screen from which the pretty frey orange-scarlet flowers stand out in almost countless numbers. It is quick growing and sure to please all who try it. Pkt. 10c.

CYCLAMEN, Persicum.—One of the handsomest of greenhouse plants. The foliage is handsomely marked and the flowers beautiful. Seed should be sown under



glass in well rotted compost and sand. Mixed colors. Best strain. Pkt. 25c.



DAHLIA—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. The seed which we have to offer is of the finest strain, and produces magnificent, very double flowers of large size and richest shades. Pkt. 10c.

Single Mixed—pkt. 10c.

DAISY—Popular perennials, blooming the first year from seed; very handsome for borders or pots; best double mixed. Pkt. 8c.

New Giant Snowball—See *Novelties*. Pkt. 15c.

DIANTHUS—Deservedly popular, coming into bloom early and continuing throughout the season. The fragrance, beauty and bright coloring of their flowers are universally admired; easily cultivated and many of the varieties withstand our severe winters without protection, and produce better flowers the second year than the first.



Mourning Pink—A magnificent new variety, with very double, large flowers, of a peculiar dark color. The ground color of the flowers is a very dark mahogany, almost black, each petal edged with a clear-cut margin of pure white. Pkt. 10c.



Hedewigi—Finest selected single mixed, undoubtedly one of the most showy of the Pink family. Pkt. 5c.

Double Diadem Pink—Superb large double flower. Hieroglyphically marked, like the original Chinese Pinks, in the middle down to the base of each petal; magnificent in color and variety. Pkt. 7c.

Chinensis (Double Chinese Pink)—Finest double mixed. Pkt. 3c.

Laciniatus—Double fringed, best mixed. Pkt. 7c.

Imperialis—Double Imperial Pink. Pkt. 5c.

Mixed Varieties and Colors. Pkt. 5c.

Barbatus (Sweet William)—An old favorite; hardy perennials; single mixed. Pkt. 5c.

DATURA FASTUOSA—A large, strong-growing plant, with trumpet-shaped flowers, the bearing blooms six inches in length. Best double mixed. Pkt. 5c.

DELPHINUM CHINENSIS (Perennial Larkspur)—Well known and very desirable border plants, producing their flowers on long spikes. It is one of the best perennials grown. Will bloom first year if sown early out of doors. Eight beautiful colors mixed. Pkt. 5c.

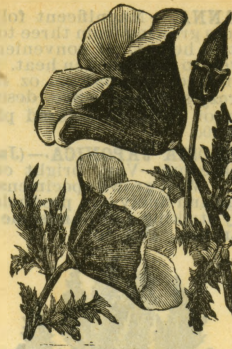
DIGITALIS (Fox Glove)—Hardy perennials; bloom the first year; fine mixed. Pkt. 3c.

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



EDELWEISS—This is the famous and true "Edelweiss" of the Alps. The flower is considered the proper present for a bride from her fiancé on her wedding morn. The flowers are of downy texture, pure white and star-shaped, and easily cultivated. Pkt. 15c.

ESCHSCHOLTZIA (California Poppies)—Showy summer flower-plants; large saucer-shaped flowers of striking brilliancy in the



sunlight; they flower profusely throughout the season. All colors mixed. Pkt. 5c.

Double Mixed—We believe the double form of this flower will prove very satisfactory to all flower-lovers. Pkt. 10c.



EUPHORBIA, *Variegata* ("Snow on the Mountain")—A large, robust-growing hardy annual, with very ornamental green foliage striped with white. Pkt. 5c.

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

FEVERFEW—See *Matricaria*.



FUCHSIA, *Hybrida*—Well known greenhouse plants. Easily grown from seed; finest double and single mixed. Pkt. 15c.

FERNS—Fine mixed varieties. Pkt. 15c.

FOX GLOVE—See *Digitalis*.

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

Calabash, or Dipper—Pkt. 5c.

Hercules' Club—Pkt. 5c.

Nest Egg—Used largely for nest eggs. Pkt. 5c.

Dish Cloth—Pkt. 10c.

Sugar Trough—Pkt. 5c.

All Varieties Mixed—Includes a great many handsome varieties of odd shapes and colors. Pkt. 5c.



FREEZIA, *Refracta Alba*—Bears peculiar clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. Start seed early, bulbs dry off in summer. Start them growing in the house in October and you will be pleased with them. Easily grown. Pkt. 10c.



GAILARDIA—A showy bedding plant, producing an abundance of brilliant flowers through the whole summer and fall. Best mixed, all varieties. Pkt. 3c.

Lorenziana—New double, one of the finest annuals grown for bedding and cutting. Pkt. 8c.

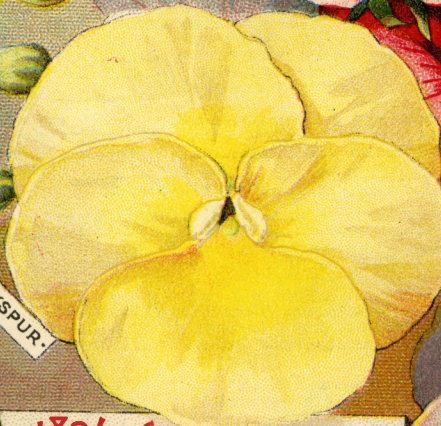


GLADIOLUS—A well known flower, easily grown from seed, and we should like to have all our customers try raising them in this way. This seed is of our own growing, from the very best varieties, and will produce an assortment sure to please any lover of flowers. They bloom the second year from seed. Pkt. 8c.

French Le Moinei—Choice. Per pkt. 10c.



AM. BANNER LARKSPUR.



SWEET PEAS



1894 COLLECTION:

AMERICAN BANNER LARKSPUR	15¢
PERFECTED SWEET PEAS	10¢
INTERNATIONAL MIXED PANSY	25¢
VARIVEINED SALPIGLOSSIS	10¢
NEW MIXED WAHLENBERGIA	10¢
The entire Collection for only 40 ¢	TOTAL 70 ¢

IOWA SEED CO. DES MOINES.



INTERNATIONAL MIXED PANSY



WAHLENBERGIA



VARIVEINED SALPIGLOSSIS

DON'T FAIL TO TRY THESE SUPERB FLORAL NOVELTIES.

We want every one of our customers to try the five grand floral novelties illustrated on our colored plate, and have therefore put our price extremely low on them. They are all of easiest culture, sure to do well with ordinary treatment, and produce an abundance of most beautiful flowers. We have thousands of farmer customers who purchase only farm seeds from us every year, and we especially desire that you remember your wife and children when sending your order this year, and include one of these collections for them. It costs but little, and we assure you they would enjoy it greatly. Flower lovers everywhere cannot fail to be pleased with them. With each collection we send directions for cultivating all the kinds, and we assure you if you give them a little extra care you will be richly repaid for your labor. All these varieties were first introduced by us and we take pride in them all.

AMERICAN BANNER LARKSPUR.

Our colored illustration does not do justice to this, the handsomest flower in the entire catalogue, and in fact it is impossible for art to portray it in any satisfactory manner. The accompanying illustration represents a single stem, showing how loaded the plants are with flowers. The name *American Banner*, was given it because it is the only flower we know of which 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 floret. The flowers are produced in the greatest profusion, making it one of the finest annuals in cultivation. The flowers can be dried by hanging them with the head downwards, in a dark closet, and will retain their colors and keep for winter bouquets as well as any everlasting. It is really the most extraordinary novelty ever offered to the flower lovers of the country. Per pkt., 15c; 4 pkts. for 50c; 10 for \$1.00

NEW VARIVEINED SALPIGLOSSIS.

This is one of the handsomest and richest colored annuals with which we are acquainted. Flowers are beautifully variegated and veined, and attract great attention. It is much larger than the common *Salpiglossis*. The surface is soft and velvety, and the wealth of color marvelous. The plants are easily raised, and on good soil will grow from two to three feet high. Colors range from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, etc., with all shades between beautifully striped, veined and mottled. They rival an Orchid in splendor of color and markings. Blooms all summer and until severe frost in the fall. They are, indeed, very satisfactory garden flowers, and we cheerfully recommend them to our patrons. Seeds were saved from the finest flowers grown on our Adair County Seed Farm. Don't fail to try them. Per pkt., 10c.



AMERICAN BANNER LARKSPUR.

WAHLENBERGIA—Grandiflora Mixed.

No artist can do justice to the wonderful beauty of this flower, which attracts much attention on our seed farm. It is easily grown and is the flower for everybody, in city and country. It is a perennial plant, blooming first year from seed, which should be sown early in the open ground. They bloom very profusely and continuously all summer, if flowers are removed as soon as they begin to fade. The flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of dark blue, light blue, lavender and white. Before opening, the flower buds look like little balloons, and on pressing, open with a peculiar cracking, snapping sound, like the bursting of a paper bag, always interesting the children. Plants are as hardy as oaks, living over winter without the slightest protection, and increasing in size from year to year. Our seed is saved from the best double and single flowers. Per pkt., 10c.

INTERNATIONAL MIXED PANSIES.

In almost every country in the world there are Pansies peculiar, notably those of Scotland, Belgium, France, Germany and Switzerland. Each have their idea of perfection. This mixture consists of a grand assortment from the world's leading growers, and we have gone to great pains to secure them for our customers. Here will be found the beautiful German pansies, with their rich, soft velvety colors; the lovely striped and mottled pansies from Belgium, which contrast so strongly with all others; the face pansies of England, in which one can almost see the human face, because of their peculiar spottings; the self colors of Switzerland, which are attractive because of their pure coloring; the fancy show pansies of Scotland, of bright contrasting colors and rare spotting, flaking, feathering and edging; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are decidedly showy; and also the many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like Pansies you must have the International Mixture. Per pkt., 25c; 3 pkts for 50c; 7 for \$1.00.

PERFECT MIXED SWEET PEAS.

Each year Sweet Peas are becoming more popular, and there is good reason to believe that it is the coming flower of the future. The improvements made during the past few years are greater than in any other flower in the entire list, until we have them now to about as near perfection as they can well be brought. We have therefore named this superb strain the Perfect Mixed, and are sure our customers will be more than pleased with them. They are of the most graceful form, charming color, exquisite fragrance and simple loveliness. This mixture contains all the most choice new varieties, as well as some of the best of the old favorites. One secret in successful Sweet Pea culture is to plant early and deep, not less than four inches. Don't fail to try them this year. Per pkt., 10c; oz., 20c; ¼ lb., 65c.

EMILY HENDERSON SWEET PEAS.

A beautiful absolutely pure white, as clear as alabaster and as lustrous as satin. The flowers, of remarkable substance, are borne on long, stiff peduncles, are extra large, and stand up boldly without reflex or curl. The plants are robust, compact and branching, producing such a prodigal abundance of flowers that the plants appear as if covered with snow. From one plant, specially cultivated, has been cut in one season the seemingly incredible number of 1035 sprays of bloom. In earliness it out-rivals all competitors by nearly two weeks, and continues a veritable "cut-and-come-again" to the end of autumn. The fragrance is most delicious and distinct. These attracted great attention on our seed farm, where we had them growing from



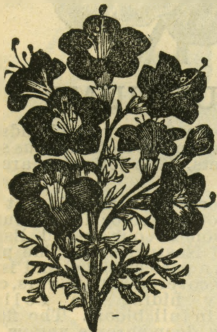
seed procured direct from the originator. It surprised us by being even better than was claimed for it. Per pkt. 10c, oz. 50c.

1894 COLLECTION.

One packet each of the five superb floral novelties shown on our colored plate, for forty cents; three collections for one dollar.



GERANIUMS.—These favorite plants are easily raised from seed, which will frequently reward the cultivator with charming new varieties. Plants from seed started early in the house, will bloom the first summer in the garden. Seed is saved from the best varieties mixed. Try it. Pkt. 10c.



GILIA—Low growing annuals, pretty for borders or beds; flowers profusely. Very useful for cutting, of easiest culture. Tall Varieties—Mixed. Pkt. 4c. Dwarf Varieties—Mixed. Pkt. 4c.



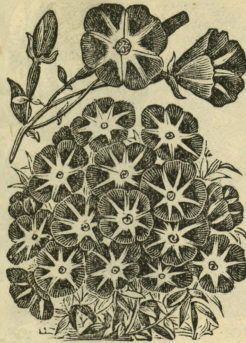
GLOBE AMARANTH (*Gomphrena*)—Valued for its handsome, globular heads of flowers, which, if cut when well matured, will retain their beauty for many years. Mixed colors. Pkt. 5c.

GLOXINIA—Greenhouse plants, producing richly colored and brilliant flowers. Finest strains of new hybrids; mixed. Pkt. 25c.

GYPHOPHILA Elegans.—Very handsome small flowers, produced in loose panicles in great abundance. Fine for bouquets, also much used dried for winter bouquets; mixed. Pkt. 5c.

GRASS PINKS.—The hardy and pretty clove-scented flowers our grandmothers loved. There has been a great call for this, and we are pleased to offer it this year. Pkt. 5c.

GODETIA—Handsome plants for borders or ribbon beds, flowers very bright, constant bloomer. Best varieties mixed; Pkt. 5c.



Lady Satin Rose.—The flowers, produced in remarkable abundance, are of a brilliant deep rose pink, the surface shining like satin. Pkt. 8c.

GNAPHALIUM, Orientale Fl. Plena.—The famous French Immortelle. Pkt. 15c.



HELIOTROPE—A great favorite with all lovers of flowers for their beauty and fragrance; well suited for beds, borders and pot culture. All should try raising these from the seed and obtain a nice variety. Pkt. 10c.



HELICHRYSUM—A mixture of splendid double varieties, one of the best and most easily grown of the everlasting. Pkt. 5c.

HELIANTHUS—(Sunflower)—Some varieties of this well known plant are very ornamental.

Silver Leaved.—But few who see this splendid new plant would imagine that it was a sunflower. It grows three or four feet high, forming a perfect pyramid. The leaves are long and densely covered with long white hairs which give it a peculiar, shining, silvery appearance, differing in this respect from any other flowering plant. Flowers are clear golden yellow, three to four inches across, with small, dark brown centers. Very desirable for a hedge or as a specimen plant for

center of beds. Early in the morning while covered with dew drops it is really magnificent. Pkt. 10c.

Peerless Mixed.—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some which are both curious and desirable. Pkt. 5c.

Globosus Fistulosus.—Double, the best of the tall varieties. Pkt. 5c.

Nanus.—A true double dwarf, quite pretty. Pkt. 5c.

Mammoth Russian.—Largest of all. Pkt. 3c oz. 8c., lb. 40c.



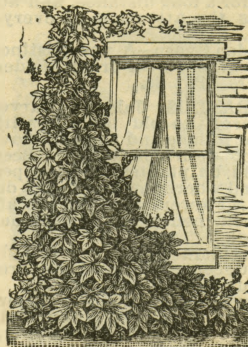
HOLLYHOCK—No garden flower is more showy or more admired. The plants are stately in appearance, the flowers brilliant in color and delicate in texture. Why are they not more popular? It is because of the erroneous idea that the plant will not bloom till the second season from seed. Blooming plants can be raised the first year as easily as plants of Zinnia or Marigold. All that is necessary is to start the seeds in a box in the house in February or March. About May 1st transfer to permanent place in garden, where they will produce elegant spikes of flowers in August and September, and there after from year to year. Our seed is the very best obtainable.

Double Pure White.—Large, clear, pure white flowers about three inches in diameter. They are as handsome as Camellias in cut flower work, and are highly valued by florists. Pkt. 10c.

Splendid Mixed.—An unequalled mixture of seventeen prize varieties including all colors and shades known. Pkt. 15c.

Fine Mixed.—Contains a good variety. Pkt. 5c.

HYACINTHUS, Candicans.—Throws up flower stalks three to four feet high, with beautiful white drooping flowers; fine for mixing in beds of *Glaucolus*; blooms second year. Pkt. 5c.



HUMULUS—(Japanese Hop)—An ornamental fast-growing climber; foliage of a lively green stem and leaves rough and hairy.

Can be sown in the open ground in spring, and attains enormous dimensions in a very short time. Pkt. 10c.

HYBISCUS, Africanus.—Handsome hardy annuals, with large, highly colored flowers. Pkt. 3c.

IRIS Siberica.—Easily grown from seed. Pkt. 5c.

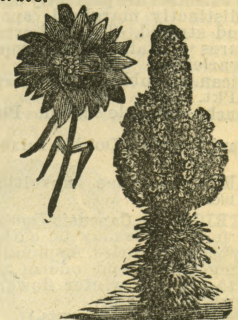


ICE PLANT (*Mesembryanthemum*)—A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in the sunshine. The flower is white. Pkt. 5c.



IPOMEA, Bona Nox.—Large purplish flowers; blooming at night; often called Good Night or Evening Glory; a rapid grower and free bloomer. Pkt. 5c.

Heavenly Blue.—See Novelties. Pkt. 20c.



LARKSPUR.—Beautiful plants with fine cut leaves. They do best in rather heavy rich soil.

American Banner.—The handsomest variety extant; colors bright and distinct. Don't fail to try it. See description with novelties. Pkt. 15c.

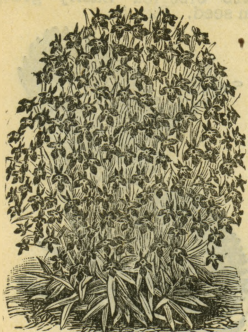
Dwarf German Rocket.—Mixed colors. Pkt. 5c.

Tall German Rocket.—Mixed varieties. Pkt. 3c.

LATHYRUS, Latifolius (Perennial Peas)—Handsome, free flowering plants, growing five to ten feet high, diedown to the ground every winter, starting up again in the spring; fine mixed. Pkt. 5c.

LANTANA.—Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors, Pkt. 15c.

LINUM, (Scarlet Flax,)—Pkt. 3c.



LOBELIA.—Handsome trailing plants; profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

LUPINUS.—Commonly called Sun Dials; flowers of very bright colors, produced in spikes. A fine bedding plant. Mixed varieties, Pkt. 5c.

LYCHNIS, Haageana Hybrida. —Very desirable hardy perennials, blooming the first year if sown early. Fine mixed. Pkt. 8c.



MARIGOLD.—These have been greatly improved within the past few years, and are now popular garden flowers. The flowers of some varieties are perfectly double, distinctly margined, spotted and striped. The following mixtures contain all the very best varieties:

African.—Double mixed, largest. Pkt. 4c.

French.—Double mixed. Pkt. 4c.

Dwarf French.—Double mixed, best. Pkt. 3c.

MARTYNIA.—See novelties. Pkt. 10c.

MATRICARIA, Capensis (Double Feverfew)—This may be called everybody's favorite. A splendid bedding plant, and one of the best to pot for winter flowers; pure white. Pkt. 5c.

Golden.—(See *Pyrethrum*.)
Exima Nana, Fl. Pl.—Small, compact, perfectly round plants about four inches high. Covered from July until winter with double white flowers, borne on long slender stems excellent for edgings or borders. Pkt. 7c.

MAURANDIA.—Pretty for baskets, window vases and indoor decorations. Fine mixed. Per pkt. 10c.

MIMULUS—Moschatus (Musk Plant.) Pkt. 10c.

Tigrinus—Tigered and spotted varieties; very fine. Pkt. 10c.

Duplex—Beautiful double (Hose in Hose), tigered and spotted varieties. Pkt. 10c.

MIGNONETTE.—Well known sweet scented little flower; fine for borders or masses.

Sweet Scented.—The old favorite. Pkt. 2c., oz. 20c.



Matchet.—An entirely new and distinct sort of great merit. It is of dwarf and vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers. One of the very best sorts for pot culture. Pkt. 7c.

Gabriele—A handsome new variety, the tallest of any. Strong, robust habit, bearing large spikes of red flowers. Very distinct. Pkt. 8c.



Miles' White Spiral—Grows two or three feet high, perfectly erect, spikes of bloom often measure twelve inches long. It is very showy in growth, and the grand spikes of bloom can be seen for a long distance, and attracts the attention of everybody. Pkt. 5c.

Golden Queen—A very distinct new variety, with bright golden flowers. Pkt. 3c.

MIRABILIS, Jalapa—(Marvel of Peru)—An old favorite with bright foliage and fragrant flowers of desirable colors. Seed should be planted in the open ground where the plants are desired. Flowers open in the afternoon, hence the name "Four O'clock."

Longiflora—White, exceedingly sweet-scented; flower tube three or four inches long. Pkt. 5c.

Tom Thumb, White—A new, very dwarf variety, completely covered with pure white flowers. Pkt. 5c.

Mixed Colors and Varieties—Pkt. 3c.

MUSA ENSETE—See *Novelties*. Pkt. 20c.



ELEGANT NASTURTIIUMS.

These may well be classed among our most showy and handsome annuals. They are of very easy culture, and make a continuous show of bloom. Excellent for corsage bouquets. The following are the best varieties, which all should try:

Cloth of Gold—Entirely unlike all other nasturtiums, the foliage of this new variety is a clear bright yellow. The plant is of dwarf, compact habit, very beautiful, even before coming into bloom, while the deep scarlet flowers intermingled among the yellow leaves add much to its beauty. Pkt. 7c; oz. 35c.

Lady Bird—Of dwarf, neat compact habit of growth, and its striking flowers are produced in profusion all summer. Rich golden yellow, each petal barred with a bright vein of bright ruby crimson. Per pkt. 7c; oz. 30c.



Aurora—This magnificent variety of new color is a valuable addition to our grand list of Dwarf Nasturtiums. The plant forms a perfect globe, and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of a deep chrome yellow, the upper petals showing lighter reflexes, while the two lower petals are blotched with purplish carmine and marked with bright carmine veining. Pkt. 10c; oz. 40c.

Chameleon—The flowers of this new Tom Thumb Nasturtium are in color crimson, bronze and gold, bordered and flamed, changing in hue almost daily, hence named "Chameleon." In habit compact and graceful, a profuse bloomer, and an excellent pot plant. Pkt. 7c; oz. 35c.

Geant des Batailles—A climber with brilliant flowers. Pkt. 5c; oz. 20c.

Crystal Palace Gem—Dwarf; sulphur color, spotted with maroon; very handsome. Pkt. 5c; oz. 20c.

Tall Varieties Mixed—Pkt. 3c; oz. 15c.

Dwarf Varieties Mixed—Pkt. 3c; oz. 15c.

Imperial Collection of Nasturtiums—This includes a dozen of the dwarf varieties, selected from both American and foreign growers; this when planted in beds, produces a mass of colors. Pkt. 10c; oz. 25c.

One packet each of the above 12 varieties for 50 cents.

MYOSOTIS—(Forget-me-nots)—Perennials; bloom first year from seed. Pretty plants with neat little star shaped flowers.

Alpestris—Mixed colors, Pkt 5c.

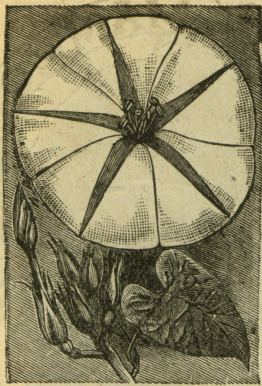
Palustris—True Forget-me-not blue. Pkt. 10c.

Victoria—A novelty, and the best variety for pot culture, dwarf, globular habit; beautiful sky blue flowers with double center. Pkt. 10c.

Empress of India—Of dwarf, bushy habit, the leaves a dark, purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers, which stand out in bold relief. Its profusion of bloom and dazzling richness of color are remarkable. Pkt. 5c; oz. 25c.

King of the Blacks—A very handsome climbing variety, with flowers of a very rich dark brown almost black. Pkt 10c; oz. 40c.

Napoleon III—A beautiful climbing variety, with golden yellow flowers, striped with rosy scarlet. Pkt. 7c; oz. 30c.



MOONFLOWER—A very handsome climber, growing 25 to 40 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. 10c.



NICOTIANA. Affinis—A night-blooming plant, about two feet high, blooming throughout the season. The flowers are tubular white, profusely borne, and delightfully fragrant. We know of no garden flower yielding a more agreeable odor. A few plants will perfume the whole yard or garden. Pkt. 8c.



NIGELLA—(Love in a Mist)—Hardy annuals, about one foot in height, finely cut leaves and handsome flowers; blooms early. Mixed colors. Pkt. 4c.

GENOTHERA—(Evening Primrose)—An interesting half-hardy annual, opening its flowers toward evening with a snap that is sure to attract attention, especially of the children. Mixed colors. Pkt. 8c.

OXALIS—Handsome basket plant, summer or winter; fine for rockeries. Pkt. 10c.

PHLOX DRUMMONDI—If we could have but one flower for our garden, that one would be the Phlox. Its brilliant shades



IOWA SEED CO.'S SINGLE AND DOUBLE PETUNIAS.

of color, ranging from clear white to brilliant scarlet make an almost dazzling show; continually in bloom.

Cuspidata or Star.—See Novelties. Per pkt. 15c.

Double Pearl.—See Novelties. Per pkt. 10c.

Grandiflora Alba.—Pure white. Per pkt. 5c.

Grandiflora Coccinea.—Brilliant scarlet. Per pkt. 5c.

Grandiflora Stellata Carminea.—Very handsome carmine flowers, with pure, white, star-like eye. Per pkt. 7c.

Jubilee.—A decided novelty, being an entirely new color in Phlox, a bright yellow. Attracted much attention on our grounds. They are of strong, bushy, erect habit, each plant presenting a mass of dazzling flowers, each of which is nearly the size of a twenty dollar gold coin and of perfect form. Per pkt. 10c.

Nana Compacta Mixed.—Dwarf, compact growing class; very fine for borders and ribbons. Per pkt. 8c.

Fireball.—Brilliant, dazzling scarlet. Per pkt. 10c.

Snowball.—Delicate, pure white. Per pkt. 10c.

Graf Gero.—A distinct class of Phlox. Habit upright and compact, growing 4 to 6 inches high. Densely covered with many bright colored flowers and is sure to attract attention on account of its dwarf habit and free flowering. Very suitable for pot culture. Everyone will be pleased with it. Per pkt. 10c.

Perennial Mixed.—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.



Mixed Varieties.—A mixture of all varieties and colors. Will make a nice bed. Per pkt. 5c.

Phlox Collection.—One packet each of the above eleven varieties making a grand assortment for only 75c.

PETUNIAS.

Surely there is no garden complete without a bed of elegant Petunias or a few fine specimen plants of it for the center of beds, or for growing in pots. For outdoor decoration or house culture, few plants are equal to this class. They commence flowering early, and continue a mass of bloom throughout the whole season until killed by frost; easily cultivated, requiring rich soil and a sunny situation. Of late years the single striped, mottled and double varieties have been greatly improved, and the above cut gives but a faint idea of their great variety and beauty. The double varieties require more care and should be started in the house.

Nana Compacta Multiflora.—Forms dense little bushes 5 to 8 inches high, studded with regularly striped flowers. Very effective either in masses or in pots. Pkt. 10c.

Grandiflora Mixed.—Very large, elegant flowers; the largest and handsomest of all. 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. Per pkt. 20c.

Hybrida Choice Mixed.—The best of the older sorts, carefully mixed. Contains some extra fine striped and blotched varieties. Per pkt. 10c.

Fine Mixed Colors.—Per pkt. 5c. **Double Inimitable.**—A splendid mixture; our seed is Benary's best and will produce a large percentage of fine double-flowering plants. Per pkt. 25c.

Single Fringed.—A choice mixture of the handsome fringed sorts. Pkt. 10c.



PRIMULA SINENSIS—(Chinese Primrose)—Well known and popular winter bloomers. Splendid mixed colors. Pkt. 25c.

Best Double Mixed.—Pkt. 50c

Fimbriata Mixed.—Fringed. Pkt. 40c.

Elatior (Polyanthus).—Pkt. 10c.

PASSION FLOWER.—See Novelties. Pkt. 10c.



PERILLA NANKINENSIS.—A very fine and dark ornamental-leaved annual. It has a broad, serrated leaf, of a purplish mulberry color, and eighteen inches or more in height. Very desirable for the center of a bed of ornamental-leaved plants, and also for a low screen or hedge. Pkt. 8c.

PORTULACA, Grandiflora Single Mixed.—This old favorite is brightest in the hot, dry weather when other flowers are drooping. They are of almost every conceivable shade of color, and will make one of the brightest spots in the garden. Large flowered. A splendid mixture. Per pkt. 4c.



Double Mixed.—Very handsome, double as a rose, and contains a color and shading unknown in the single. Our seed is extra choice and will produce 60 to 75 per cent of flowers as double as the most perfect rose. Per pkt. 10c

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 like a moist, rather shady location and rich soil. Should be watered freely in dry weather. Seed started in February or March will produce early spring flowers. The largest flowers are always produced on plants which come into bloom in the autumn. Pansies are a specialty with us, and we use the greatest care in growing, selecting and importing the best strains of these universal favorites. All should try our new varieties.

INTERNATIONAL MIXED

—See description of this variety on back of our colored plate. Per pkt. 25c.

VAUTIER'S MAMMOTH PANSY—This strain of enormous pansies has been raised and perfected for twenty years by Charles H. Vautier, one of our most experienced growers. In size and perfect form they rival anything heretofore introduced. The flowers measure two and a half to four inches across, of most perfect form, circular shape; the plants being bushy and compact, and flowering profusely. The colors are rich and varied, embracing all the fancy spotted and striped and self-colors. Don't fail to include this in your order. Per pkt. 20cts.

PEACOCK—This beautiful Pansy was named *Peacock* because of the lovely ultramarine blue contained in the upper petals of the flower, which nearly resemble this color in the feathers of a peacock. The name is further justified by the beautiful, almost iridescent, blending of colors. Per pkt. 10c.

FIRE KING—This novelty comes almost absolutely true, scarcely a plant bearing flower at variance from the type, which is very distinct and striking. The three lower petals each have a large blotch of deep brown-red or magenta margined with yellow, while the upper petals are of a bright reddish-brown, of a really fiery shade, warranting the name of *Fire King*. Per pkt. 10c.

IOWA GIANT—The largest variety of Pansies in existence; equal, if not larger than the *Trimardeau*, and of much better colors. Is much larger than the *Iowa Beauty*, but has not the velvety substance and rich delicate colors of that variety. They produce a great variety of shades and markings, and are sure to please all Pansy lovers. Per pkt. 20c.

CASSIER'S GIANT ODIER—The flowers, of immense size, are of the popular *Odier* type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers of the *Cassier's* are of good substance and fine form, while the plants are of neat, compact growth. Per pkt. 20c.

GIANT TRIMARDEAU—An altogether distinct and beautiful new class of Pansy, the flowers of which are of very large size; some have measured four inches in diameter. Each flower is marked with three large blotches or spots, and stands well above the foliage. Choice mixed colors per pkt. 15c.

LORD BEACONSFIELD—New, large flowers of deep purple violet, shading off in the petals to a white hue. Per pkt. 10c.

RED FLOWERED VICTORIA—If you like Pansies this will please you. It is a really distinct, splendid acquisition; a brilliant, blood-red variety, in fact the first really brilliant red flowering Pansy offered. It is somewhat of the hue of *Wallflower*, with flowers of good size and noble form, and is of great merit for any purpose. Pkt. 25c.

GOLDEN TRIMARDEAU—Has the large size of the *Giant Trimardeau*, but is of a rich golden yellow. Remarkably handsome and showy variety. Per pkt. 20c.

CHOICE GERMAN MIXED—Magnificent large velvety flowers of richest hues and colors. Per pkt. 15c.

Bronze-colored—Handsome Pkt. 5c.

Azure Blue—Very fine shade of sky blue Per pkt. 5c.

Violet margined with white—Per pkt. 10c.

Pure white—Appropriate for cemeteries. Per pkt. 5c.

Golden yellow—Best of the yellow varieties. Desirable as a contrast. Per pkt. 5c.

Faust—(King of the Blacks)—Jet Black. Per pkt. 5c.

Emperor William—Ultramarine blue. Per pkt. 5c.

Odier, or blotched—This superb large variety of Pansies has been much improved. Per pkt. 15c.

Quadricolor—New and distinct; fine. Per pkt. 8c.

Choice large flowering mixed—Very fine. Per pkt. 10c.

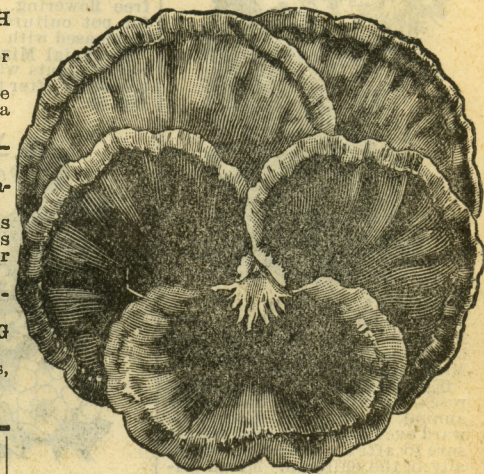
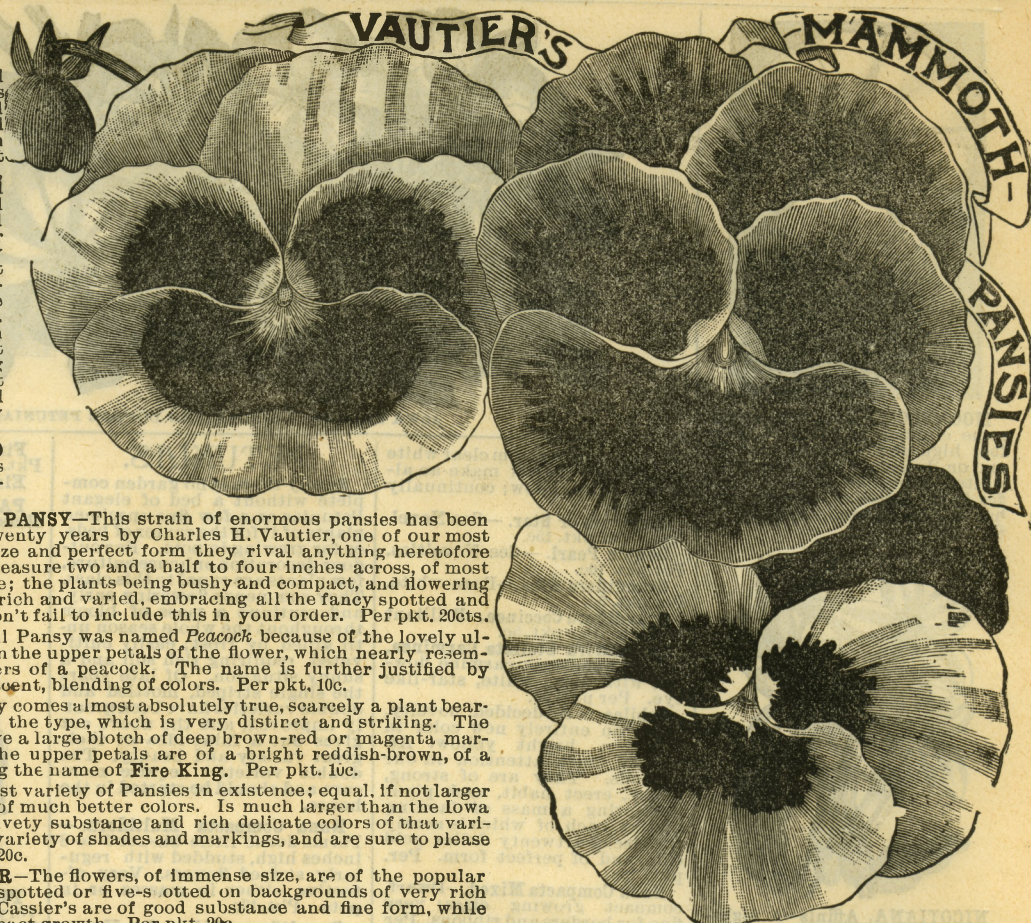
Fine mixed—Choice varieties, per oz. \$2.00, per pkt. 5c.

PANSY COLLECTION.

One packet each of the 27 varieties for \$2.20.

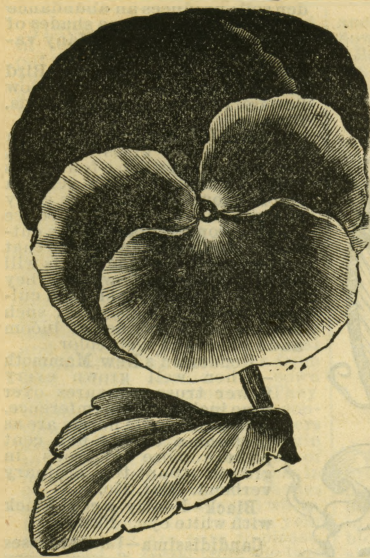


INTERNATIONAL MIXED.



IOWA GIANT.

GIANT BUGNOT PANSY—This is one of the finest strains of Pansies in existence. The flowers are of enormous size, perfectly round, of great substance and of the most varied and attractive markings and colors; each petal bears a blotch that runs out in delicate veins to the edge of the petal. Per pkt. 20c.



IOWA BEAUTY.

Iowa Beauty—Of all the varieties of Pansies ever introduced this is certainly the finest. It contains a great number of varieties, all of which are beautifully marked, blotched or striped with the handsomest and most delicately blended colors. The flowers are of rich, velvety substance and perfect shape, and larger than any other kind, except our Iowa Giant and Trimardeau. All should see the large colored representation of these in our store. Per pkt. 20c.



Snow Queen.—Flowers of a delicate, pure, satiny white, handsome and attractive. Makes a fine showing in beds or for cut flower work, and beautiful for casket use. Per pkt. 10c.

Pansy Collection.—One packet each of the above twenty-seven varieties, amounting to \$3.19, for only \$2.20.

POPPIES.—The dear old flower which our grandmothers loved so much again occupies one of the first places in our gardens. For brilliant, dazzling colors, these new Poppies are equalled only by the Tulip. Some of the flowers are as large and double as the Pæony, others with strange and handsome markings.

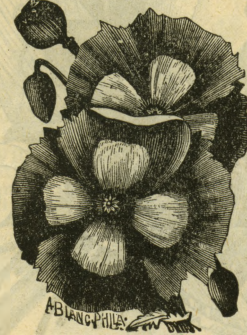
Rosy Morn.—See *Novelties*. Pkt. 10c.

Rosebud.—A most charming novelty which we offer for the first time. Somewhat larger than the Shirley, but its distinctive feature is the shape of the unopened buds, which are mossy and shaped like a rosebud, hence its name. All colors and finely tinted. Per pkt. 10c.

The Shirley.—These exquisitely handsome new Poppies have been

exhibited in London and made quite a sensation in England. In color they run from the purest white thro' the most delicate shades of rose and pink and carmine to deepest crimson. Per pkt. 15c.

The Mikado.—Essentially a Japanese flower in its quaint, yet artistic, beauty. Edges of petals are cut and fringed in the most complete manner. In color it is pure white at the back, whilst the fringed edges are of a brilliant crimson color. Per pkt. 10c.



Danebrog—(Danish Flag)—The peculiar forms and shades of color blend and again contrast in such a manner that the appearance of the whole is most striking and lovely. A large silvery-white blotch at the base of each petal, forming a white cross on scarlet ground. Per pkt. 6c.

Fairy Blush.—The immense globular flowers are perfectly double and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, except at the tips, where they are distinctly colored with rosy cream. Per pkt. 10c.

White Crimson Tipped.—A new, very handsome variety, which is unusually double. Petals are tipped with crimson. Per pkt. 8c.

Pæony-Flowered.—Fine mixed. Per pkt. 3c.

Papaver Umbrosum.—Flowers rich, glowing vermilion, with a deep shining black spot on each petal. Per pkt. 5c.



Vesuvius.—This is one of the most brilliant flowers we have ever seen. The flowers are quite 3½ to 4 inches in diameter; the petals are finely cut or frimbriated, which adds greatly to their beauty; color scarlet. Per pkt. 5c.



Double Carnation.—A splendid assortment of the best double Carnation flowered sorts. Will make an attractive bed. Per pkt. 5c.



French Ranunculus Flowered.—Many colors, mixed. Very handsome. Per pkt. 3c.

All Varieties Mixed.—Per pkt. 5c.

One packet each of the above thirteen varieties for 65c.

PYRETHRUM, Golden Feather.—A very handsome foliage plant. Per pkt. 5c.

Golden Gem.—A beautiful plant for edgings or ribbon beds. Double flowering. Per pkt. 5c.

Roseum.—Plant from which the Persian Insect Powder is made. Per pkt. 8c.



RHODANTHE, Maculata.—One of the prettiest everlasting grown, has bright, rosy crimson flowers, well shown by our engraving. Care is necessary in starting seed, but when once well grown they produce an abundance of flowers. Per pkt. 10c.

RICINUS.—(Castor Oil Bean).—Stately foliage plants. Make a very handsome appearance on the lawn planted singly; also fine for clumps; keeps out moles.

Gibsoni.—Dark purple stem and leaves; fine; dwarf. Per pkt. 5c.

Cambogiensis.—(See *Novelties*). Pkt. 10c.

Common.—Per pkt. 3c., oz. 10c.

All Varieties Mixed.—Per pkt. 4c.

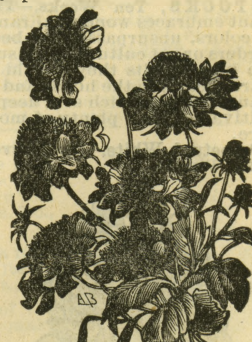


Sanguineus Tricolor.—Blood red stalk. Very attractive. Per pkt. 7c.



SALVIA—Splendens.—One of the most brilliant of flowers; thrives in any light, rich soil; often called Flowering Sage; free bloomers. A brilliant scarlet. Very fine. Per pkt. 10c.

Mixed Varieties.—All colors. Per pkt. 5c.



SCABIOSA.—(Mourning Bride.)—One of the best of free-flowering hardy annuals of very handsome colors. Best double dwarf mixed. Pkt. 4c.



SENSITIVE PLANT.—A very pretty and curious plant, the leaves closing when touched, seeds start slow, and it is best to

start them in boxes, cover shallow and see that they do not dry out; it makes a good house plant for winter, and always pleases the children. Pkt. 5c.

SALPIGLOSSIS.—A very handsome, half-hardy annual; flowers beautifully veined and penciled.

Finest Mixed.—Per pkt. 5c.

Variveined.—(See Novelties.) Per pkt. 10c.

SCHIZANTHUS.—Pretty, tree-flowering, half-hardy annuals, with oddly marked flowers. Mixed. Pkt. 3c.

SEDUM.—Well suited for baskets and rockeries; blooms freely; many varieties mixed. Pkt. 5c.



SMILAX.—Much used for winter decorations; seeds start slowly and should be planted in loose, rich soil and kept moist and warm. Pkt. 8c.

SPRAGUAEA, Umbellata.—Is really a very pretty and attractive little flower, desirable for bouquets. Flowers in dense umbels, on leafless stems, six inches or more in length; blossoms are pink and nearly everlasting. Sow seed under glass or in a sheltered place. Pkt. 10c.

STOCKS, Ten Weeks.—This plant embraces wonderful range of colors, unsurpassed for beds, borders or pot culture. To insure the best results they should be started early in the house and be transplanted to rich soil, deeply cultivated, with plenty of moisture.

Perpetual White.—(See Novelties.) Pkt. 10c.



Large Flowering Dwarf German.—Finest varieties mixed. Pkt. 5c.



SWEET PEAS.

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. They are hardy, free from insects and disease, and if cut freely as soon as they begin to fade will continue to bloom throughout the season. One ounce will sow a row fifty feet long, and make a lovely hedge. Try them.

Eckford's New Hybrids.—A strain of mixed Sweet Peas comprising many beautiful new varieties of bright colors, making a gorgeous effect. Pkt. 10c, oz. 35c.

Miss Blanche Ferry.—Resembles the Painted Lady, which has long been so popular, but the flower is much larger, of better and more decided shades, and blooms more freely. It is so compact and bush like that it can be grown without any support. Very fragrant and unsurpassed for corsage bouquets. Pkt. 8c, oz. 30c.

Queen of the Isles.—After careful and continued selection, this unique variety has become fixed. The large flowers are handsomely striped with both blue and red on a white ground; very fine. Pkt. 10c, oz. 35c.

Butterfly.—White ground, delicately laced with lavender blue; fragrant and valuable for bouquets. Pkt. 5c, oz. 20c.

Violet Queen.—Of dwarf habit, but very free flowering. The flowers range in color from deep mauve of the standard to light violet of the wings; very pretty. Pkt. 10c, oz. 40c.

Invincible Scarlet.—Pkt. 4c, oz. 15c.

White.—Pkt. 4c, oz. 15c.

Painted Lady.—Very pretty, delicate, pink and white. Pkt. 5c, oz. 20c.

Extra Fine Mixed.—Contains a splendid assortment. Pkt. 3c, oz. 10c, ¼ lb. 35c.

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

STATICE, Sinnata Hybrida.

Produce their small flowers in panicles; will hold their color when dry, and are very valuable to work up with the everlasting; hardy and of easy culture; fine mixed. Pkt. 4c.

STEVIA, Serrata.—Produce an abundance of pretty white flowers early in the fall. Pkt. 5c.

SUNFLOWER.—See *Helianthus*.



SWEET WILLIAM (*Dianthus Barbatus*)—For richness and diversity of color the flowers of the Sweet William are hardly equalled; perfectly hardy. Single varieties mixed, pkt. 5c.

Double Varieties Mixed.—Pkt. 10c.

TORENIA, Fournieri.—Beautiful free flowering, trailing plants, well suited for baskets, vases and in moist situations out of doors. A very handsome plant, well worthy of a trial. Pkt. 10c.

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

TROPEOLUM.—One of the most desirable of the annual climbers; easily grown in any common gar-

den soil; produces an abundance of flowers of handsome shades of various bright colors. Many varieties mixed. Pkt. 5c.

Peregrinum (Canary Bird Flower)—Curious bright yellow flowers, resembles canary birds. Pkt. 10c.

VERBENA.—Plant seed in boxes or under glass in March, and transplant when a few inches high. In this way the verbenas can be grown from seed as early as any annual, and will produce much stronger plants than cuttings; another advantage is that a large portion of the plants will produce fragrant flowers. They delight in rich soil and good culture, and will repay all such trouble by abundance of bloom and richness of their color.

Henderson's New Mammoth.

—When well grown every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbenas. Pkt. 15c.

Black.—Nearly a coal black with white eye. Pkt. 10c.

Candidissima.—Large trusses of pure white flowers; very beautiful. Pkt. 10c.

Defiance.—True scarlet; extra fine. Pkt. 10c.

Yellow.—A splendid novelty which it will pay every flower lover to try. Pkt. 10c.



Extra Choice Mixed.—From the finest German collection of named sorts. Pkt. 10c.

Fine Mixed.—Contains a nice variety. Pkt. 5c.



Hybrida Erecta Compacta.—A new and fine strain. The plants spread so as to form bushes of about two feet in diameter, throwing up in a singular compact manner, on stiff and erect stems, a great number of flowers, which are elegantly carried above the dark green foliage. The individual flowers are large and well formed; the mixture contains a great variety of colors. Pkt. 15c.

VINCA.—Seed should be started in the house and plants set out the first of June. They make very handsome border plants, giving a mass of bloom through the summer and fall, when they may be potted for the winter flowering in doors. Mixed varieties. Pkt. 8c.

VIOLA Odorata.—The well known Sweet Violet. All colors, mixed. Seeds start very slowly. Pkt. 10c.

WAHLENBERGIA—Grandiflora, Mixed.—No artist can do justice to the wonderful beauty of this flower, which attracts much attention on our seed farm. It is easily grown and is the flower for everybody, in city and country. It is a perennial plant, blooming first year from seed, which should be sown early in the open ground. They bloom very profusely and continuously all summer, if flowers are removed as soon as they begin to fade. The flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of light blue, lavender and white. Plants increase in size from year to year, and are sure to please. Our seed is saved from the best double flowers. Pkt. 10c.



WALLFLOWER, Single Mixed.—Greatly prized for their exquisite fragrance. They grow in long brilliantly colored spikes of flowers. There are many varieties. Plants removed to roots in autumn will produce an abund-

ance of delightfully fragrant flowers. Pkt. 5c.

Double Varieties Mixed. Pkt. 12c.



WHITLAVIA.—Delicate and pretty but perfectly hardy plants, with drooping clusters of bell shaped flowers; they thrive in cool, moist situations; free bloomers, and for partially shaded places are very desirable. **Grandiflora.**—Mixed colors. Pkt. 5c.



WISTARIA.—One of the most popular, hardy vines climbing to a height of fifty feet or more. Perennial easily grown from seed. Pkt. 10c.

WILD CUCUMBER.—See Novelties. Pkt. 10c.

XERANTHEMUM.—Free-flowering easily grown, making a handsome bed.

Double White.—Pkt. 5c.

All Kinds Mixed.—Pkt. 5c.

ZINNIA.—Strong growing, hardy and elegant plants, rivaling the Dahlia in size and doubleness, while the colors are bright and varied, ranging from pure white to deep, purplish crimson, splendid for hedges, beds or borders.



New Zebra.—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome; all colors mixed. Pkt. 10c.

Finest Mixed Double.—Tall sorts. Pkt. 5c.

Finest Mixed Double Dwarf.—Pkt. 5c.

Ornamental Grasses.

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

AGROSTIS, Nebulosa.—Delicate and elegant. Pkt. 5c.

Pulchella.—Very graceful. Pkt. 5c.

BRIZA, Maxima.—(Quaking Grass.)—Pkt. 3c.

Gracilis.—Smaller than above; very graceful. Pkt. 5c.

BROMUS, Brizaformis.—An elegant grass. Pkt. 3c.

COIX.—(Job's Tears.)—Fine for massing. Pkt. 5c.

ERAGROSTIS, Elegans.—(Love Grass.)—Pkt. 3c.

ERIANTHUS, Ravenæ.—Similar to Pampas Grass and perfectly hardy. Pkt. 5c.

EULALIA, Japonica.—An extra fine, tall growing Japanese grass; very fine for groups. Pkt. 8c.



GYNERIUM, Argentæum.—(Pampas Grass.)—A magnificent grass with graceful plumes 20 to 36 inches long. Blooms second year. Roots must be kept from frost. Pkt. 10c.

HORDIUM, Jabatum.—(Squirrel's Tail.)—Pkt. 5c.

LAGURUS, Ovatus.—(Hare's Tail.)—Pkt. 5c.

STIPA, Pennata.—(Feather Grass.)—Very graceful and elegant. Pkt. 8c.

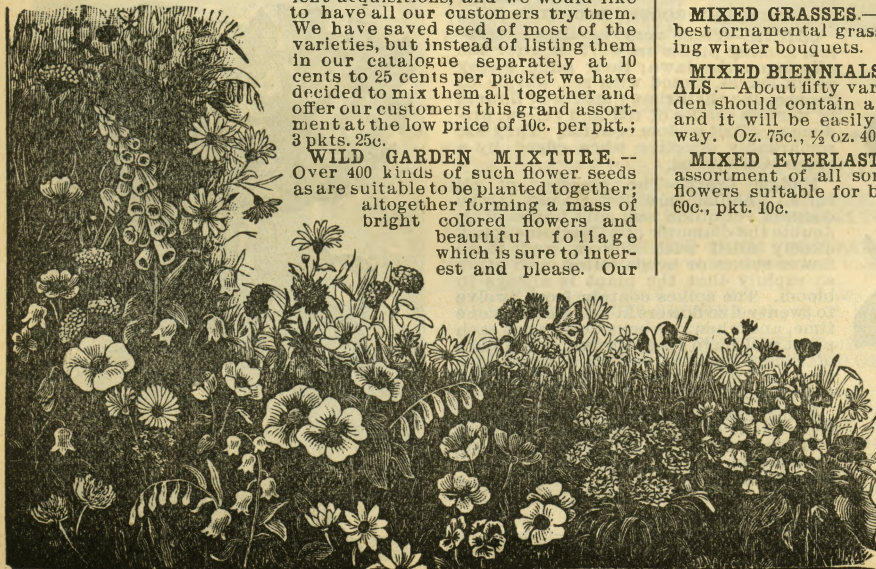
ZEA, Japonica.—(Striped Japanese Maize.)—Pkt. 5c.

MIXED GRASSES.—A mixture of the above ornamental grasses suitable to grow in masses; makes a striking as well as useful collection. Pkt. 5c.

MIXED FLOWER SEEDS.

INTERNATIONAL NOVELTIES MIXED.—Each year we make a grand test of floral novelties, obtaining seed therefrom from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soil, but by far the larger number are excellent acquisitions, and we would like to have all our customers try them. We have saved seed of most of the varieties, but instead of listing them in our catalogue separately at 10 cents to 25 cents per packet we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c. per pkt.; 3 pkts. 25c.

WILD GARDEN MIXTURE.—Over 400 kinds of such flower seeds as are suitable to be planted together; altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our



cut will give some idea of the possibilities in growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible, and plant in this latitude about the first of May. Oz. 35c., pkt. 5c.

MIXED CLIMBERS.—Contains a mixture of all the climbing plants suitable for growing together. Oz. 30c., pkt. 10c.

MIXED GRASSES.—A mixture of the best ornamental grasses nice for making winter bouquets. Pkt. 5c.

MIXED BIENNIALS AND PERENNIALS.—About fifty varieties. Every garden should contain a good assortment, and it will be easily obtained in this way. Oz. 75c., ½ oz. 40c., pkt. 10c.

MIXED EVERLASTINGS.—A grand assortment of all sorts of everlasting flowers suitable for bouquets, etc. Oz. 60c., pkt. 10c.



MUSA ENSETE.

Musa Ensete.—(BANANA PALM.)

This is 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. Packet of 5 seeds, 20c.

The seeds we got of you last year were very good. We can recommend them highly. John Kiesel, Tiffin, Ohio.

I was very much pleased with your seeds last year. A. Straussmyer, Enyart, Mo.

The seed I bought of you this last spring did splendidly. D. F. Bruner, Toledo, Ia.

FLOWERING AND ORNAMENTAL BULBS.



APIOS TUBEROSA.

ASTILBE, or *Spiræa Japonica*.—A very pretty plant with glossy foliage and delicate feathery trusses of small flowers which are really elegant for cut flowers. Strong plants, each, 15c.; three for 40c.

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 out-rival in colors the most brilliant or dazzling Geranium flowers. We have had many of these flowers grown in an ordinary way that measured four and one-half inches in diameter. They are of the richest colors, embracing every shade of white, rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange, and combine the richest shades. Tuberous Begonias are well adapted to almost any kind of culture. They are excellent plants for house culture, and make splendid beds on the lawn. The bulbs can be taken up and kept in a dry, warm place through winter as easily as a potato.

Extra Choice Single Varieties Mixed.—A grand assortment. Each, 15c.; \$1.50 per doz.; extra large, 25c. each; \$2.25 per doz.

Extra Choice Double Varieties Mixed.—All the best sorts. Each, 25c.; \$2.50 per doz.; extra large, 50c. each; \$4.50 per doz.



NEW CROZY CANNAS.

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

In the following list we have selected the varieties which we believe will give our customers the best satisfaction. The bulbs are large and strong, and will be sent well packed, postpaid on receipt of price, except where noted. Our bulbs are extra nice this year and prices are low. We trust all who have a flower garden will include some of these bulbs in their order.

We claim to be the largest growers of bulbs in the west and we have as choice an assortment as can be found anywhere.

BULBS. Your selection to the amount of \$1.20 at catalogue prices will be sent postpaid for \$1.00, \$2.50 for \$2.00.

AMARYLLIS Formosissima (Jacobean Lily).—Dark velvety crimson. Bulbs may be potted any time in spring. They bloom year after year. Each, 20c.

Atamasco. The flowers are upright with broad petals, either pink or white. Each 10c.

Johnsonii.—Strong, vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white, rendering the flower very attractive. Very fragrant. Each, 50c.

Tretea.—The beautiful Fairy Lily. Each, 10c.

APIOS Tuberosa.—This is one of the grandest and most beautiful climbing vines in cultivation. It grows very quickly, and attains a great height, making, with its dense foliage and beautiful flowers a most attractive screen. It blooms most profusely, bearing lovely clusters of rich, deep purple flowers, possessing a strong delicious violet fragrance. The bulbs are perfectly hardy and need not be taken up over winter. Each, 5c., three for 10c., doz., 30c.



CRINUM KIRKI.—This magnificent bulb frequently attains the size of six to eight inches and produces flowers of the greatest beauty. Its leaves are wavy edged and radiate in the form of a rosette. Usually two flower stalks, each two or more feet tall, and of dark purplish color, are sent up at the same time, each bearing a large umbel, consisting of a dozen or more large, lily-like flowers of the greatest beauty and fragrance. The petals are broad and pure white, with a deep reddish purple stripe down the center of the outside of each, showing through faintly on the inside. A plant which will create a sensation anywhere when in bloom. Fine, extra large bulbs (such as are usually sold at from \$3.00 to \$5.00 each), \$1.00 each; three for \$2.50, postpaid; smaller bulbs, 75c. each.

I received seeds all right; thanks for choice extras. I am always pleased with the Iowa Seed Co.'s seeds. I know they will grow and be what they claim. I have planted them several years.

MRS. KATE LINN,
Shelby, Ia.

Nearly all the seed that I used this year came from you, and I found it pure and true to name, and that is more than I can say of some others.

DAN H. STEWART,
Dowagiac, Mich.

TUBEROUS-ROOTED BEGONIAS.

CANNA.—These very handsome, tropical-looking plants are unrivaled for fine effects on the lawn; their large, glossy green leaves, tinted with red, purple or bronze, and their showy spikes of flowers of various shades of red and yellow, produce an effect seldom equaled. They are remarkably effective when edged by a row of Caladiums.

Madam Crozy.—The grandest of all sorts. The immense flower head, of the deepest vermilion red, gold bordered, is double the diameter of a Gladiolus spike, closely filled with flowers, and these flower spikes or heads follow each other so rapidly that the plant is always in bloom. The spikes contain from twelve to twenty-five flowers in full bloom at one time, and when it is considered that each plant will have from three to six spikes of bloom open at one time, some idea may be had of their exceeding beauty. 40c. each; three for \$1.00.

Other New Cannas.—We have a grand assortment of all the best new varieties of French Cannas, which we can furnish at 50c. each, or four for \$1.00, postpaid. Our assortment contains many of the choicest new varieties, sold at high prices by other dealers.

Mixed Varieties and Colors.—Contains a splendid assortment of the common sorts. Each 10c.; doz. \$1.10.



CRINUM KIRKI.



LITTLE GEM CALLA.

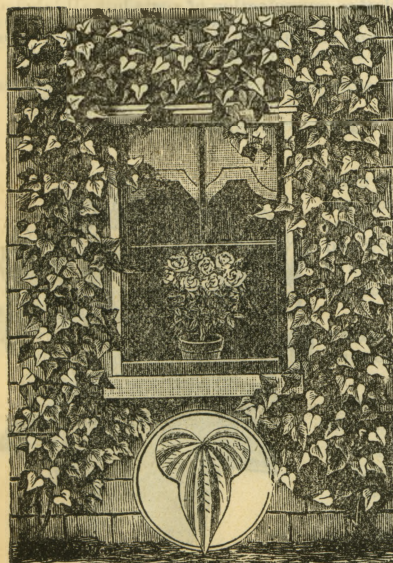
CINNAMON VINE.—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and very appropriately called the "Cinnamon Vine." Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. It is propagated from small bulbets, which will make from ten to twenty feet of vine, and with its beautiful heart-shaped leaves, bright green, peculiar foliage and clusters of delicate white flowers sending forth a delicious cinnamon odor, render it one of the most desirable climbers in cultivation. The accompanying cut well represents its beauties. We can furnish the large tubers by mail, postpaid, for 10c. each, three for 25c.; bulbets, four for 10c. or 25c. per dozen.

CHINESE SACRED LILY.—Very handsome. The flower is white, with a yellow tinted cup; a truss from three to seven, borne on a stem—sometimes single and double on the same stalk. Is very easily grown in water. The bulbs are very large, with from three to six various-sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them until the last of March, when the supply is usually exhausted, and we do not have more until fall. Each, 20c.

I am very well pleased with your seeds. Last year I took first premium at the fair on garden vegetables and also the first premium on flowers.

J. STRAIN.

Mt. Air, Iowa.



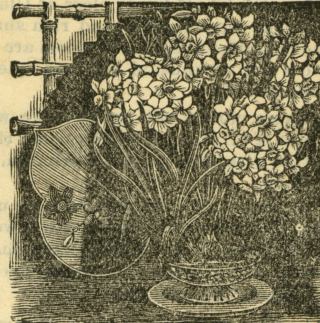
CINNAMON VINE.

LITTLE GEM CALLA.—This beautiful little floral gem originated in the Guernsey Islands and is one of the finest novelties offered in years. It is in appearance a true miniature specimen of the old Calla; rarely ever growing over ten to twelve inches high and commences to bloom when only six to eight inches. It blooms very much more freely than the old Calla, in fact continues to flower nearly the whole year. A correspondent from California writes: "On my grounds, where it has been growing for the past two years, in rich, moist ground, where the common Calla grows to the height of three feet, the Little Gem has never attained a greater height than ten to fifteen inches and is almost constantly in bloom." 30c. each, three for 75c.

SPOTTED CALLA.—The leaves of this beautiful Calla are deep green, with numerous white spots, which give the plant a magnificent appearance. They grow freely in any soil. Can be planted out in the spring like a Gladiolus, and blooms well during the summer. The flowers are pure white with a black center, and are very beautiful. See accompanying illustration. Each, 15c.; three for 40c.

BLACKBERRY LILY (Pardanthus)—A flag-like lily blooming in July and August, is quite curious and handsome. 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. If plucked when they turn black they retain their glossy color and appearance all winter and are very nice for winter bouquets. Each 15c.; 3 for 35c.

CALADIUM, Esculentum (Elephant's Ears)—A splendid tropical plant growing four or five feet, with immense leaves beautifully veined and variegated with different shades of green. Very showy, leaves frequently growing three feet in length. Does well in any good garden soil, is of easy culture, roots can be stored in cellar in the fall and will keep growing larger and more showy each year. Medium sized bulbs, 10c.; 3 for 25c.; very large, 30c.; 3 for 75c.



CHINESE SACRED LILY.

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.

COMPLETE TEXT BOOK ON SILK CULTURE.—Price 10c.

HENDERSON'S PRACTICAL FLORICULTURE.—New and enlarged edition. Price, \$1.50.

ONIONS: HOW TO RAISE THEM PROFITABLY.—Being the practical details by seventeen practical onion growers. Price, 20c.

CELERY.—By G. Bochove & Bro. Price, 50c.

PRACTICAL FRUIT GROWER.—By S. T. Maynard; 124 pages, fully illustrated. Price, 25c.

ITZ'S SWEET POTATO CULTURE.—Cloth. Price, 60c.

BRILL'S FARM GARDENING AND SEED GROWING.—By Francis Brill. Price, \$1.00.

FULLER'S GRAPE CULTURIST.—Best work on the culture of the hardy grapes. By A. S. Fuller. Price, \$1.50.

E. P. ROE'S PLAY AND PROFIT IN MY GARDEN.—The author shows how he evoked a profit of \$1,000.00 while carrying on pastoral and literary labor. Price, \$1.50.

FULLER'S SMALL FRUIT CULTURIST.—Price, \$1.50.

THE A B C OF POTATO CULTURE.—By T. B. Terry. Revised. Price, 40c.

CANNING AND PRESERVING.—By Mrs. S. T. Rorer. Price, 40c.



SPOTTED CALLA.

KIND WORDS.

We never have been disappointed in seeds bought of you; have always given satisfaction.

THOS. E. MOORE,
Onawa, Ia.

My spotted calla lily is the finest I have ever seen. It stands three feet high.

MYRTIE JONES,
Dana, Ia.

Your seeds have always been good and true to name.

JNO. BOWERS,
Sigourney, Ia.

The seeds bought of you last year were the best I ever purchased anywhere.

A. S. RIGGS,
Eddyville, Ia.

I bought seeds of you last year and was much pleased.

F. L. CROSS,
Geneva, Neb.

I have ordered seeds from you several times and they always came to me as ordered and are satisfactory.

MRS. S. B. GIBSON,
Algona, Ia.

We are much pleased with your seeds; all grew and did well.

G. B. HYDE,
Centralia, Wis.

The seeds I obtained of you last year gave good satisfaction.

MRS. O. C. HIGBEE,
Burdett, Kas.



CALADIUM.

GLADIOLUS.



LEMOINE 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 all flowers. Our bulbs will produce immense spikes of bloom. Gladiolus are of very easy culture, and to have a constant succession of flowers the bulbs should be planted at intervals from the middle of April until the first of July. We have greatly reduced our price this year, to induce all to try our superb varieties.

ROYAL QUEEN—We do not hesitate to call this by far the finest and largest flowering variety of Gladiolus ever introduced. The bulb, or corm, is usually very large, producing a strong, stiff flower stalk about three feet high. 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, shading to a rosy purple, most beautifully blotched and marbled, and of a delicate velvety texture. It is not affected by the heat and blooms freely. The flowers measure four inches in diameter when in cup form, or six inches spread and are held upright on the spike. If you want something extra fine don't fail to try the Royal Queen. Each 25c; 3 for 65c.

Africain—Darkest crimson black, with pure white blotch in the throat. The darkest and one of the finest colors; large flower and spike. Each, 15c; 3 for 35c.

Arsine—Fine satiny rose with bright carmine. Each, 10c; 3 for 25c.

Brenchleyensis—Deep vermilion scarlet. Each, 5c; 3 for 10c.

Ceres—Large, strong spikes of bloom well laden with flowers of a beautiful blush white, marbled and striped with rose and carmine; one of the handsomest varieties grown. Each, 5c; 3 for 12c.

Eugene Scribe—Light pink, glazed with carmine; flowers very large and perfect. This is one of the most beautiful of the Gladioli, and cannot be praised too highly; all should try it. Each, 10c; 3 for 20c.

Isaac Buchanan—Best of yellow varieties. Each, 10c; 3 for 20c.

Ophir—Dark yellow, mottled with purple. Each, 5c; 3 for 12c.

Martha Washington—Light yellow, lower petals slightly tinged with rose; large flowers and fine spikes. Each, 10c; 3 for 25c.

Norma—The best white variety; large straight nice spikes, filled with large open flowers. Each, 10c; 3 for 25c.

Princess of Wales—White, blazed with carmine and rose, stained with deep carmine. Each, 10c; 3 for 25c.

Salmon Pink—A handsome new variety of pure salmon pink color. Attractive. Each, 10c; 3 for 25c.

Lemoine's Hybrids—A new class of Gladioli, and for vivid and rich orchid-like coloring, this beautiful, half hardy class of Gladioli has no equal. Embellished with the most intense and rich shades, they are truly wonderful. The magnificent spikes of bloom are very long, and the individual flowers are of unusual size and splendid form. Mixed varieties, each, 5c; doz, 50c.

Lemoini—Fine, good sized flowers, closely set on the spike, which is about one foot long; upper petals of a creamy white color, tinted salmon red, the lower ones spotted with deep purplish crimson, bordered with bright yellow. Each, 5c.

Marie Lemoine—Long spike of fine, well expanded flowers; upper divisions of a pale creamy color, flushed salmon lilac, the lower divisions spotted purplish violet, bordered deep yellow. Each, 5c.

Grace—A beautiful new variety of pure, clear salmon color with very large bright violet center. Each, 10c; 3 for 25c.

Meyerbeer—Rose scarlet, amaranth red blotch. Each, 10c; 3 for 25c.

Carrie—Another new variety which originated on our grounds and has never before been offered. A good sized spike and flower and the nearest purple known in Gladiolus. Each, 10c; 3 for 25c.

Childsi—An entirely new class in Gladiolus and most decidedly different from all others. They comprise a large variety of colors, markings and blendings, some of them being very handsomely variegated. They are somewhat larger than the Lemoine and more open. Should be in every collection. Each, 15c.

Choicest Mixture—Made up mainly from best named varieties. Per doz, 75c; each, 8c.

Fine Mixed—Contains a nice assortment. Per doz, 35c; each 4c.

Choice Yellow Varieties Mixed—Per doz, 60c; each, 6c.

Light and White Varieties Mixed—Per doz, 60c; each, 6c.

Red Varieties Mixed—Per doz, 40c; each, 5c.

Pink Striped and Variegated Varieties—Per doz, 60c; each, 6c.

Seedlings—A splendid assortment grown from the best hybrid mixed seed. There are sure to be a number of choice new varieties among these. Per hundred, by express, \$3.00; each, 5c; per doz, 50c.

COLLECTION OF GLADIOLI.

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 and carefully hybridized so as to produce new varieties; will bloom second year—all for 25 cents, postpaid.

The Gladiolus bulbs bought of you last year produced beautiful flowers. Flower and vegetable seeds together with the cherry and pear trees did well.

My orders have been received in excellent condition and everything is doing nicely.

MRS. W. E. SPICER, Harvard, Neb.



FREESIA.

FREESIA, Refracta Alba—Small bulbs bearing peculiar clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. It grows well and blooms freely in an ordinary sitting room if placed near a window and not kept too hot. It appears to best advantage when four or five bulbs are set in a six-inch pot in light rich soil. 3c each, 25c per doz.

DIELETRA—(Bleeding Heart)—Well known, hardy and pretty spring bloomers with graceful drooping sprays of flowers. Strong plants. Each, 20c; 3 for 50c.

CYCLAMEN GIGANTEUM—One of the finest plants in cultivation for winter blooming. Young bulbs, if well grown, will sometimes have as many as 100 flowers open or ready to open at one time. The colors vary from the purest white to the brightest crimson and purple, some of the flowers being beautifully spotted; foliage, charmingly variegated green and gray, the under part of the leaves being bright red. Easily grown and will bloom three or four months in succession during the duldest part of the year. Each, 25c.



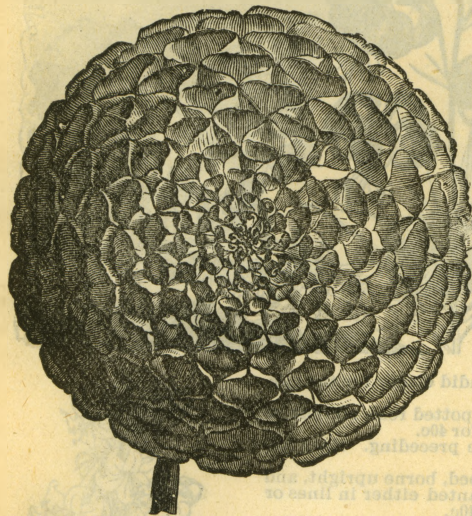
CYCLAMEN.

DAHLIAS.

When well grown the Dahlia is one of the most handsome flowers in the whole list, and especially those of the newer varieties, such as we offer. They are of sturdy growth and covered with hundreds of flowers. The secret of success in growing them lies in having a good, deep, mellow soil, deeply spaded and thoroughly enriched with well-rotted manure. During hot, dry weather we always give them an abundance of water, on the plant as well as at the roots. Sprinkling the foliage daily tends to a vigorous, healthy growth. Always put a strong stake by each plant and tie the plant. They well repay a little care and each plant will be a specimen to be proud of. Don't fail to try a few. There is such an endless variety that we think it best to describe only a few sorts. Our mixture contains

about 100 choice varieties. We have a large collection of these exceedingly showy and grand fall flowers, and can furnish almost any color desired. They comprise all the most gorgeous shades imaginable. At prices named we send strong, dry roots, as we do not think the young pot plants at all desirable for sending by mail, though they can be grown at one-fourth the cost.

Yellow Beauty—A clear double yellow flower of beautiful shape and is greatly admired on our grounds. Each, 25c; per doz. \$2.25.



DOUBLE DAHLIA.

Double Mixed Varieties—Contains a good proportion of the best scarlet, yellow and white varieties, besides the many other shades which are most popular. Each, 15c; doz. \$1.50.

Fancy Double Mixed—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each, 25c; doz. \$2.25.

White Dove—Flowers are extra fine, double, pure white, petals beautifully toothed, stems very long; height 3½ feet. The cut-flowers of this variety are more sought for by florists than any other, and it is the best of all the whites. Each 30c; doz. \$3.00.

Crimson King—A very handsome, rich dark crimson, very double. Everyone should have one or more of these. Each, 20c; doz. \$2.00.

Scarlet—A mixture of the best double scarlet varieties. Each, 20c; doz. \$2.00.

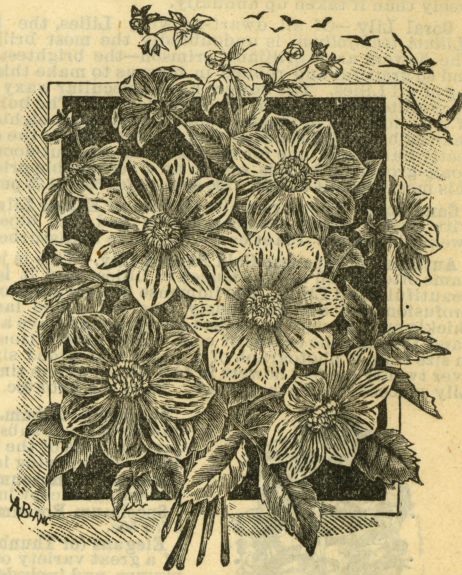
White—A mixture of the best double white varieties. Each, 20c; doz. \$2.00.

Pink—A mixture of the best double pink and rose color sorts. Each, 20c; doz. \$2.00.

Constance—The best pure white double Cactus Dahlia. Of elegant shape, and one of the finest blooming sorts. Each, 25c; doz. \$2.50.

Juarez—A grand and distinct variety of the Cactus Dahlia. The large flowers are of a rich glowing crimson-scarlet color. Each, 25c; doz. \$2.25.

Mixed Cactus—A good assortment of colors of this popular class. Each, 20c; doz. \$2.00.



SINGLE DAHLIA.

Fancy Single Mixed—The single dahlias are rapidly growing in favor, on account of their freedom of bloom and handsome colors and markings. Vastly different from the old single sorts; nice for table or corsage bouquets. Each, 15c; doz. \$1.50.

IRIS (Fleur-de-Lis.)

One of the most satisfactory of flowers for garden culture.

Kaempferi—The newer varieties of this King of Iris, recently introduced from Japan, are marvels of beauty and stateliness. Think of a plant sending up to the height of three feet, a dozen flower spikes, each spike bearing from two to four enormous blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings and combinations. Think of a bed of all colors, white, indigo, violet, lavender, mauve, sky blue, royal purple, bluish, yellow, etc. Your imagination can conceive of nothing grander, and when you see them you will realize that they are infinitely more grand and beautiful than your imagination could portray. Such are these new Iris Kaempferi, the king of hardy perennial plants. Once planted in your garden they are a joy for a life-time without further care, blooming profusely in June and July, during which time they are the greatest attraction your garden or lawn can contain. Either double or single, mixed. Each, 15c, 2 for 25c, \$1.25 per doz.

German—This variety is the true "Fleur-de-Lis," the national flower of France. They are perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water, or if planted in moist situations, or on the banks of ponds, etc. Plants well established produce from 50 to 100 spikes of bloom, deliciously fragrant and fine for cutting. In beauty the flowers rival the finest Orchids. Colors ranging through richest yellows, intense purples, delicate blues, soft mauves, beautiful claret reds, whites, primroses, and bronzes of every imaginable shade. Mixed colors. Each, 10c; 3 for 25c.

Fumila—Dwarf, early flowering, light blue, purple and yellow mixed. Splendid for edgings. 30c per doz. \$2.00 per 100.

Siberica—A lovely Iris, producing tall spikes of elegant bloom early in the spring. There are two varieties, one pure white and the other deep blue, making a fine contrast. Each, 10c; 3 for 25c.

Mixed Varieties—A splendid assortment of the various varieties. Each, 10c; per doz. \$1.00.



HYACINTHUS CANDICANS.

HYACINTHUS CANDICANS.

A very striking and beautiful plant. It is a strong grower and quite hardy; shoots upward a stem three or four feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Strong bulbs, giving two or more spikes; the num-

ber of flowers varies from twenty to sixty each. The appearance is like Giant Snowdrops. It is very suitable for cemetery decorations. It is a great favorite in England, where they plant it in groups of three to five among Gladioli, Lilies, or other tall plants, with fine effect. Each, 5c; 3 for 12c.



IRIS KAEMPFERI.

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 stand prominently out from all other hardy plants. They thrive best in a dry, rich soil, where water will not stand in winter. After planting they require very little care, and should not be disturbed for several years as established plants bloom more freely than if taken up annually.

Coral Lily.—Of all dwarf-growing Lilies, the Siberian Coral Lily (*Lilium tenuifolium*) is undoubtedly the most brilliant and beautiful. The flowers are a brilliant crimson—the brightest shade imaginable—and so graceful and refined in form as to make this the most captivating of all Lilies. The flowers have a peculiar waxy or coral like appearance quite distinct from all other flowers. The bulbs are about the size of a walnut and produce slender stems about eighteen inches in height, bearing beautiful heads of flowers as shown in the engraving. It is perfectly hardy and fine for clumps or masses out-doors. We can offer fine home-grown bulbs this season at a reasonable price. All should have this most elegant flower. 20c each, 3 for 50c, \$1.75 per doz.

Candidum.—The pure white Garden or Easter Lily; flowers snow white with heavy yellow stamens, hardy and free blooming, bearing five to twenty blossoms. Plant early and leave undisturbed. Each 10c, 3 for 25c.

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 produced in the greatest profusion and are deliciously fragrant. The large white petals are thickly spotted with chocolate-crimson, and have a bright golden yellow band through the center of each. The illustration herewith is reduced in size from a photograph of a plant that stood six feet high, and had over twenty perfect flowers in full bloom at one time. This magnificent Lily succeeds well everywhere. Each 25c, 3 for 60c.

Speciosum Album.—Large, pure white flowers of great substance, beautifully recurved. One of the finest Lilies in cultivation, and splendid either for the garden or for growing in pots. Each 20c, 3 for 50c.

Speciosum Roseum.—Pure white ground, stained and spotted rose, similar to preceding, except in color; very beautiful. Each 15c, 3 for 40c.

Speciosum Roseum Gigantum.—A larger variety of the preceding. Each 20c, 3 for 50c.

Elegans (or Thunbergianum).—Early; flowers cup-shaped, borne upright, and of a great variety of colors. They are very effective planted either in lines or clumps, and include many showy sorts. Each 15c, 3 for 40c.

Harrisii (The Bermuda Easter Lily).—Immense, pure white trumpets with a very delicate pervading fragrance; remarkable for its earliness and extreme profusion of bloom. They are the finest Lilies for house culture and are largely in use for winter forcing. Each 20c, 3 for 50c.

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, to which it imparts a rich and brilliant color. This is manufactured especially for us and we believe it is the best fertilizer made for house plants. If you grow any plants it will pay you to try it. Remember that our Perfect Plant Food is not simply a stimulant, but is a true plant food, which invigorates your plants and makes them bloom. It also makes the color of both foliage and flowers much richer and brighter. Per lb. pkg. 25c, postpaid for 40c; ½ lb. pkg. 15c, postpaid for 25c.



AURATUM LILY.

LEMON LILY.

Novelty 1893. One of the handsomest flowers for garden culture and as we have never seen it listed in any seed or bulb catalogue we therefore take pleasure in offering it as a novelty. It is not a true lily as the bulb is of different shape, but the flower is very much like the *Lilium Speciosum* in form and about three inches in diameter. The color is entirely different from all other sorts being a clear lemon yellow of very bright, pleasing appearance. They have also a most delightful lemon fragrance. There seems to be almost no limit to the amount of bloom produced, each flower stem bearing 7 to 20 flowers. It is sure to bloom the first season and is the flower for everyone. Each 25c, 3 for 60c.



LEMON LILY.



LILY OF THE VALLEY.



LILIIUM HARRISII.

Lily of the Valley.

Well known and universally admired spring flowering plants, equally well adapted to winter flowering, in the parlor or conservatory. The flowers are bell-shaped, freely produced and powerfully fragrant. To grow them in the open ground, select a partly shaded situation. They are perfectly hardy and are not injured by frost. Each 6c, 3 for 15c, doz. 50c.

The bulbs ordered of you are fine and growing splendidly. Mrs. Fred Berger, Burton View, Ill.

The seeds and bulbs I ordered of you this spring arrived in good time and were fine. Anna Theumssen, Ed-dyville, Ia.



TUBEROZE-Excelsior Pearl.—A greatly improved variety, characterized by its short, robust stem and long spike filled with beautiful, large, perfectly double flowers of most delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like pure white, and are unsurpassed for button-hole bouquets. Don't fail to include a few in your order. Choice bulbs, postpaid, each, 5c., doz. 50c.

ALBINO TUBEROZE.—This splendid novelty which we now offer for the first time we believe will prove quite popular. It is a single pure white variety, well shown by our illustration, and the flowers are very fragrant. The spike is very large and evenly filled; flowers 30 days earlier than the old single variety, throwing from two to five flower stems from a single bulb, and these again, are often branched, but its great merit above all other Tuberozes is that it is entirely free from the brown tint common to the old sort on the back of the petals. The tube and expanded sepals being of the purest waxy white, making it one of the most valuable plants ever introduced for cut flowers. Each, 15c., 3 for 35c., \$1.25 per doz.

OXALIS.—There are many varieties of this charming little plant which are used both for hanging baskets and out door bedding.

Double Yellow.—This handsome new variety is well shown in our engraving and makes a most attractive plant for hanging baskets, vases, etc. Bulbs are very small and several should be planted together and will then make a grand showing. Each 8c., 75c. per doz.

Deipii Alba.—Nothing so valuable for edging the borders of walks or flower beds as the beautiful summer Oxalis. Bulbs, when planted three or four together, make a most attractive plant for hanging baskets, vases, etc. Bulbs are very small and several should be planted together and will then make a grand showing. Each 8c., 75c. per doz.

inches apart, produce an unbroken row of elegant foliage and pure white flowers, and as they bloom very quickly after planting, they furnish a neat and attractive border the whole season. Per doz. 10c., 100 for 40c., postpaid.

Deipii Rosea.—Somewhat larger flowers and foliage than above. Leaves greatly resemble four leaved clover. Per doz. 10c., 100 for 50c.

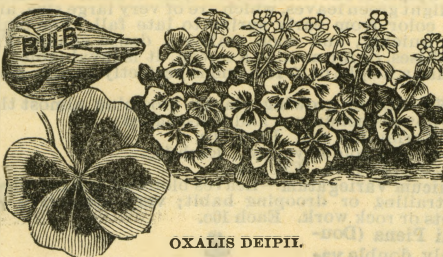
Lasiandria.—Leaves more finely cut than Deipii, and flowers rosy pink. Per doz. 10c., 100 for 60c.

MADERIA, or Mignonette Vine.—Ornamental climber of very rapid growth; thick, light green glossy leaves. Each 3c., doz. 30c., 100 by express \$1.50.

ZEPHYRANTHES.—Popularly known as "Zephyr Flowers," and "Flowers of the West Wind." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in May, flowering with great profusion during the summer. They are also most suitable for pot culture. Six to twelve bulbs clustered in a six inch pot in the autumn will give a fine display of bloom during the winter; white and pink. Each 10c., 3 for 25c.

SPIDER LILY.—That this fine Southern bulb has not become more popular before is only due to its former high price. Now that it can be obtained so cheaply, thousands are being sold. Strong bulbs, such as we offer, will send up many spikes, crowded with dozens of the most fragrant white flowers imaginable, which will expand daily for many weeks. A single spike cut off and placed in water when the first flowers begin to open will keep on blooming for two weeks and often longer, filling a room with their delightful fragrance. In mild localities the bulb is hardy. Each 20c., 3 for 50c.

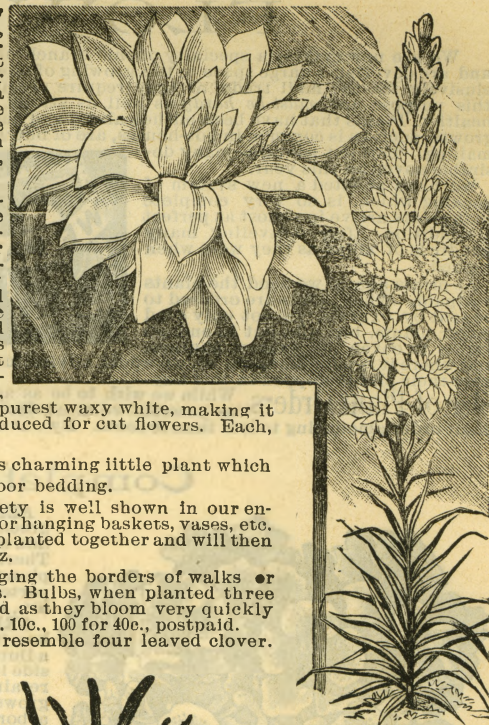
PEONIES—These are very beautiful, showy and easily cultivated plants, blooming from the beginning of May to the end of July. They should have a place in every garden. A selection will give a continuous bloom for three months. We offer the best sorts, varying from pure white, straw color, salmon, flesh color and blush to lilac and deep rose. Each 30c.; \$2.50 per 10.



OXALIS DEIPII.



ZEPHYRANTHES.



PEARL TUBEROZE.

YUCCA FILAMENTOSA, Adams Needle.—A tropical looking plant, with long narrow leaves that remain green the entire year. This beautiful and interesting plant should be in every collection. So hardy that it is almost an evergreen; it grows in clumps and throws up a flower stalk from three to four feet in height, from which hang from one to two hundred creamy white bell shaped flowers. It remains in bloom a long time. Strong 2 year plants. Each 25c., 3 for 65c. One year plants, each 15c.

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, which are grown by one of the best bulb growers in Holland, arrive in this country about September 15, and we usually have a good assortment of them for about two months. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here, but you should send for our fall catalogue, which contains a full descriptive list.

HYACINTHS.—Either double or single mixed. Each 7c., per doz. 75c.

TULIPS.—Double or single mixed. Each 5c., doz. 45c.

NARCISSUS or DAFFODILS.—Mixed varieties. Each 5c., doz. 50c.

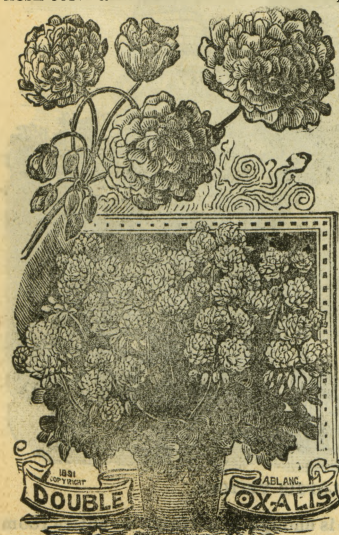
CROCUS.—Mixed colors. Per doz. 10c.

SCILLA SIBERICA.—Each 4c., per doz. 35c.

SNOWDROPS.—Single—extra fine bulbs, 20c. per doz. Double—extra fine bulbs, 30c. per doz.



SPIDER LILY.



FLOWER PLANTS.

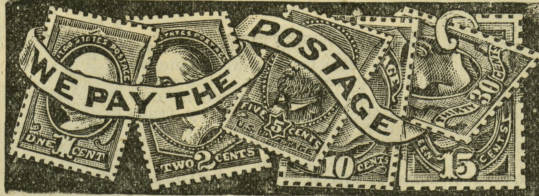
We are now making a specialty of this branch of our business, and are devoting a large space to the growing of flower plants, exclusively for the mail trade, as they require special culture for this purpose and *must be hardy* as well as strong, vigorous and healthy. Plants that have been pushed ahead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

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

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

Size of Plant Orders. While we wish to be as accommodating as possible we must decline to fill any plant order amounting to less than 50 cents. By our careful system

of packing, it is impossible for us to pack an order at a cost of much less than 25 cents, no matter if the order is only for a single plant; consequently it will readily be seen from this that all orders for less than 50 cents would have to be filled at a loss. Plant orders amounting to less than 50 cents are not desired, and will not be filled unless 10 cents extra is sent to cover our extra cost of package and postage.



In club orders it will make no difference as to the size of each one's order, provided they are all sent at one time to one address. Above applies to plant orders only. No matter how small the seed order, if only for a single packet, we are always glad to fill it.

DISCOUNTS. Purchasers sending us \$1.00 may select plants to the amount of \$1.10.

Purchasers sending us \$2.00 may select plants to the amount of \$2.25.

Purchasers sending us \$3.00 may select plants to the amount of \$3.50.

Purchasers sending us \$5.00 may select plants to the amount of \$6.00.

Complete List of Best Plants.



AZALEA.

AZALEA INDICA.—One of the showiest and prettiest of all greenhouse shrubs, flowers are produced in great profusion and are of various colors, from pure white to dark crimson. There are also striped and double varieties. Plants should be plunged in some shady place through the summer. Fine imported plants in best named single and double varieties. Each, 50c. Large plants, \$1.00.

ARISTOLOCHIA.—A vigorous and rapid growing climber, bearing singular brownish colored flowers, resembling in shape a Dutchman's pipe. Its flowers, however, are of little value, beside its fine light green leaves, which are of very large size, and retain their color from early spring to late fall. The plant grows very quickly, and soon makes a dense shade. For arbors or trellises, or for making a screen, it is invaluable. It readily attains a height of 20 feet and is perfectly hardy. Each 25c.

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

Gauntlet.—Vermillion red. Each 10c.

Layellon.—Bright golden yellow. Each 10c.

Snow Ball.—Pure white. Each 10c.

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

Thompsonii Plena (Double).—The only double variety of its class. Flower rich, deep orange, shade and streaked crimson foliage, variegated; free flowering; good border plant. Each 15c.

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



ABUTILON-THOMPSONII PLENA.

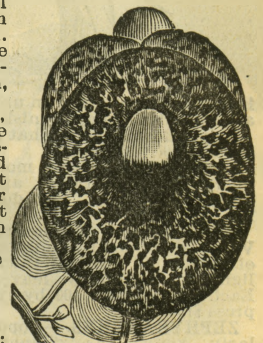
AMPELOPSIS Veitchii (Boston Ivy).—This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping leaves, which form a perfect mass of foliage. The color is a fresh, deep green in summer, changing to the brightest shade of crimson and yellow in autumn. It is quite hardy. Each 25c.

ACHILLEA ALBA, The Pearl.—A new variety originating in France; the flowers are much larger than Achillea Alba Flore Plena, and instead of a trailing habit, the growth is erect, forming a beautiful plant from 18 inches to two feet in height. It is completely covered with pure white flowers from July until frost, is perfectly hardy, and will thrive in any soil or situation. Each 15c.

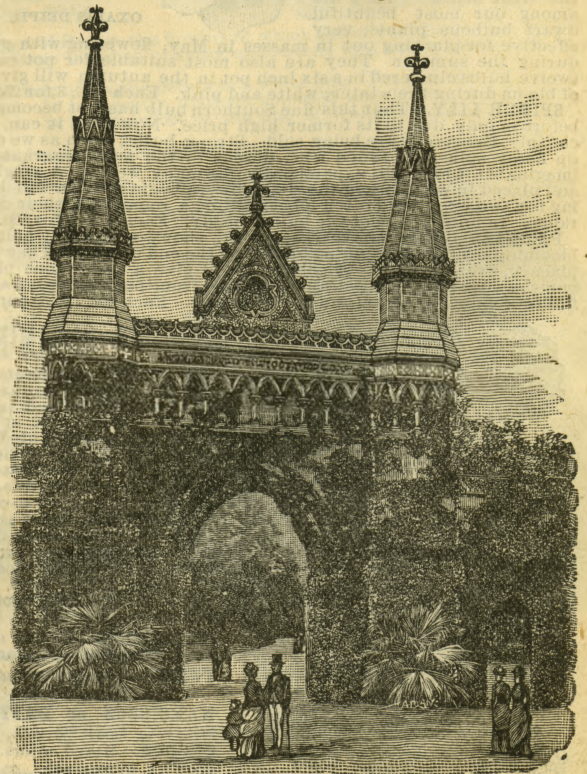
ALTERNANTHERAS.—Very bright colored, dwarf growing foliage plants, introduced from Buenos Ayres in 1732. They are largely used for carpet bedding, borders,

etc. We grow several varieties. Each 10c., per doz. 75c.

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



ARISTOLOCHIA ELEGANS.



AMPELOPSIS VEITCHII.



BEGONIA VERNON.

king in all its individual beauty. Having a good stock,

Metallica.—This elegant variety has very large glossy leaves, shaded with green, crimson and olive, with a peculiar metallic luster over all; flowers a clear pink, shaded white; a grand pot plant. 10c.

Bertha.—A full flowering variety, color bright currant red. A constant bloomer. Every one should have it. 15c.

Semper Florens Gigantea Rosea.—A superb variety, strong upright growth, fine large flowers of clear cardinal red, the bud only exceeded in beauty by the open flower. 25c.

Alba Picta.—The leaves are glossy, green, thickly spotted with silvery white, the spots graduating in size from the center toward the margin. Flowers white. 15c.

Ricinifolia.—The leaf is very large—will average a foot or more in diameter, and is shaped like Ricinus; color a rich green, with reddish markings; surface velvety. In bloom it is magnificent; the panicle, composed of great numbers of individual pink blooms, is lifted high and spray-like, quite clear of the foliage. One of the best for winter bloom, besides being ornamental in foliage. 25c.

Dew Drop.—Flowers white; always in bloom. 15c.

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

The Geraniums I bought have bloomed very well for me all summer. GEORGIA CHRISTY. Shannon City, Iowa.

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. Each, 10c.

ASPARAGUS, Tennisimus.—Beautiful species, of climbing habit; remarkable for the delicate appearance of its foliage. The sprays are beautiful used with cut flowers and in the arrangement of bouquets. Each, 15c.

BEGONIAS.

Each year these are becoming more popular, and we are glad to offer several most desirable new varieties this season, which we are sure our customers will be pleased with.

Tuberous-Rooted.—Don't fail to try them. See description in bulb department. *Single flowered*, 15c each. *Extra large* 25c each. *Double*, 25c each. *Extra large*, 50c each.

Vernon.—This most remarkable novelty is of unusual value for bedding, as it will stand our hot summer sun. Comes into flower in June and continues to make a most striking effect in beds or borders throughout the entire summer. The flowers are of a *brilliant deep red color*, the foliage is very abundant, stiff and glossy, and of a fine green color, spotted and margined with *bronze purple*. Its bright foliage and brilliant flowers are equally as beautiful in the shade as in the sun. It thrives everywhere, and is equally good as a winter bloomer. It makes fine stocky plants which are covered all winter with the beautiful crimson flowers, and so easily cared for every one should have it. Each, 25c.

Louis Erdody.—This is an interesting and curiously handsome new variety which retains the general character of the Rex family as to growth, but is so distinct in form and peculiar leaf formation that it stands out unique and striking we are able to place this novelty within the reach of all. Price, 35c.

Bruantii Alba.—Foliage very bright green, quite large, pure white flowers, borne in great profusion. 15c.

Rex Begonias.—A magnificent class of house plants, remarkable for the variety and beautiful markings of the foliage; well adapted to vases and baskets in shaded situations. A large assortment. 25c.

Thurstoni.—This handsome new Begonia is a cross between the Metallica and Sanguinea, having the bright red foliage and veinings underneath the leaves, and bright metallic green shading to red in the younger growth on top, with the deep veinings of the Metallica, and smooth, glossy leaves and red stems of the Sanguinea. The flowers are a beautiful deep pink in bud, but when expanded become a beautiful shell pink. 35c.

Argentea Guttata.—Our illustration gives but a poor idea of this very desirable and beautiful new plant. It is a cross between Olbia and Alba Picta, having the silvery blotches of Alba Picta and the grace and beauty of growth of Olbia. It has purple bronze leaves, oblong in shape, with silvery markings, and is in every way a most beautiful Begonia. It produces white flowers in bunches on ends of growth stems. It will be splendid for house culture. 15c.



LOUIS ERDODY BEGONIA.

NIGHT-BLOOMING CEREUS.

This gorgeous Cactus, which usually opens at 7 o'clock, evenings, attaining its greatest beauty and perfection at 12, bears abundant blossoms measuring 12 inches in diameter, and are of delicious fragrance. The sort we offer is very free blooming, requiring little care. Color, creamy white. 25c each.

THEY SAY.

The seeds I received of you last spring proved very satisfactory, and my Primrose was beautiful; also the Phenomenal Fuchsia.

ALMIRA PRINDLE,
Stepney Depot, Conn.

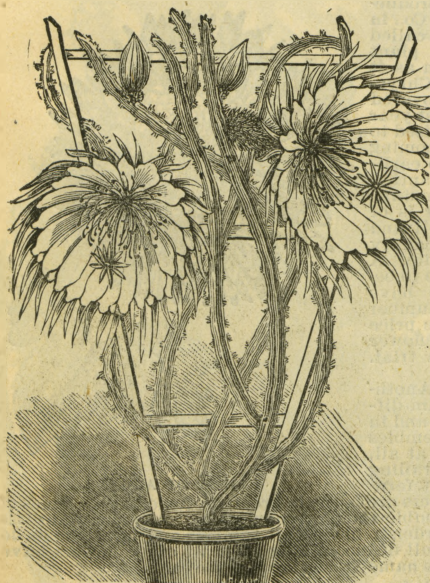
The plants received from you are all very nice and growing finely.

MRS. A. M. FINNELL,
Long Point, Iowa.

The plants you sent me are growing nicely. MRS. SARAH HALL,
Baylis, Ill.

I received my vines and roses in good condition.

MRS. FERD. WOODCOCK,
Niles, Wis.



NIGHT-BLOOMING CEREUS.



ARGENTEA GUTTATA BEGONIA.

CHRYSANTHEMUMS.



NEW IVORY CHRYSANTHEMUM.

Our World's Fair Set of Chrysanthemums.

This set consists of some of the varieties which attracted so much attention at the World's Fair Chrysanthemum Show last fall and we take pleasure in offering them to our customers at a very low price.

Dr. H. D. Hull—Flowers double and of great diameter. Admired for its graceful form and dainty color, which is light cameo pink. Petals very long and broad with their arrangement irregular and graceful. 25c each.

Harry Balsley—A fine variety; color a pearl pink shading to Mermet pink. Flowers double, semi-globular, with erect petals 25c each.

V. H. Hallock—The color is a beautiful clear pink (like the Mermet Rose), the whole flower of one color, but slightly deeper at the center. The petals have a waxy, camellia-like texture, harmonizing with the delicate color. It is one of the most beautiful Chrysanthemums in existence. 25c each.

Niveus—A grand snow white, center irregularly incurving with outer petals reflexing nearly to the stem. 25c each.

Mrs. Craig-Lippencott—Yellow, a very large and magnificent flower, has broad and incurved petals, a good stem and is a strong grower. It is very early flowering. 25c each.

C. B. Gallup—A very double incurved variety with broad petals and high center. Color a deep pink without any purple tints; strong and robust grower with dark green foliage. Flowers large and shapely. 25c each.

Miles A. Wheeler—A fine mid-season incurved Japanese. Of large size, the ground color a beautiful light yellow with outer petals finely striped with pink, giving it a bronze appearance by day and pink by night. 25c each.

Pres. Wm. R. Smith—Pure self pink; very heavy in substance, on stiff stems; the form is very beautiful in all stages; opens with a center incurving in a circle enclosed in broad outer petals; it gradually assumes the true Japanese form, rounded and deep, and this gradually changes to the informal reflexed. 25c each.

Mrs. L. C. Maderia—A perfect compact globe of bright orange color; petals upright, like unopened pointed quills; constitution strong; stiff stems; flowers large and of the heaviest substance. 25c each.

Vivian Morel—Extra large flowers; petals long and loosely arranged, beautiful light shade of pink; one of the best of late introductions. 25c each.

Geo. W. Childs—The first deep red flower to surpass the old Cullingfordii. Mr. John Thorpe who originated it, says: "It will remain the best red for five years to come." Flower large, reflexed, with broad stiff petals; stem strong and erect, heavy glossy foliage growing close up to the flower. Each 25c.

WE WILL send the entire set of eleven to one address for \$1.75, or six of your choice for \$1.00.

The seeds ordered by me were received promptly. We have bought seeds of your firm for some years and have always found them reliable. Thanks for gratis seeds. MRS. A. FAIRLOR Newton, Ia.

I am much pleased with the Iowa seeds. I have tried other seed firms but none suit me so well as the Iowa Seed Co. and none deal so liberal. I was also pleased with your extras given.

ANGIE GOTTFREDSON, Elkhorn, Ia.

These are now, and deservedly the most fashionable of all autumn flowers; their easy culture and freedom from insects and disease commend them to the most inexperienced cultivators, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the fashionable flower of autumn.

Ivory.—A novelty, and the grandest variety in the great Chicago Chrysanthemum Show. On some specimen plants scarcely a leaf can be seen between the abundant flowers. An average shaped plant of this magnificent variety is well shown by our engraving. The flower is a perfect ball of the purest white, very double and of immense size, some being fully six inches in diameter. Very sturdy, symmetrical growth; unequalled as a pot plant. Everyone who loves flowers will have Chrysanthemums, and no one can afford to be without the queen of all sorts, the new Ivory. Each 25 cts.

L. Canning—Large pure white. 10c each.

Marvel—Large pale pink, with a crimson blotch on each flower. 10c each.

Puritan—Large, pure white; one of the best. 10c each.

Waban—Very large, full flower; a beautiful pink. Petals very large, curved and twisted, making a superb flower. 10c each.

Mrs. D. D. Farson—A most meritorious variety; size above the average, solid and compactly formed. Color rich silver pink. 10c each.

H. E. Weidner—Unquestionably the best yellow. It is the finest lemon yellow in cultivation; a fine free grower. 10c each.

Ada Spaulding—Peach pink, incurved, double to the center; broad, wide petals. Unexcelled. 10c each.

J. C. Vaughan—Richest plum crimson without any shade of purple. Flowers reflexed; very large, strong, stiff stems. This is a really beautiful and distinct colored variety. 10c each.

E. Molyneux—Rich deep red, faced bright gold; petals of great size; flowers attains nine to eleven inches in diameter. 10c each.

Lizzie Cartledge—Extra large, full double flower; under row of petals reflexed; color dark rose, reverse silvery white. One of the best novelties of the past year. 10c each.

Lillian B. Bird—Double flowers, very clear flesh pink, tubular petals, quite distinct. 10c each.

Mrs. Jerome Jones—The nearest to the true type of Chrysanthemum yet produced. Very large creamy white, sometimes showing a tinge of pink. The flower is high, rounded and full, with clean, healthy foliage and long, stiff stems. 10c each.

Tuxedo—When flowered in heat is a beautiful amber in color and a bright orange when grown cold. Without doubt the best amber. 10c each.

Cullingfordii—The brightest color of all dark Chrysanthemums, being the richest shade of blood crimson. Can be held in bloom until Christmas, if kept in a cool place. 10c each.

Gloriosum—Light lemon color, with immense flowers, having narrow petals gracefully curved and twisted; quite early and one of the best. 10c each.

President Arthur—Very large; pink. 10c each.

Frank Thompson—Pearly pink, large; a splendid grower. Grand all-round sort. 10c each.

FIRST OF ALL—Introduced by the Iowa Seed Co., in 1894. This may well be called the greatest flower plant novelty of the season as it forms a new class in Chrysanthemums. We discovered the variety in Ohio last year and were much surprised to see such a flower blooming in midsummer, as the earliest of other Chrysanthemums are not in bloom until October. The flower is of medium size, very full and double; color a light canary yellow fading to white. A charming variety sure to become popular. We have propagated a large number of them so as to make price low and induce every flower lover to give them a trial. Each 15c, 4 for 50c.

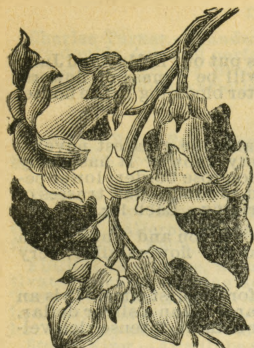
STORM PETREL.—Another new Chrysanthemum different from all others and in fact it scarcely resembles the common varieties at all, as it is of dwarf trailing growth, with finely cut, fern-like foliage. The flowers are borne in great profusion at all times of the year; are large, double and pure snow-white. As a pot plant it is superb, and in the garden it blooms all summer and fall. Frosts do not hurt it and it is full of bloom long after all other flowers have been killed. Hence its name Storm Petrel. 20c each.

I have received my seeds from you and am well pleased.

MRS. W. E. SPICER, Harvard, Neb.



FIRST OF ALL.



CRUEL PLANT.

Makes also a splendid winter bloomer, and have attracted great attention in our greenhouse. Each 25c.

COBOEASCANDENS—A well known summer climber; foliage green, with large purple bell-shaped flowers. Each 25c.

CUPHEA Platycentra—(Cigar Plant)—Fine basket plant with scarlet pendulous flowers; constant bloomer. 10c. each.

CYPERUS—A splendid aquatic plant, throwing up stems surmounted at the top with a whorl of leaves diverging horizontally, giving it a very novel appearance; fine for the center of vases or aquariums. 25c. each.

FARFUGIUM. Grand—Leopard Plant. Each, 20c.

OUR CEMETERY PLANT COLLECTION.

This collection is prepared expressly for planting in the cemetery, and will produce a constant show of white flowers throughout the summer and autumn.

One White Heliotrope, 1 White Ageratum, 1 Double Feverfew, 1 Lily of the Valley, 1 Double White Violet, 1 Forget-Me-Not, 1 White Tea Rose, 1 Double White Chrysanthemum, 1 Double White Geranium, 1 Dbl. White Carnation, 1 Little Pet, 1 Achillea Alba, 1 Sedum Albida, 1 Sweet Alysium, 1 White Verbena. Total, 15 plants, all labeled, for \$1.00.



SWORD FERN.

ing plant; per doz. 75c., each 10c.

CARNATIONS—Fragrant flowers are always sought after, and the rich, spicy odor of the Carnation, positively delicious, combined with varied colors and handsome form, leaves but little to be desired. They are very easily grown, and bloom freely either as bedding plants in summer, or in the greenhouse, or window garden in winter.

Silver Spray—A pure white and beautifully fringed Carnation of robust growth and dwarf habit that will take the first place among whites. The flowers are of great substance, and nearly all long stemmed. Each 15c.

Tidal Wave—Flowers very large and perfect in form; color, bright rosy pink. Changing to a beautiful soft pink with salmon shading when flowers are fully expanded. A very healthy grower and remarkably free bloomer. This we consider one of the best pink varieties, and an excellent variety for pot culture. Each 15c.

Portia—Scarlet. Each 10c.

Anna Webb—Dark crimson. Each 10c.

Golden Gate—A beautiful new golden yellow Carnation, with not a particle of stripe or foreign color; full and double; free, vigorous and healthy grower and continuous bloomer. Each 15c.

CALLA. Ethiopia—(Lily of the Nile)—A fine house plant; flowers large, creamy white and very valuable. Each 10c. Extra large, 25c.

Little Gem—Miniature form of the Calla; very desirable for house culture. 35c. each, 3 for \$1.00.

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

CLEMATIS, Jackmanii—The most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy, and sure to succeed everywhere, but repays good treatment. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined; blooming continually from July until November, and so profusely as to make a perfect screen; sure to attract great attention. Our illustration simply shows the end of a branch. Strong plants, each 75c; large and extra strong, three years old, \$1.00.



COLEUS.

COLEUS—The Coleus is the best and cheapest ornamental leaved plant we have for ornamental bedding; a few dozen of these plants will make a beautiful bed. There is such an endless variety in their colors and markings that, with a little taste in planting varieties, the most gratifying results can be obtained at a trifling cost; 75c. per doz; each 10c.

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 25c.

CYCLAMEN—One of the finest plants in cultivation for winter blooming. A great variety of beautiful colors. Each 25c.

FERNS—These beautiful plants are now very generally cultivated; their great diversity and gracefulness of foliage makes them much valued as plants for vases, baskets or rock work, or as specimens for parlor or conservatory. 15 to 50 cents each.

Sword Ferns—One of the most popular sorts. Splendid for pots, vases or hanging baskets, but especially desirable grown in the wire hanging baskets, in which they thrive well, and make wonderfully ornamental plants. Each 25c.

FEVERFEW, Double White—Popular free blooming plant; per doz. 75c., each 10c.



SILVER SPRAY AND TIDAL WAVE CARNATION.

ORDER EARLY,

And plants will
be sent
when weather
permits.

Be sure to order the
ROSE COLLECTION
illustrated on
Front Cover.



CLEMATIS JACKMANII.

GERANIUMS.

For constancy of bloom the Geranium is unequalled. Small plants put out in May and June will completely fill a bed three or four weeks after planting, and will be a mass of flowers, and continually getting better until autumn. Unsurpassed for winter blooming in the house.

SINGLE FLOWERING.

Souvenir de Mirande.—The finest Geranium of late introduction, and the greatest novelty that has appeared in years. Entirely distinct from any other variety known. It has nicely formed round florets; upper petals cream white, with distinct salmon rose border; lower petals salmon rose, streaked with pure white; very free flowering and produces fine trusses of its magnificent blooms. The large engraving shows the peculiar striping. Each 15c.

New Life.—The flowers are vivid scarlet, irregularly striped with salmon and white like a Carnation, truss good; very free flowering; sports sometimes; no two flowers alike; very attractive and popular. See illustration. Each 10c.

Scarlet Cloth.—A most beautiful new variety which we now offer for the first time. It is an immense flowered single variety, the separate florets of which are larger than a silver dollar. Trusses are large and the plant is almost covered with them. Color a most intense rich velvety scarlet. Each 15c.

Columbia.—A new single scarlet of good habit and a very prolific bloomer; one of the finest for bedding. Each 10c.

Trophee.—Trusses of the largest size; very pretty rosy flesh, tinted at the center with lilac, changing to dark lilac; a novel color. A fine variety all should have. Each 10c.



NEW LIFE.

Katie Schutz.—Delicate pink. Dainty and beautiful. A splendid bloomer. Each 10c.

Queen Ogle.—A most beautiful single variety; the petals are a brilliant deep pink, white at the base; the trusses are very large and perfect, and it is the freest flowering variety of its color; its strong growth and other good points make it invaluable. Each 10c.

DOUBLE FLOWERING.

Bruantii.—The finest double bedding Geranium in cultivation. The leafage is round, nicely zoned, having great texture and substance; the color of the flower is light vermillion-red of a most pleasing shade. The flowers are absolutely perfect shape, trusses exceptionally large and borne in immense spherical balls, often measuring 8 inches in diameter. Each 15c.

S. A. Nutt.—Darkest and richest Geranium grown. It is a very fine dark, deep, rich, velvety-maroon, an excellent bedder, and a perfect pot plant. One that must find its way into every collection. Each 10c.

Mrs. E. G. Hill.—A most distinct and pleasing shade of salmon, with light shading at the center. Trusses are very large and composed of an immense number of florets. The finest salmon-colored Geranium to date. Each 10c.

Blanche Moulas.—A grand bedding variety of much merit. The flowers are large, salmon, beautifully bordered with white. A Geranium of rare beauty. Each 10c.

Gold Finder.—A rich, golden orange shade its large trusses opening freely, the habit being as free and robust as that of any other variety. The yellowest of all Geraniums. Each 10c.

Protee.—An exquisite variety. Flowers very large and freely produced in immense trusses. Color silvery-lilac-white, changing to silvery-pink. Each 10c.

Glorie de France.—A grand variety; flowers large and double; center distinct, dark salmon with large border of rosy white. Each 15c.

SOUVENIR DE MIRANDE.

Golden Dawn.—The color, as the name would indicate, is of a decided golden orange shade; the flowers are of a fine large size and perfect shape. The habit of the plant is all that could be desired. Each 15c.

Harriet Thorpe.—Delicate blush, shaded with pearl pink; trusses large and well shaped; habit perfect. Each 10c.

Henry Cannell.—Intense deep scarlet; one of the best for bedding. Each 10c.

Asa Gray.—Orange salmon, extremely good bloomer. Each 10c.

Mrs. Garfield.—Bright rose pink. Each 10c.

Bishop Wood.—Scarlet, shading to vermillion. Each 10c.

White Swan.—Handsome double, pure white. Each 10c.

Blonde.—Delicate pink, splendid bloomer. Each 10c.



Queen of the West.—Orange scarlet, best bedding variety. Each 10c.

La Grande.—Large scarlet white eye. Each 10c.

Geoffery.—The darkest single scarlet grown, fine. Each 10c.

Master Christine.—Bright, pink, splendid bloomer. Each 10c.

Jealousy.—Large orange yellow. Each 10c.

Cygnets.—The best single white. Each 10c.

Peach Blossom.—The color of a peach blossom exactly. Each 10c.

Apple Blossom.—Rosy salmon, with pink shadings. Each 10c.

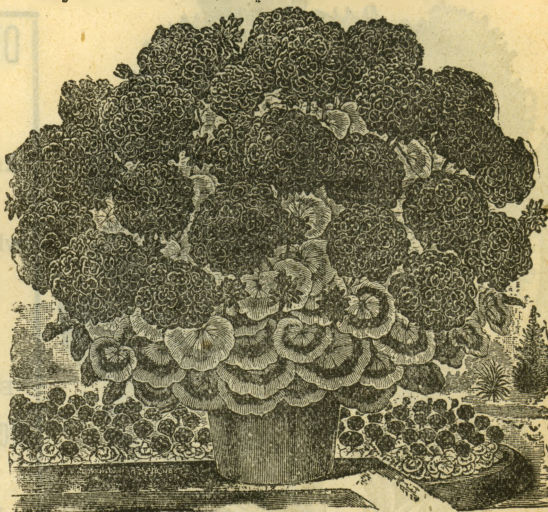
Juliette.—A very distinct new color—pink, shaded lavender; large truss; very free flowering. Each 10c.

Francis Arago.—Flowers finely formed, and produced in the greatest abundance on strong footstalks; very distinct variety; color silvery salmon shaded peach. Each 10 cents.

Any of above sorts \$1.00 per doz.



S. A. NUTT.



BRUANTII.

IVY LEAVED VARIETIES.

Charles Turner.—Handsome of any Ivy Geranium. The flowers are very double, full and perfect in form; color rich deep pink. The plant is a strong, free grower, producing flowers at every joint. Each, 25c.
Ten other choice varieties Each, 10c.

SCENTED VARIETIES.

Nutmeg, Rose, Balm, Peppermint, Mrs. Taylor, Skeleton Leaf and Variegated Rose. Each, 10c.

FANCY LEAVED.

Madame Pollock.—A beautiful fancy foliaged sort. Each, 25c.
Mt. of Snow, Happy Thought, Crystal Palace Gem, Golden Circle, Cloth of Gold, Mad. Salleri, Marshal McMahon and Bismarck, all good variegated foliage sorts. Each, 10c

FUCHSIAS.—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens. They delight in a light, rich soil, and may be grown either as pot plants or in a sheltered border. In either case they should be protected from the hot mid-day sun and from heavy currents of air.

Storm King.—As will be seen by the cut, this grand plant is of the most beautiful weeping habit. The buds for two weeks before they expand are balls of bright, scarlet crimson. The flowers reach an enormous size. The sepals are glowing, scarlet crimson, while the large double corolla is of delicate waxy whiteness, elegantly penciled with deep bright crimson. Each, 15c.

Phenomenal.—The largest Fuchsia that has yet come to our notice; short tube and sepals of a rich reddish crimson color; corolla very full and double, of a beautiful azure violet, flaked with red. It will attract universal attention in any collection. Each, 15c.

Black Prince.—Tube and sepals bright waxy carmine, sepals large and broad, with pale green tips, large, open, pale pink corolla. We have a plant of this variety in our green house which is nine feet high, nearly twenty feet in circumference, and it had over 2,000 blossoms on at one time. They are easily grown in this tree form. Each, 10c.; large plants by express, 25c. to \$1.00 each

Mons. Thibaut.—Dark red; corolla rose vermillion. Single, 10c.

Esmeralda.—Red; corolla very large and double; lilac and rose. Each, 15c.

Avalanche.—Large, double purple, yellow foliage. Each, 10c.

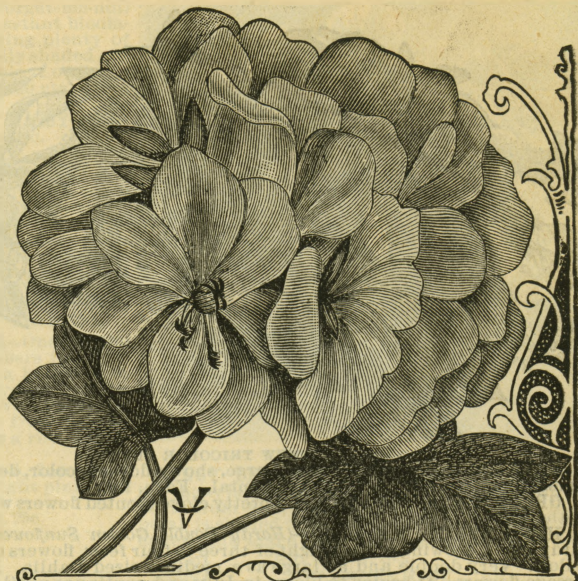
Earl of Beaconsfield.—Three inches long, deep carmine, fine. Each, 10c.

Speciosa.—Sepals bluish, corolla carmine. Each, 10c.

Snow Fairy.—Sepals crimson, double, pure white corolla. Each, 10c.

Meteor.—A trailing variety, beautiful foliage. Each, 10c.

Carl Holt.—White corolla striped crimson. Each, 10c.



IVY GERANIUM, CHARLES TURNER. ½ NATURAL SIZE.



PHENOMENAL.

FUCHSIAS.

A CHARMING COLLECTION.

One plant each of the
above eleven varieties
for

\$1.00.

GLECOMA, Hederacea.—(Variegated Ground Ivy.)—The foliage of this charming novelty is bright green, marked with pure white, and has a refreshing fragrance similar to mint. It grows very rapidly, and is so graceful and beautiful that no plant can equal it for festooning or drooping from hanging basket or vase. It is also useful for planting in the open ground, and will be largely used in cemeteries, as it is entirely hardy, graceful and ornamental, and makes a close, dense mat on the ground. Each, 15c.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants we have ever grown. Instead of growing in soil it floats in the water, which it is enabled to do by means of its curiously inflated leaf stalks, which resemble bladders, or balloons, filled with air. A large mass of feathery blue roots grow downward, their ends entering the soil. It forms a lovely rosette of its curious, shining green leaves, and throws up spikes of the most exquisite flowers imaginable, resembling,

in form, a spike or Hyacinth bloom, but as beautiful as many of the choicest and most costly Orchids. Each flower is as large, or larger than a silver dollar; color, a beautiful, soft, lilac-rose, sparkling as if covered with diamond dust. The upper petal, which is the largest, has a large metallic blue blotch, and in the center of that a small, deep, golden yellow spot. Can be grown in the open air in summer and in the window in winter, in anything which will hold water. The most beautiful effect is produced by using a glass vessel of some sort, with shells and white sand so arranged in the bottom as to conceal a small amount of soil. Each, 25c.



STORM KING FUCHSIAS.



GLECOMA.



NEW TRICOLOR CUPHEA.

GAZANIA or Peacock Flower—Large, showy flowers, color, deep orange, with almost black center. Is very ornamental. Each, 15c.

GRASS PINKS—The hardy and pretty clove-scented flowers which our grandmothers loved. Each, 15c.

HELIANTHUS, Multiflorus—(Hardy Double Golden Sunflower)—A beautiful hardy plant, growing to the height of three to four feet; flowers of a rich golden yellow. Very double and as large as a medium sized Dahlia. Much prized as corsage flowers. It begins to bloom in July and continues until frost. No matter how small a plant is when set out in the spring it will in a short time grow to a large bushy plant, loaded with bloom. Each, 20c.

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

Vareigated—Mottled green, white and pink. 30c.

MAURANDIA—Graceful climbers for window or conservatories, or for open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each, 10c.

HIBISCUS, Sinensis Fulgidus—The flowers are very large size, five inches in diameter, and of an intense carmine scarlet, paler and somewhat rose-tinted toward the base. Each, 15c.

Rubra, fl. pl.—A splendid double variety, having large bright red flowers. Blooms freely. Each, 15c.



HELIOTROPE.



HYDRANGEA PANICULATA GRANDIFLORA.

HYDRANGEA—Well known favorite plant with large heads of flowers; very desirable for bedding.

Hortensis—Bright pink. Each, 15c.

Thomas Hogg—Pure white. Each, 10c.

Paniculata Grandiflora—Tens of thousands of these noble summer and autumn flowering shrubs have been sold the past few years, and the demand is still good. They are absolutely hardy grown in any soil, and bloom the same year they are set out. They flower abundantly, bearing hundreds of immense panicles of bloom, white at first and turning to rose in autumn. To make a fine specimen, the soil should be as carefully prepared as for any fine shrub. An annual shortening of the branches tends to increase the size of the flowers. Each, 25c.

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

Mad. Blonay—The best nearly pure white heliotrope in cultivation. Dwarf; very free bloomer. Each, 10c.

President Garfield—Has fine large trusses of deep purple flowers. Each, 10c.

IVIES, English—No vine excels this. Each, 15c.

German—Grows very fast. Each, 10c.

WAHLENBERGIA—See description on colored plate. Each, 75c.

Double White—Very handsome. Each, 25c.

NEW TRICOLOR CUPHEA—The most profuse flowering and healthy variety we know; planted in the flower bed, open air, hanging basket or vase it will bloom profusely all summer long, after which it can be repotted for winter flowering. It is a thrifty grower and requires no special treatment. The foliage is distinct and handsome; the flowers are rich hued and stand out well from the foliage, having delicate rose-tinted green tubes, the brilliant red petals winging out the tips; more like a bright, flying little creature than a flower, they are borne in profusion and are of lasting quality. We strongly recommend this rare novelty as a choice plant which has certainly come to stay; makes a splendid centre piece for a vase or basket. Fine plants for immediate bloom. Each, 25c.



MANETTA BICOLOR.

Fine plants for immediate bloom.

"LION'S TAIL"—(*Leonotus Leonorus*)—Most valuable plant either for sitting room or the conservatory. The drawing conveys but a meagre idea of it, as the spikes are upward of a foot in length and of a most vivid orange color, which, next to blue, is the rarest color we have among flowers. All lovers of flowers should have one or more of these strangely curious and attractive plants. Each, 15c.

LANTANAS—One of the best summer flowering plants for our climate; equally fine for dry or wet weather, sun or shade. There are few bedding plants that bloom more continuously or afford a greater variety of color, the colors changing in a curious manner from day to day. When grown with a single stem and trained as standards, with fine bushy tops and straight stem, they present an effect that is surpassed by few plants. Ten varieties. Each, 15c.

MANETTA Bicolor—Possesses more real points of merit than any other plant of recent introduction. Its remarkably continuous and profuse blooming qualities, the ease with which it can be grown, its attractive appearance, its adaptability for both pot culture and bedding, will all tend to make it indispensable for bay windows, vases, baskets, etc. It also succeeds well when bedded out, as it grows rapidly and blooms freely all summer. Not being hardy, it should be potted up in the autumn. It is especially adapted to winter blooming. Indeed, we believe it to be a

constant bloomer. Color, vivid crimson-scarlet tipped golden yellow. Each, 15c.



LION'S TAIL.



TRIFOLIATE ORANGE.

TRIFOLIATE ORANGE—A fine variety. This is the most hardy of the orange family, and will stand our Northern climate with little or no protection, and is also desirable for pot culture. In the parks of both New York and Philadelphia it is growing luxuriantly, and blooming and fruiting profusely. It is dwarf, of a low, shrubby growth, with beautiful trifoliate, glossy green leaves, and abundance of large, white, sweet scented blossoms, larger and finer than any other variety of orange blossoms and borne almost continually. The fruit is small, bright orange red in color, having a peculiar, pleasant flavor. The fine appearance of the plant, with its constant habit of blooming and showy fruit, combine to make a plant of peculiar value and beauty. 25c. each.

NASTURTIUM—Darkness—A charming novelty, similar to the common nasturtium in habit, but the flower is as double as a rose, and of a dark mahogany red or black. Very handsome and a constant bloomer, but bears no seed. Each, 25c.

PASSION FLOWER—These beautiful climbers are so varied in the markings and colors of their flowers that it would be useless to attempt to describe them. They are very desirable for the house or conservatory, and succeed well with ordinary treatment.

Cerulea—A rapid climbing Passion Vine, hardy, requiring only slight protection in winter; flowers azure blue, produced freely throughout the summer. Each, 15c.

Constance Elliott—The new hardy white Passion Flower. A splendid climbing plant of great merit; now attracting great attention on account of its great beauty and desirability. Each, 20c.

OXALIS—Fine pot or basket plant. Each, 10c.

OTHONNA—Good basket plants. Each, 10c.



MEXICAN PRIMROSE.

MYOSOTIS—(Forget-me-not)—A charming, constant blooming plant, requiring plenty of water and partially shaded situations; valuable for cut flower purposes. 10 cts. each, \$1.00 per dozen.

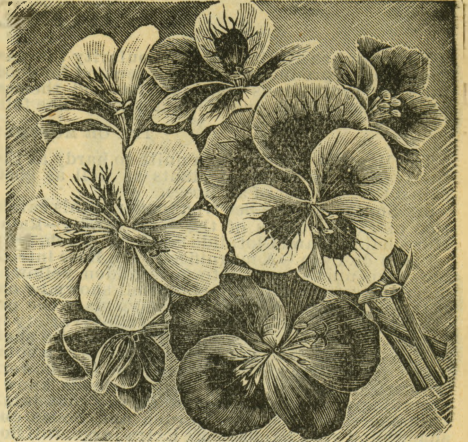
MARGUERITE DAISY—Single White. Each, 10c.

Double Golden—Nothing could be more showy than this beautiful new plant, either as a pot plant or bedded out. It might be called the "Shower of Gold," as it is a perfect mass of rich, golden yellow flowers the whole year round. Well grown plants have as many as one hundred and fifty flowers on them at once. Each, 15c.

MOONFLOWER—One of the handsomest climbers in existence, growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moonlike flowers from five to six inches in diameter. It has also a rich, Jessamine like odor at night. Each 15c.

MOUNTAIN PINK—(Crassulus)—A fine plant for basket or rockeries; flowers bright pink, two inches in diameter. Each, 10c.

OLEANDER—Double pink. Each, 25c. White—Each, 25c.



PANSY PELARGONIUM.

PANSY PELARGONIUM—This variety, though not new, is one of great merit. The flowers are of medium size, and have a white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Each, 25c.

PELARGONIUMS—These are more commonly known as Lady Washington or Pansy Geraniums. The flowers are large, with deep blotches on the upper petals and bright spots on the lower; they are very beautiful and ornamental either as pot plants or in the garden. We have a very large assortment of these at 20c each.

Mrs. Robert Sandiford (New).—This great double white variety is one of the finest novelties of the year. The flower is of large size, well doubled, beautifully ruffled along the edges of the petal and of glistening snow-white color. Its lasting qualities when cut are wonderful. Nothing finer of this class has ever been in this country. Each, 25c.

Madam Thibaut—White, richly blotched and marbled with rose, the upper petals marked with crimson maroon; large white center; immense trusses of large fine flowers with undulated petals. 25c.

PRIMULAS (Chinese Primrose)—A class of plants of great value for the parlor or greenhouse; constantly in bloom. We offer this season a beautiful strain of the single varieties that will surely please. Each, 25c.

Double White—Each, 50c.

PETUNIAS—We have all of the finest double fringed varieties. Each, 10c.

PALMS—Now the most fashionable decorative house and window plants. They require but little care, no more than a geranium, beyond sponging the leaves once a week. Customers are advised to buy the larger plants, the effect is immediate, and if placed in a handsome jardiniere no more beautiful or ornamental plants can be found. In season for shipping all the year around. An elegant present for a plant-loving friend. We have a nice assortment. Small plants, 50c each. Larger, \$3.00 to \$5.00 each.

MEXICAN PRIMROSE—Is a perpetual bloomer. In flower at all times of the year, a good specimen showing always from ten to thirty large saucer-shaped blossoms, 2 to 3 inches across, of several beautiful colors. Each blossom keeps perfect many days before fading, and when it droops others are out to take its place, and this succession of beauty is continued from one year's end to another. The plant is a free grower, succeeding in almost any soil or situation. As a window plant it combines great hardiness and ease of culture with delicate beauty. In the open ground it grows freely and profusely all summer, and, in fact, until winter is upon it. It is a plant whose merits of hardiness, ease of culture, perpetual freedom of bloom and beauty, both in color and habit, will make it popular everywhere. Each, 15c; 4 for 50c.

PANSIES—Those lovely flowers, favorites with everyone, are too well known to need any description. Nothing can be more effective, whether grown in beds, ribbons, groups, or interspersed among other plants in the border. Our plants are strong and well grown from the best seed.

Choice Mixed—Per dozen, 50c.

Iowa Beauty, Iowa Giant, Trimardeau, White—Any separate colors, per dozen, 75c.

A royal assortment of twenty-four best pansy plants for \$1.00.

Surprise Collection

A nice assortment of 15 choice house plants, our selection, but all fine sorts, properly labeled. A splendid collection sure to please everyone, \$1.00.



PANSIES.

ROSES.

No flower has attained such popularity the past few years as the rose. Every year we increase our production, but the demand for good Roses increases equally as fast, especially for those kinds which recommend themselves by vigorous growth, perfect form, profuse bloom, rich and distinct colors. The following are the best varieties:

TEA OR MONTHLY ROSES.

The Monthly roses are not quite so hardy as the Hybrid Perpetual, but bloom more profusely and are good pot plants as well as good bedders. Very fragrant, and might be called the sweetest of all Roses.

Six Superb Roses.—See front cover of this catalogue for colored illustration and description of these queens of the Rose family—Rainbow, Bride, Meteor, La France, Dwarf Marechal Neil and Clothilde Soupert. Each, 20c.; 6 for \$1.00.

Etoile de Lyon.—A magnificent Tea Rose introduced from France; brilliant chrome yellow, deepening at center to pure golden yellow; flowers very large, double and full, and deliciously fragrant. Shape is well shown by our engraving. Everyone will be pleased with this splendid sort, and we have made the price low, only 10c.

Sunset.—This exquisite orange-yellow variety is one of the finest Tea Roses grown. The flowers are large and double. The exquisite shades of coloring found in this variety can only be compared to the gorgeous colors of a summer sunset; hence the name. It is deliciously fragrant, a strong-growing and free-flowering variety. Each, 15c.

American Beauty.—Many of our friends know all about this grand rose, and value it accordingly. To others we would say that it is well known as 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, is a good bushy grower, very hardy and a constant bloomer. Each, 25c.

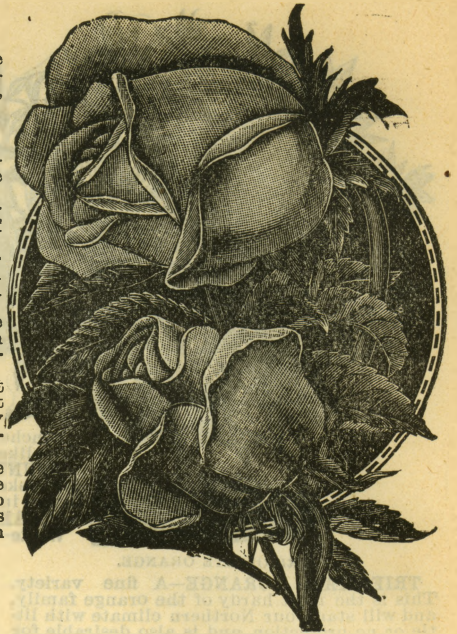
"Duchess of Albany," or "Red La France."—This grand variety is a "sport" from the most popular variety, "La France," and inherits all the grand qualities which have made its parent the favorite it is. To these is added a richness of color very difficult to describe—a shade which our artist describes as "Tyrian Rose," which is very rare. It is this rich tint which has earned for it the popular title of "Red La France." In profusion of bloom it is remarkable, every shoot producing large double flowers of exquisite fragrance and grand form. It may be kept in the open ground all winter if covered with straw or leaves, or it may be potted, and will bloom all winter in a sunny window or greenhouse. Each, 15c.

Madame Welch.—This grand rose remains almost unsurpassed in beauty; the color is a beautiful amber yellow, deepening toward the center to orange coppery yellow, delicately tinged and shaded with ruddy crimson; the flowers are extra large, fine globular form, very double and full, and exceedingly sweet. Each, 10c.

Madame Joseph Schwartz.—A lovely new Tea rose; extra large globular flowers, very full and deliciously sweet; color pure white, elegantly tinged and shaded with pale yellow and rosy blush; an exceedingly beautiful rose, and a constant and profuse bloomer. Each, 10c.

Madame Hoste.—This is an exceedingly beautiful New Ever-blooming Rose, extra large flowers, and superb buds very full and delightfully perfumed; color, soft, canary yellow, deepening at center to pure golden yellow, beautifully flushed with pale amber; edges and reverse of petals rich creamy white; has proved excellent for garden culture, also for pots and blooming under glass. Each, 10c.

Agrippina.—Flery red, good size and form, profuse flowering. Each, 10c.



ETOILE DE LYON.



HERMOSA.

Douglas.—Dark cherry red, rich and velvety; large full and fragrant; a neat compact grower; very desirable for bedding. Each, 10c.

Duchesse de Brabant.—Soft, rosy pink, petals edged with silver; very sweet; one of the best. Each, 10c.

Queen of Bedders.—This splendid rose originated in England; the plant is a short, upright grower, branching freely, every branch terminated by a cluster of beautiful buds and flowers; the flower is large, full and regular; color, bright and glowing crimson; it blooms constantly from early summer to late autumn. Each, 10c.

Aurora.—Beautiful rosy blush, changing to clear rose; very pretty, fragrant and desirable. Each, 10c.

Hermosa.—Was grown in all Rose gardens thirty years ago, and is equally indispensable to-day. Always in bloom and always beautiful; the flower is finely formed and full, the most pleasing shade of pink, soft but deep; fragrant. Each, 10c.

Papa Contier.—This was the fashionable Tea Rose in New York last winter, and it is certainly a beautiful variety. It produces long pointed buds of a glowing carmine crimson color. Will keep longer after being cut than almost any other Rose. It is a most profuse bloomer, and is adapted for either summer or winter flowering. Each, 10c.

Bon Silene.—Rosy carmine; fine, fragrant. Each, 10c.

Catharine Mermet.—Bright rosy pink; fine, free bloomer. Each, 10c.

Marechal Neil.—Very bright rich golden yellow, very large, full and perfect form; of vigorous climbing growth, and is a free bloomer. This is unquestionably the finest of all Tea Roses; truly magnificent. We have seen greenhouses devoted to a single plant of this variety, from which it was not unusual to cut 500 to 2,000 flowers per day. Each, 15c.

Safrano.—Beautiful saffron colored buds. Each, 10c.

Niphetos.—Pure white. Each, 10c.

Perle des Jardens.—Fine straw yellow, sometimes deep canary yellow; very large, and of most perfect form. Each, 10c.

Marie Guillot.—Perfection in form; flower is large and double to the center. Until the introduction of the Bride, this held first place among white Tea Roses. Each, 10c.

Malmaison.—A noble rose; the flower is extremely large, quartered and double to the center; color, flesh white, clear and fresh. Each, 10c.



GENERAL JACQUEMINOT.

COLLECTIONS OF ROSES.

Tea Roses.—Fifteen good plants, all different, our selection of varieties, for \$1.00.

Hybrid Perpetual Roses.—The six varieties which we list, for \$1.00.

Hardy Climbing Roses.—Four varieties for 75 cts.

Fairy Roses.—Five varieties for 75 cts.

Moss Roses.—Three varieties for 60 cts.



MARY WASHINGTON ROSE.

HARDY CLIMBING ROSES.

MARY WASHINGTON—It is a historic fact that our revered first President, George Washington, raised in his garden at Mt. Vernon a seedling Rose, which proved to be a hardy, perpetual blooming climber, producing double snow-white blossoms in great profusion from June until frost. In this lovely Rose our first President took special delight, and named it after his mother, Mary Washington. The original bush can yet be seen growing in the grounds where its world-famed master planted it in his garden at Mt. Vernon. No home is complete without one of these Roses. Each, 25c.

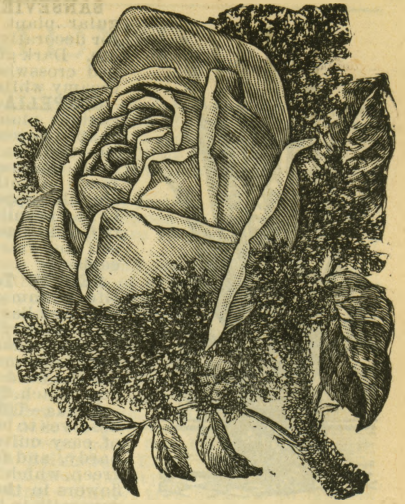
Prairie Queen—Clear, bright pink sometimes with white stripe; large and fine. 25c.

Baltimore Belle—Pale blush, variegated carmine rose and white; very double; one of the best climbing Roses grown and very popular. 25c.

Greville, or Seven Sisters—Flowers in large clusters; varies in color, white to crimson. 25c.

MOSS ROSES.

Valued for their hardness, exquisite fragrance and the beautiful effect of the delicate moss-covered buds. Excellent for cemetery plots. All are hardy. Three varieties, white, red and pink. There is no flower more beautiful for button-hole bouquets, etc. Each, 25c.



MOSS ROSE.

HYBRID PERPETUAL ROSES.

General Jacqueminot—One of the grandest roses in existence; a Hybrid Perpetual sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Our cut well illustrates the shape of the flower, and the cut flowers are often sold by florists at from \$1.00 to \$3.00 each. Color, a rich, dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large, and it is a free bloomer. Each 20c.

Coquette de Alps—White, tinged with pale rose; fine form, free bloomer. 25c.



THE BEAUTIFUL VINE

Solanum Jasminoides Grandiflorum.

This beautiful new plant is of a trailing or climbing habit, but seldom attains a greater height than three or four feet, and if desired can then be cut back to a bush form. It has star-shaped flowers, something like a Clematis, and borne in large clusters or panicles frequently a foot across. They are in color a 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 wall or trellis, showing hundreds of magnificent panicles of bloom. When planted jointly with the beautiful Manettia Vine it makes a splendid appearance, both plants having the desirable quality of the blooms remaining perfect for a long time before fading. Each, 15c.

VERBENA—One of the prettiest and most popular of all plants suitable for beds on the lawn. It commences to flower and spread from the first day the plants are set, until late in the autumn, every day becoming better and more handsome. A healthy plant will cover a space three feet in diameter. Our plants are grown with care, and are as robust as seedlings. Over forty varieties, including all the new kinds. Each, 10c, doz. 75c.

Dinsmore—A magnificent hardy rose, of fine form, rich foliage and rapid growth; color a bright rich crimson; flowers large, very double, cup-shaped; it has proved itself to be the most prolific bloomer yet introduced. It is dwarf in habit and will undoubtedly prove one of the best bedding Roses of the day. 35c.

Giant of Battles—Large and double; color brilliant crimson. 25c.

Mad. Planter—Pure white, most hardy. Each, 25c.

Gen. Washington—Bright rosy carmine, free bloomer, hardy. 25c.

BEAUTIFUL FAIRY ROSES.

These Polyantha roses are of marvelous grace and beauty. Something every one can succeed with. Sure to give satisfaction. They bloom in immense clusters, 25 to 50 together on a single stem. The flowers are of singular purity, and resemble miniature camellias in their regularity. They are wonderfully beautiful and bloom constantly, and are entirely distinct from every other Rose, blooming as freely as a Geranium, and require as little care. They are quite hardy, requiring but slight protection even in the north. Excellent for cemetery planting, for outdoor bedding and for growing in pots. Nothing can be handsomer for button-hole and corsage bouquets. We sell thousands of these, and purchasers are delighted.

Mignonette—As the name would denote, this is deliciously scented; the flowers are blush or soft rose, borne in dense heads—we have had trusses with over 200 flowers and buds on each at the same time. 15c each.

Minature—The smallest Rose in cultivation; the flowers, which are only about the size of a silver dime, are produced in great profusion and are very double; the edges of the petals are finely fringed, giving it a striking and beautiful appearance. It is a delicate rose color on opening, changing to pure white as the flowers expand. 15c.



MIGNONETTE.

Little White Pet—Very handsome, pure white, perfect shaped flower. A strong grower and profuse bloomer. Very hardy. 20c.

Perle d'Or—Color of the buds beautiful nankeen yellow, with vivid orange center, each petal tipped white, changing to buff tinged rose in the open flower. 15c.

Clothilde Souper—A decided novelty, and one which should be in the collection of every lover of Roses. See illustration and description on cover of catalogue. Each, 25c.

One plant each of the five Fairies for 75c.

SMILAX—Well known, handsome climber, and the most popular of all vines with the florists. 15c.

TORENIA—An admirable plant with light blue flowers, heavily blotched with very dark blue; in shape like the Gloxinia. 15c.



SMILAX.



SANSEVIERIA.

SANSEVIERIA, Zelanica—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white flowers creamy white. Each, 25c.

STAPELIA—This is a genus of curious plants, with showy star-shaped flowers, well shown by this illustration; color buff yellow, with maroon markings. Attract much attention on account of the singular appearance of their flower and peculiar odor. From Cape of Good Hope. Pot in rather poor soil and water very sparingly. 15c each.

SEDUM Telphium—This beautiful Sedum grows about one foot high and has leathery-like leaves of a dark green, blotched with bright golden yellow. It is very hardy and makes a beautiful plant for the window as well as the garden. Each, 20c.

Albida—This variety of Sedum deserves to be better known. It is of easy culture, being perfectly hardy, and forms a solid mass of green, which is covered with white flowers in the spring, and as it is generally in bloom by Decoration Day, it is very desirable for cemetery planting. 10c each, \$1.00 per dozen.

SAXAFRAGA, Sarmentosa—The well-known, much-used old basket plant, with long, strawberry-like runners. 10c each.

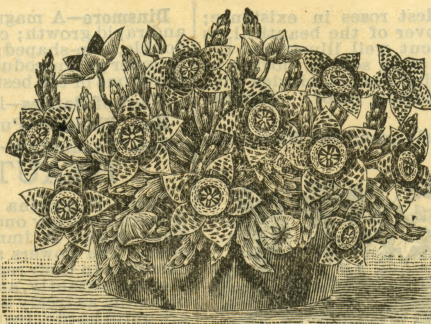
STEVIA, Serrata—A splendid winter-blooming plant, with very fine white flowers; produced in large clusters. 10c.

SALVIA, Splendens—These rich and abundant-flowering plants are indispensable in the autumnal garden. Bright scarlet. 10c.

VIOLET, Swanley White—A truly superb variety which originated in Italy. Is the best double pure white variety ever sent out. Our illustration shows its manner of growth. In pots it grows luxuriantly and is loaded with flowers. In the garden it is hardy with slight protection, and greets us in early spring with a profusion of its large, snowy sweet-scented blossoms. The growth of the plant is vigorous and healthy, bearing, in great numbers, very large, perfectly double flowers of pure snowy whiteness and unexcelled fragrance. It is not uncommon for a plant to have as many as fifty large flowers open at once, and they present a beautiful sight and perfume a whole room. Each 15c.



SWANLEY WHITE VIOLET.



STAPELIA.

New Double Russian—A magnificent hardy variety for open ground culture. Our illustration shows the way in which the plants are covered with bloom. The flowers are large, very double, deliciously fragrant and of a very deep shade of blue, and a peculiarity is that one or two petals on each flower are dotted with red. They withstand the winter perfectly, with only a slight covering of leaves or straw. What more could you ask, as it has beauty, singularity, fragrance, abundance of bloom, ease of culture, and hardiness. Don't omit it from your order. Each 15c.

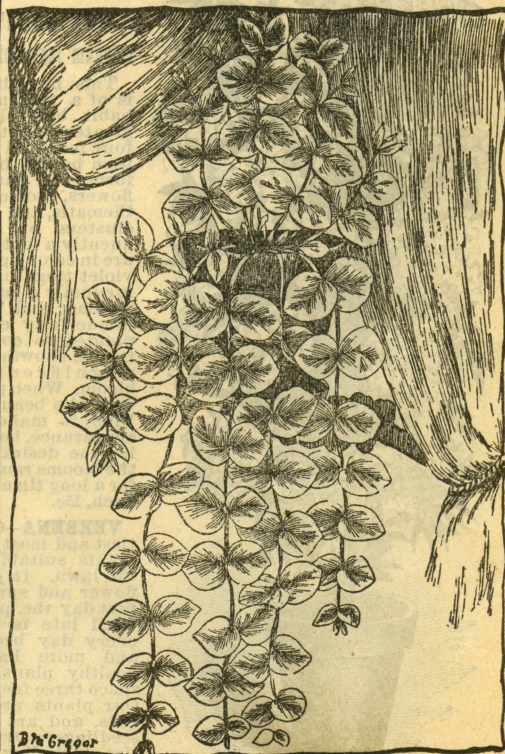
Louise—Double purple, fragrant. Each 15c.
VINCA MAJOR—This most beautiful trailing plant is shown by the illustration, but it does not do it justice. The leaves are very handsomely variegated, being of a glossy green, broadly margined with a creamy white. Flowers handsome bright blue and very showy. Blooms freely. 10c



HARDY RUSSIAN DOUBLE VIOLET.

CUT FLOWERS.

We can always supply choice Cut Flowers at any season of the year, and can also do the most artistic kind of CUT FLOWER WORK for Weddings, Funerals, etc., on short notice. Ask for prices when you need anything in this line.



VINCA MAJOR.

NURSERY DEPARTMENT.

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, or currants or grapes, and what is more delicious than a dish of fresh fruit from your own garden, instead of depending upon fruit which has stood in the hot sun all day in a market stall. There is really no comparison in flavor. It is won derful the amount of fruit which can be grown in a space 30 or 40 feet square, and it costs but little for plants enough to fill it. And then you certainly have room enough for a few fruit trees. It takes no more room or trouble to grow an apple or cherry tree than it does a shade tree, and you will have both shade and fruit.

Our stock of all kinds has made a very fair growth the past season, and is in splendid condition, thoroughly acclimated, hardy, strong, well grown, properly labeled, and all will be pleased who order from us. All stock is carefully packed and shipped by express or freight at expense of purchaser unless stated by mail—but the present special rates of express and freight charges are very low. Don't buy of tree peddlers, but send order to us and be sure of getting what you want.

TIME OF SHIPMENT.

For south of Iowa line we begin shipments March 20th; for Iowa and other states of same latitude about April 10th; for north about April 20th. Send order early so that we can select stock for you and have no delay.

DISCOUNTS.

On orders amounting to \$5 or over you may select stock to the amount of 10 percent extra.

Five of any sorts at the ten rate, and fifty at the hundred rate. If you want a large amount send us your list and we will make special prices wherever possible.

APPLES.

We grow over one hundred sorts, yet are not always able to supply all kinds called for. But if selections are partly left to us we can always fill the place of any sort we may be out of with others equally as good and ripening at the same season; the same is true of other fruits. Below we give a partial list of our best known varieties, of which we have a large stock.

SUMMER SORTS.

Yellow Transparent—The earliest and best; skin clear white, changing to pale yellow when fully ripe; flesh white, tender, juicy, sprightly, sub-acid; good early bearer.

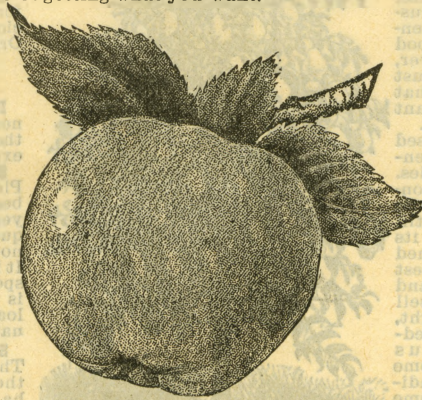
Red Astrachan—Medium size, beautiful deep crimson, striped yellow, hardy and of good quality. **Duchess**—Of good size, yellow, streaked with red, juicy, rich, sub-acid, a favorite everywhere. **Sops of Wine**—Medium size, dark crimson, pleasant flavor. **Cole's Quince**—Large size, greenish yellow, very best quality. Bears well when quite young. **Benoni**—Medium size deep red color, rich flavor.

AUTUMN SORTS.

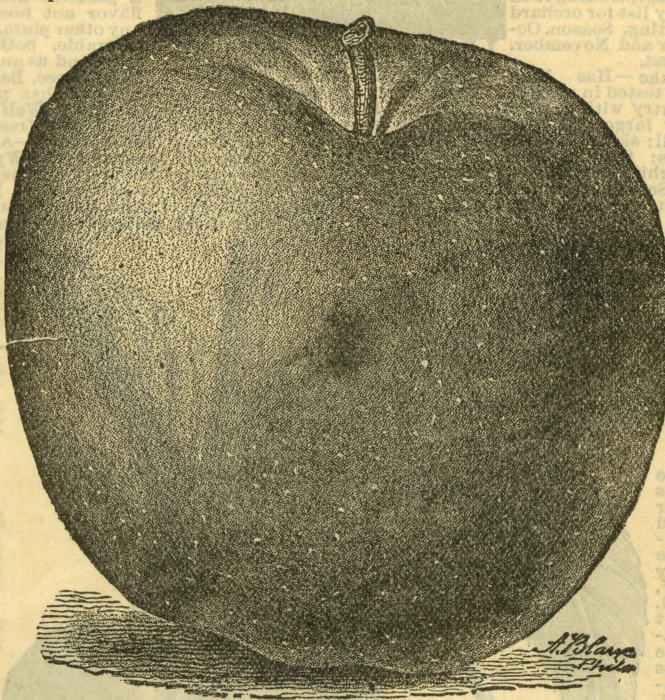
Wealthy—A perfect iron-clad. Fruit of large size, of fine appearance and quality, rich, sub-acid and delicious. An early and profuse bearer and quick seller on the market; keeps well. **Saxton**—Hardy and bears when young; medium size. **Longfield**—One of the best of the Russian varieties, an early and abundant bearer and the fruit is of most excellent, rich, sprightly, sub-acid quality, from October to February. Medium size, yellow with a decided blush on one side. **Snow or Fameuse**—Very popular, medium size, excellent quality. **Utter's Red**—Medium to large, and one of our best autumn sorts. **Haas or Gros Pomier** (meaning big apple)—A large handsome, red striped fall apple, juicy and very productive. Hardy.

WINTER SORTS.

Rawle's Janet—Medium size, greenish yellow, striped with red, rich, crisp and juicy; a long keeper. **Walbridge**—Medium size, very good quality; one of our hardiest and best keeping sorts. Handsomely striped red. **Willow Twig**—Medium to large, good quality, popular. **Grimes' Golden**—Medium to large, golden yellow and flesh a still deeper golden, sub-acid, rich spicy, aromatic; one of our very best and most profitable market sorts. There is nothing superior in quality. **Sheriff**—A small round apple of good quality; very hardy. **Roman Stem**—Medium size, brown russeted, very good quality. Desirable for home use. **Talman Sweet**—Medium size, yellow and red, rich, sweet and good. **Pewaukee**—Medium size, bright yellow, splashed and striped red, sub-acid, with rich aromatic flavor. **Iowa Blush**—Hardy and desirable for the north. Small and good quality. **Wolf River**—The famous prize apple from Wisconsin which took three first prizes at the New Orleans Exposition. Very hardy, a



YELLOW TRANSPARENT (½ natural size).



WEALTHY.

strong grower and profuse bearer of large, beautiful fruit of excellent quality. Color light yellow, shaded with crimson and red; very showy. Has been grown to the weight of 27 ounces. **Jonathan**—Popular everywhere. Medium size, handsome, deep red color; juicy, rich and always brings an extra price. Trees scarce this year. **Ben Davis**—Large striped apple; handsome and bears well. **McMahon**—Large, beautiful, glossy, white with delicate crimson cheek. Juicy, lively tart flavor; good for cooking or desert. **Flora Bellflower**—Extra fine, large, yellow fruit of good quality; bears well. **Virginia Greening**—Hardy; tree medium to large in size; green; a long keeper. **Seavers**—This is one of our choice apples. Hardy in the south half of the State. Medium to large, greenish yellow, with blush in sun. Best in quality. An immense bearer. **Price's Sweet**—A large, late keeping greenish yellow apple of flat shape. Tree very hardy. Claimed by many to be of superior quality to Tallman Sweet.

PRICES.

	Per 10	Per 100
Any of the above, 5 to 6 ft.	\$2.00	\$18.00
4 to 5 ft.	1.75	16.00
3 to 4½ ft.	1.50	12.00

RUSSIAN APPLES.—May be relied on as being strictly genuine, as the stock was procured directly from the Iowa Agricultural College. We will make our patrons who wish it a selection of different sorts at the same price. **Titus**, **Antonovka**, **Borsdorf**, **Lead**, **Grandmother**, **Red Wine**, **Bohemian Girl**, **Switzer**, **Longfield**, **Good Pleasant**, and 25 other varieties.

	Per 10	Per 100
4 to 6 ft., assorted. . .	\$2.25	\$19.00
2 to 4 ft., assorted. . .	2.00	18.00

CRAB APPLES.

Hyslop—Large, deep crimson; one of the most beautiful of crabs; very popular; keeps well.

Red Siberian—Small, yellow and scarlet, handsome; tree erect, full grower and early bearer.

Transcendent—Large, yellow, mostly covered with red; tree very vigorous and productive. Popular and desirable. September and October.

Whitney's No. 20—One of the largest of crabs, glossy, green, splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider.

Souland—A very large native crab. Originally found on Illinois River.

	Each.	Per 10
Any of above.	\$.30	\$2.50
5 to 6 ft.25	2.00
Same, 3 to 4 ft.		

BUFFALO BERRY.

Shepherdia Argentea.

A novelty from Wyoming. It is a tree-like shrub attaining a height of ten feet when well grown, of symmetrical, bushy habit, and would form a striking ornament on any lawn. The fruit resembles in size, form and color the cultivated red currant, but the bunches are more compact and the fruit remains on the bush all winter, and the freezing really improves the flavor. Excellent for pies, jellies and preserves, or dried. Very hardy, and all should try it. Strong plants 40 cts. each, postpaid.

PEARS.

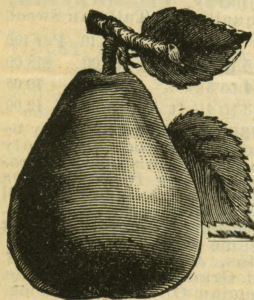
Pears can be grown in Iowa. We know of some in this city which were set out simply as shade trees, and now they produce good crops of fruit. Many of the varieties, however, grown in the east are not hardy enough for this climate. The past two seasons have given a great impetus to Pear growing in Iowa, and many growers are increasing their planting both of the standard and newer sorts.

No. 508. Bessemianka—We have been able to propagate and distribute the famous seedless pear of Russia quite extensively. Fruit medium in size, Shape shown in illustration, green, with some russett, and often blushed on sunny side. Flesh tender, juicy, almost buttery, and better than good for desert. The tree is an upright grower, with first-class dark green leaves that never rust or mildew. We have good reason to believe that this pear will prove hardy and bear abundant crops of good fruit over a wide area of the west.

Kieffer's Hybrid—Supposed to have been raised from the seed of the Chinese Sand Pear, accidentally crossed with some of our best varieties. Probably no fruit has had so much praise and commendation, but the fact that large growers who planted orchards of it several years ago are still planting it largely is the best evidence of its value; while not of best quality, properly ripened it is a fair dessert fruit and one of the very best for canning and preserving. Its large size and handsome appearance will always cause it to sell readily on the market. Its freedom from blight, early bearing, wonderful productiveness, exceedingly vigorous growth and handsome appearance all indicate that it has come to stay. We would advise including it in every list for orchard planting. Season, October and November.

See cut.

Idaho—Has been well tested in nearly all sections of our country with gratifying success. It is very large and handsome; core very small; skin golden yellow, with russet spots; flesh melting, juicy, with a sprightly, vinous, delicious flavor. Season September and October. Price, 4 to 5 feet, 80c; each, \$7.00 for 10.



BESSEMIANKA.

Flemish Beauty—Large, juicy, rich flavored pear. September and October.

Bartlett—Very popular, large clear yellow, rich, juicy, high flavored and a great bearer.

Any of above except Idaho, 4 to 6 feet each, 60c; per 10, \$5.00.

CHERRIES.

THE WRAGG CHERRY—Is one of the most promising novelties in the fruit line we have ever seen. It is a sturdy grower and immense bearer of large handsome dark colored fruit. The original trees of the Wragg Cherry are still growing in Dallas county, Iowa, and are thirty years old, still bearing fair crops of fruit. It is undoubtedly the most profitable cherry yet introduced for the Northwest. We have good reports of it from Minnesota and northern Wisconsin, where, it is said, cherries never fruited before. But for the extreme north it should be on its own roots. It is a large dark colored fruit, and should not be picked till fully ripe. By covering our trees with netting to protect from birds, we have had fresh fruit on till the first week in September, for the past three years. It is highly recommended by the State Horticultural Society. You can not afford to do without at least a few trees.

	Each.	Per 10.
4 to 5 ft.....	\$.75	\$6.00
3 to 4 feet.....	.60	5.00

A customer in northern Wisconsin writes: The Wragg Cherry bore here this year and it was the wonder of the neighborhood, as it was the first tame cherry tree ever seen fruiting in this far northern country.



THE WRAGG CHERRY.

PEACHES.

Heretofore we have not offered trees of this popular fruit for sale, except in a limited way and to personal friends, but the demand is so great from the south half of the State for a hardy Peach of good quality, that we now offer a few sorts of those that have best stood the test of our climate.

Elberta—Large size, beautiful color, yellow and red, delicious quality, a vigorous grower, one of the most productive, on all soils; a good shipper.

Tong Pa—A large free stone, white peach. Perfectly hardy.

Champion—Hardy, and should head every list for Iowa growers. Large size, handsome, luscious fruit; skin creamy white, with red cheek. Originated at Nakomis, Ills.

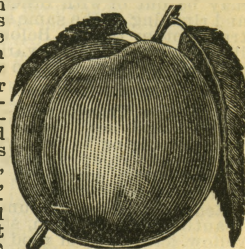
Price, 3 to 5 ft. 50 cts. each, \$4.50 for 10.

PLUMS.

Iowa is the home of the best Plums for the northwest. The varieties we offer have been thoroughly tested, and we only grow those that experience has shown to be the best.

STODDART—The largest and finest native Plum known. Although a new variety it has been tested in Northeastern Iowa for about ten years, and for large size, hardness of tree, good quality and abundant bearing, we think it has no competitor. It stands at the head of the list. It is of perfect form, and the largest size, many specimens measuring 6 1/2 inches and upward. It is an immense bearer, the trees being fairly loaded with fruit. It is the most profitable native plum known. Price \$1.00 each.

Simons' Plum—(Also called Prunus Simoni)—The leaves and bark look like the Peach, while the fruit resembles an Apricot. It is a perfectly hardy tree from Northern China. Has a peculiar aromatic flavor not found in any other plum. Very desirable, both for fruit and as an ornamental tree. DeSoto—Medium size, good quality; has proved profitable wherever planted. Wolf—This fine plum is very large, nearly freestone, and one of the best. Weaver—An old, well known and favorite sort. Wyant—This fine new native plum is considered by Prof. Budd as one of the best. Forest Garden—Large, of good quality, and the best very early variety. Rollingsstone—



CHINESE APRICOT.

Not so large as some, but of the very highest quality, and covered with such a deep bloom that it looks to be a "Blue" plum.—**Hawkeye**—Very large, one of the best. **Comfort**—We are the introducers of this fine large plum, and with it has proved one of the best.

Any of above except Stoddart, 4 to 6 feet, 40 cents each, \$3.50 for 10.

APRICOT.

CHINESE—This is said to be as fine fruit as California Apricots. It was brought to the Agricultural College from Shense in Northwest China, and is perfectly hardy; it is very scarce as yet. No. 1 trees, each 75c; 10 for \$7.00.

RUSSIAN—Six of the best Russian sorts, strong, 4 to 5 feet, 40 cents each; \$3.00 for 10.

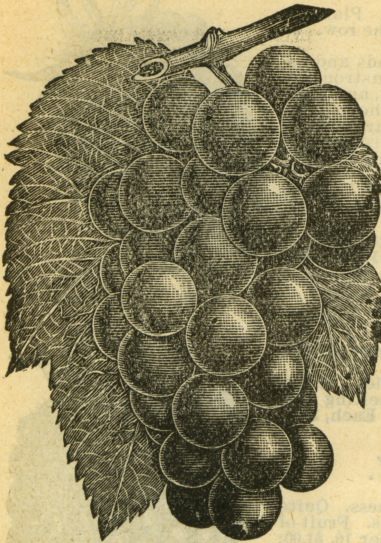
OTHER CHERRIES.

Early Richmond—The best early medium size, dark red, juicy and sprightly acid. **English Morello**—Blackish red, rich, acid, and quite productive. **Montmorency**—Large bright red, acid.

	Each.	Per 10.
No. 1, 4 to 6 ft.....	\$.50	\$4.50
No. 1, 3 to 4 ft.....	.30	2.50

RUSSIAN CHERRIES—From the long list of Russian Cherries we have only selected those that are best adapted to our soil and climate. The following list we recommend are those that we have thoroughly tested. Russian Ostheim, Lutovka, Orel 24, Bessarabian, Bruseler, Braune, Griote Precoce 4 to 5 ft 60 cents each; 10 for \$5.00.

GRAPES.



MOORE'S EARLY.

Worden--In brief, an improved Concord, both bunch and berry being larger, handsomer, earlier and better quality. Our stock is true. Strong 2-year-roots, each, 20c; per 10, \$1.25.

Niagara--Bunch medium to large; berry large; skin thin but tough; slightly pulpy, tender, sweet. Vine vigorous, healthy and very productive. Ripens with Concord. All things considered probably the most valuable white grape in cultivation. Strong one or two year roots, each, 20c, per 10, \$1.50.

Lady--A white grape, seedling of Concord, possessing all the vigor of the parent vine. Early, good flavor. Each, 25c; per 10, \$2.00; per 100, \$15.00.

Perkins--A most excellent, delicious, hardy red variety, sure to please all. Each, 25c; per 10, \$2.00; per 100, \$15.00.

There is scarcely a yard so small, either in country or city, that room for one to a dozen or more grape vines cannot be found. They do admirably trained up by the side of any building, or along the garden fences, occupying but little room furnishing an abundance of the healthiest fruits. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. They are a most satisfactory fruit, and can be as easily grown as potatoes. All kinds listed are perfectly hardy, but the Agawam should have some winter protection. If to be mailed add 15c for 10, 50c per hundred. Write for special prices by the hundred or thousand, stating number and kinds wanted.

Cottage--Undoubtedly the best variety for the family use. See colored illustration and description on cover of catalogue. Strong 2-year-old roots, 25c each, \$2.00 per 10.

Moore's Early--The finest and most profitable of all black varieties. Vine is even more hardy than its parent, Concord, while it ripens fully two weeks earlier, thus obtaining the advantage of larger price, ruling at the time, and being more sure to ripen its entire crop in a short season. Fruit is well shown in our illustration, the berry being much larger than Concord and quality almost identical. Claimed by some to be exempt from mildew or disease. Each, 25c; per 10, \$2.00.

Concord--So popular that it needs no description. Either one or two year old vines, each, 15c; per 10, \$1.00.



POCKLINGTON.

Golden Pocklington--A seedling from Concord. The vine is thoroughly hardy; strong grower, never mildews in vine or foliage. Called a white grape, but the fruit is a light golden yellow, clear, juicy and sweet to the center, with little or no pulp; bunches very large; sometimes shouldered; berries round and very large and thickly set; quality when fully ripe much superior to Concord. Strong 2 year roots, 20c; per 10, \$1.50.

Agawam--A fine, large, red berry, and cluster of good size. Quality excellent, decidedly aromatic flavor, very vigorous grower and productive. Each, 20c; per 10, \$1.50.

SPECIAL--One Vine each of above nine grapes, \$1.25.

RASPBERRIES.

Any good corn ground is suitable for them, and they like it rich. Set plants in rows five feet apart, and three feet apart in row. If by mail add 10c per 10; 50c per 100.

Muskingum--See description of this splendid new variety on second page of cover. Each 15c, 10 for \$1.00.

New Golden Queen--The most popular and best yellow variety yet introduced. May be called a Golden Cuthbert, and it really exceeds the Cuthbert in size, and is the best in quality of all raspberries. Beautiful translucent amber color, firm and of delicious flavor. It is of very vigorous, strong growth, hardy, and in productiveness simply marvelous. Ripens in midsummer. Its beauty, size and fine quality make it almost indispensable for table use, and no home garden is complete without it. Per 10, \$1.00; per 100 \$4.00.

Shaffer's Colossal--A cross between the red and black raspberry. Popular and immensely productive and vigorous. Berries largest of all. More extensively grown for canning establishments than any other variety, growers being able to sell far below the price of the red varieties and reap a handsome profit. One grower reports having picked 6,839 quarts last year from less than one acre and a half. Per 10, \$1.00; per 100 \$4.00.

Cuthbert--The best raspberry in cultivation. Does well everywhere. Hardy, strong grower, loaded with large, dark crimson berries, firm and good flavor. Per 10, \$1.00; per 100, \$3.00.

Gregg--Popular late black variety. Per 10, 75c; per 100 \$3.00.

Turner--Hardy, early, of medium size and fine red color. Per 10, 75c; per 100, \$2.50.

Souhegan or Tyler--Large, black, without bloom and of medium quality. Plant very hardy and a great bearer, ripens a little before Ohio. Per 10, \$1.00; per 100, \$3.00.

Older--This new variety bids fair to become one of our leading berries; fruit large, black, firm; a strong grower. Per 10, \$1.25; per 100 \$7.00.

Ohio--The greatest producer among Black Caps, and for canning or evaporating claimed to be the most profitable of all sorts; berry not quite as large as Gregg, but earlier and of finer quality, and the plants more hardy and will bear more successful crops. Per 10, \$1.00; per 100, \$3.25.

WHOLESALE PRICES.

If you want a large amount of any kind of nursery stock don't fail to send list for special prices.



OHIO RASPBERRY.



SHAFFER'S COLOSSAL RASPBERRY.



GOLDEN QUEEN RASPBERRY.

BLACKBERRIES.

This is the king of small fruits, perfectly hardy. Plant in rows six or seven feet apart, three to five feet in the row. If by mail add 10c. per 10, 50c. per 100.

Erie.—Many claim this to be the best of all kinds and on some soils the canes are of iron clad hardness, of the strongest growth, quite free from rust and all other diseases, and wonderfully productive, bending the robust canes to the ground with the weight of fruit. The berry is of the very largest size, excellent quality, handsome and firm. Shape is well shown by our illustration. It is the berry for both market and home. Per 10, \$1.50; per 100, \$3.00.

Snyder.—More grown than any other in this latitude because of its extreme hardness. Medium size, per 10, \$1.00; per 100, \$2.80.

Stone's Hardy.—Upright, vigorous grower. Berries are a glossy black and of a delicious flavor, later than Snyder. Per 10, \$1.00; per 100, \$3.25.

DEWBERRIES.

Larger, sweeter, and by some considered superior to the blackberry. If by mail add 15c. per 10, 60c. per 100.

Lucretia.—Decidedly the best of all the dewberries. It is a superb fruit, large, handsome, shining jet black, melting and delicious quality. Earlier than the blackberries. Each, 15c.; per 10, \$1.00; per 100, \$8.00.

RUSSIAN MULBERRY.

A valuable tree of vigorous growth and hardness. Quite desirable for windbreaks and for feeding silk worms. Fruit of medium size, pleasant and palatable. 2 to 3 ft., per 10, \$1.00; per 100, \$4.00; 3 to 4 ft., per 10, \$1.50; per 100, \$6.00.

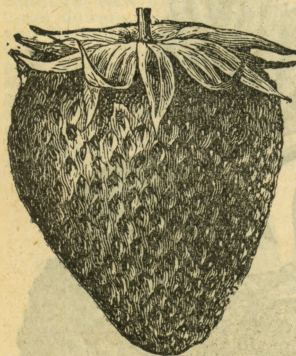
ROCKY MOUNTAIN CHERRY.

DWARF ROCKY MOUNTAIN CHERRY.

This new fruit was discovered growing in the mountains of Larimer county, Colorado, and promises to be a valuable addition to our cultivated fruits, as it has now been grown in the nursery several years, but has not before been offered for sale, from what we can learn. Our illustration was made from a photograph of a branch and well shows its great productiveness. It begins bearing very young, and sixteen quarts have been picked from a three-year-old plant. The fruit is jet black when ripe and averages somewhat larger in size than the English Morello cherry, and it is late in ripening. In flavor it resembles the sweet cherries. It is dwarf, growing to a height of about four feet, and when covered with its mass of white flowers it would grace any lawn. Large size, \$1.00 each; small size, by mail 50c. each.

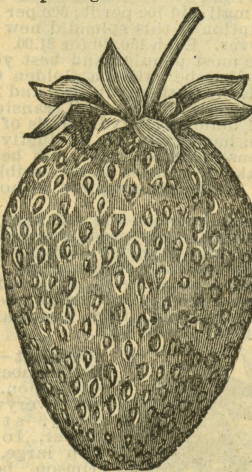
STRAWBERRIES.

The first maturing, most beautiful, delicious, wholesome and appetizing of fruits is the strawberry, and no matter how small the garden, you cannot afford to do without a small bed of them. Plant in March, April, May, September or October, in rows three feet apart and fifteen inches in the row for field culture, or fifteen inches apart each way for garden, leaving a path every third row. Those marked (p.) have imperfect flowers, and a few plants of some perfect flowering variety must be planted near them to fertilize them. Write for special prices by the thousand. If desired by mail add 25c. per 100 for postage.



WARFIELD.

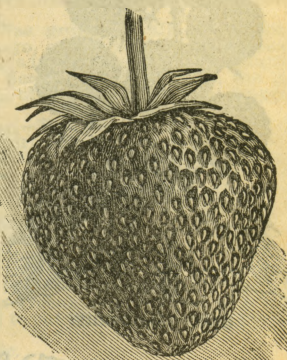
Parker Earle.—The best variety for family use in the whole list as it is a perfect flowered sort and bears immensely. The plant is robust, free from disease, stooling heavily. Berry regular, uniformly large, conical, with a neck glossy scarlet crimson; ripens all over; flesh firm, crimson, no hollow core; seeds golden, becoming crimson, promine it, protecting surface in handling; quality excellent; fruit borne in the greatest profusion, the rate of fifteen thousand and qts. to the acre having been gathered. Season medium to very late. Per 10, 75c.; per 100, \$3.50.



PARKER EARLE.

Bederwood.—A valuable early sort of quite recent introduction, but has proved a vigorous grower and very productive. Is a perfect flowered sort, and therefore desirable for small gardens. Quality excellent. Per 10, 35c.; per 100, \$1.50.

Warfield.—(p.)—Rapidly taking the lead for a market variety. A vigorous grower, tough and hardy, and astonishingly productive. It makes a great many runners, and is as free from rust as any variety. Fruit large, dark, glossy red, and it holds its color and form a long time after being picked. It has an agreeable, sprightly flavor, and ripens early. Per 10, 35c.; per 100, \$1.25.



HAVERLAND.

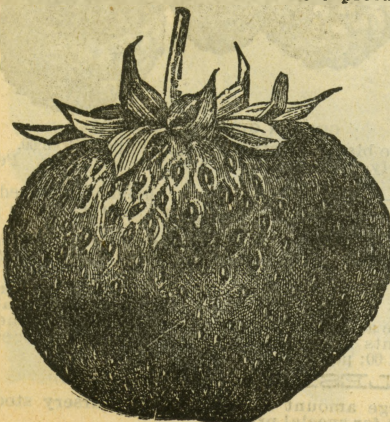
Haverland.—Ripens early and continues to fruit throughout the season. Large, uniform, bright red. Per 10, 35c.; per 100, \$1.50.

Jessie.—Is especially desirable on new timber soil, and grows to such an immense size that seven will fill an ordinary quart box. In our fields this has proved to be one of the best fertilizers for the imperfect flowered sorts. Per 10, 35c.; per 100, \$1.25.

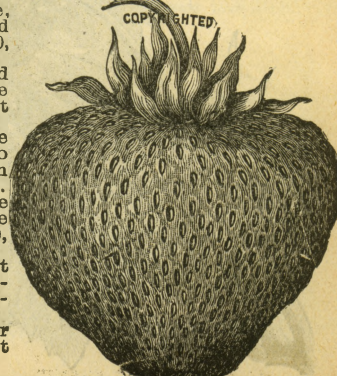
Pearl.—A profitable market sort with large, glossy, crimson berries. Excellent for private gardens. Per 10, 35c.; per 100, \$1.50.

Crescent Seedling.—(p.)—Has for years been the standard market sort. Per 10, 30c.; per 100, \$1.25.

Lady Rusk.—Highly recommended, but has not proved satisfactory in Iowa. 10, 35c.; 100, \$1.50.



BUBACH.



BEDERWOOD.

CURRANTS.

One of the most prominent horticulturists in the country recently informed us that he made more money from his crop of currants than from any other source. They are a most profitable crop if well cared for, for the market is never overstocked. Our plants are fine and large. If by mail add 10 cts. per 10; 50 cts. per 100.

Fay's Prolific—Decidedly the best currant in cultivation. Has been widely planted and given general satisfaction. It is a strong grower, wonderfully prolific and bears early. Fruit large, bright red and of good flavor and very uniform in size. It is the berry for market or home gardens and you cannot afford to omit it from your list. Each, 25c.; per 10, \$2.00.



Grandall—A new black currant, and by many considered one of the most valuable novelties of recent introduction. Grows six to eight feet high, in a tree form; is perfectly and absolutely proof against currant worms and insects. Enormously productive and generally produces fruit same season planted. Fruit sometimes as large as the Concord Grape. Excellent flavor. Try it. Each, 25c; per 10, \$2.00.

OTHER CURRANTS.—**White Grape**—Largest, best white sort; handsome, sweet and productive. **Cherry**—Sometimes one-half inch in diameter. Productive if on good soil. **Red Dutch**—An excellent and well-known old sort. **White Dutch**—Same, except color. Each, 15c; per 10, \$1.00; per 100, \$5.00.

GOOSEBERRIES.

One of the most popular fruits in England, and is now beginning to receive more attention here. Plant three or four feet apart each way, manure well and remove old canes after fruit is gathered. Does well if grown in partial shade. Should have rich soil. If by mail add 15 cents per 10.

Industry—The best English sort yet introduced in this country. Berries are very large, one to one and one-half inches in diameter, of most excellent flavor, both pleasant and rich. Color dark red when fully ripe. Under favorable conditions it bears immense crops. A northern exposure and partial shade are desirable for it. Each, 40c; per 10, \$3.00.

Downing—Best of the American sorts, and a vast improvement on the Houghton, of which it is a seedling. Fruit large, pale green, and of excellent quality, both for cooking and table use. Bushes stocky, hardy, vigorous and very prolific. Strong two year plants. Each 15c; per 10, \$1.25.

Houghton—Fruit of medium size; skin smooth; pale red; flesh tender and good. Each, 13c; per 10, 75c.



INDUSTRY GOOSEBERRY.

DEUTZIA—A very desirable shrub of strong, hardy growth, bearing an abundance of beautiful racemes of double pure white flowers. The shape is well shown by our illustration, but it 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 price so low that all can purchase. Strong plants, each, 25c.

SPIREA—**Van Houtti**—One of the most charming and beautiful of the Spiræas, having pure white flowers in clusters or panicles about an inch in diameter. Astonishingly profuse in bloom, and plants remarkably vigorous and hardy. But lately introduced from France. Each, 50c. **Golden Leaved**—Golden-yellow tinted foliage, and double white flowers in June. Each, 35c. **Lance Leaved**—Narrow pointed leaves, and large round clusters of white flowers that cover the whole plant; a charming shrub. Blooms in May. Each, 40c. **Reevesii Fl. Pl.**—Flowers white and double; blooms freely in clusters. One of the best. Each, 45c. **Callosa Alba**—A white flowering variety, of dwarf habit; very fine. Each, 40c.

TAMARIX—This is one of the finest additions to our list of hardy shrubs. The foliage is light, feathery, graceful, sage blue in color, and very ornamental. Blooms early in June, and then all through the summer and autumn. Each, 50c.

SYRINGA or MOCK ORANGE—One of the very best of the hardy white flowering shrubs. Has luxuriant foliage and masses of pure white, intensely fragrant flowers, in June. Deserves a prominent place in every yard. Each, 40c.



DEUTZIA.

HARDY FLOWERING SHRUBS.

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 an assortment of hardy shrubs. The following varieties are all hardy without protection, will bloom at once, and continue to grow more beautiful year after year. We have a very great variety of kinds, but offer here only those we think most desirable. Prices are for large, strong plants, to be sent by express or freight, at the expense of purchaser; but, if desired, we can furnish smaller plants of any of them at 25 cents each, postpaid.

EXOCHORDIA GRANDIFLORA—A magnificent hardy flowering shrub from Northern China (also called Pearl Bush). It is a vigorous growing shrub. Bears a great profusion of beautiful pure white flowers, and the buds, before opening greatly resemble clusters of rarely fine pearls. Each, 50c.

JAPAN QUINE—A popular, beautiful and valuable shrub, which very early in the spring is covered profusely with large red blossoms and beautiful glossy leaves, making a dazzling sight. Fine for hedges. Each, 40c.

SNOWBALL—A well-known, popular shrub, which grows to large size, covered with dense spherical clusters of white flowers, which give it its name. Each, 25c.

LILAC, Purple—A well-known, strong growing shrub, bearing large, fragrant clusters of flowers early in spring. Each, 40c.

LILAC, White—Like above, but has white flowers which make it more desirable to some. Each, 40c.

TREE HONEY-SUCKLE—A beautiful shrub, loaded with pink flowers in early spring. Each, 40c.

HYDRANGEA—**Panicula Grandiflora**—Each, 40c.

ORNAMENTAL VINES AND CREEPERS.

One would scarcely believe what fine effect a few handsome, graceful vines will give to almost any place. For instance, a fine Clematis will just fill a place which would otherwise be unoccupied, and attract more attention when in bloom than any other plant on the place. Don't omit to ask for a few vines with your order.

Smaller plants of any of the following (except Clematis Jack) 25c each, by mail, postpaid.

TRUMPET FLOWER—Of rapid growth, with large, showy, trumpet-shaped, scarlet flowers and pretty foliage. When in full bloom, during August, it produces a most gorgeous effect. Each, 40c.

AMPELOPSIS-VEITCHII—(Boston Ivy)—This is one of the finest climbers we know for covering walls, as it clings firmly to the smoothest surface. It is quite hardy and becomes more popular each year. Each, 40c.

CHINESE WISTARIA—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, grows very rapidly, climbing to a height of fifty feet or more, and when covered with bloom is truly magnificent. It produces an abundance of long drooping racemes, resembling in size and shape a long bunch of grapes. Our illustration represents a very small cluster of flowers. Color blue. Often produces another crop of flowers in late Summer or Fall. Very popular and satisfactory. Each, 40c.



WISTARIA.

VIRGINIA CREEPER, or AMERICAN IVY—A well known variety of luxuriant vigorous growth, and owing to its ivy-like tendrills, valuable for covering unsightly objects. Turns to a bright crimson in Autumn. Each, 40c.

HONEYSUCKLE, Red Coral or Scarlet Trumpet—A strong, rapid grower, with an abundance of bright scarlet flowers, which are strikingly handsome. This is probably the most beautiful honeysuckle in cultivation, and blooms almost without ceasing. Each, 40c.

Yellow Trumpet—Like above, only yellow. Each, 40c.

Monthly Fragrant—Showy flowers of most delightful fragrance, and continues to bloom a long time. A desirable plant for verandas and porches, by reason of its sweetness. 40c.

CLEMATIS, Jackmanii—The pioneer of the large-flowered improved Clematis, and with few, if any equals, and no superiors. Vigorous, perpetual, very profuse and constant. Flowers large, in such masses as to form a cloud of bloom of intense violet-purple, having the appearance of velvet, and remarkably rich. Much of the popularity of the Clematis is due to this superb variety, and, to our taste, it is the choicest vine in cultivation. Large fine three-year-old plants, only \$1.



CLEMATIS.

Viticella—A free growing and free-flowering variety, producing handsome bluish-violet flowers. One of the best. Each, 40c.

Virgin's Bower—A very handsome variety of the Clematis, growing to a height of twenty feet and making a nice shade for porches, arbors, etc. The plant is literally covered with thousands of pure white flowers which are delightfully fragrant and blooms constantly from July to September. The foliage is dense, trifoliate pointed leaves. The beauty of the flowers is equalled if not excelled by the clusters of silvery white seed balls, which are covered apparently with white silk hair and will keep nicely for decorations. The vine is perfectly hardy, rapid growing and graceful and will succeed everywhere. Each 25 cts., postpaid.

ORNAMENTAL TREES.

CATALPA SPECIOSA—Hardy and desirable. Four to six feet, each, 25c; per 10, \$2.00.



CUT LEAVED BIRCH.

MOUNTAIN ASH—A fine hardy tree; covered with great clusters of bright red berries from July till winter. Six to eight feet, each, 50c; per 10, \$4.00.

CUT-LEAVED WEEPING BIRCH—Beyond question one of the most popular of all weeping or pendulous trees its tall, slender, yet vigorous growth, graceful drooping branches, silvery white bark and delicately cut foliage, present a combination of attractive characteristics rarely met with in a single tree. Four to six feet, each, 75c.

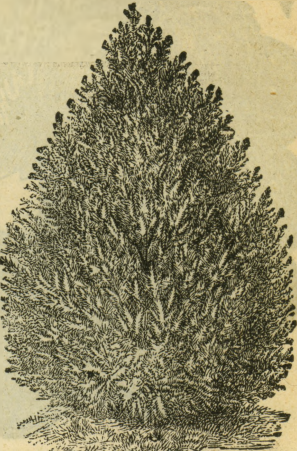
POPULUS BOLLEANA—Said to be the finest ornamental tree of the temperate zone. Four to five feet, each, 50c.

OLEASTOR—A beautiful silvery leaved tree. Blooms early in May, clusters of small yellow flowers, and when in bloom is very fragrant. Four to six feet each, 50c.

EVERGREENS.

These we make a specialty of, and all are strong and sure to grow with ordinary care. We will be glad to figure with you if you want a large number for hedge or windbreak. Remember that these are all nursery grown and transplanted; we pack in moss and our trees reach our customers fresh and ready to grow. We have all sizes. Write for prices on other sizes or on large lots. We send by freight or express only unless 25 per cent extra is added for postage.

Siberian Arbor Vitæ—Excessively hardy, of rather slow growth, conical form, compact and symmetrical; foliage dense and of a very peculiar dark green color. An ornamental and useful variety. It has a richer and more velvety tone of color than the American, and unites, perhaps, more good qualities for home use than any other we know of. Twelve to eighteen inches. Each, 25c.



SIBERIAN ARBOR VITÆ.

American Arbor Vitæ—Grows rapidly and forms a most beautiful hedge, very dense. Of course it is never adapted to turn stock, but it forms a most desirable and ornamental screen to divide the lawn from other parts of the grounds, or for any other purpose. Eight to twelve inch, per ten, 75c; per 100, \$6.35; twelve to eighteen inch, each 15c; per ten, \$1.00; per 100, \$8.00; two and one half to three feet, each, 35c.

Colorado Blue Spruce—Without doubt the finest acquisition we have ever had to our list of evergreens. Very hardy, symmetrical, most graceful arrangement of branches, and the foliage is a most rich, beautiful steel blue. It is incomparable in beauty. Each, \$2.00.

Scotch Pine—A strong, hardy grower, fine for windbreaks; very robust; dull bluish green foliage; 8 to 12 in. per 10, \$1.00; per 100, \$6.50. 12 to 18 inch, per 10, \$1.25; per 100, \$8.50.

White Pine—A well known native sort, tall, stately, spines long and slender; 8 to 12 inch, per 10, \$1.00; per 100, \$7.00. 12 to 18 inch, per 10, \$1.25; per 100, \$8.75.

Savin—This beautiful dwarf evergreen is an ornament to any lawn, growing small and compact and holding its color in the driest season. Nice plants 18 to 24 inch, 30c each; same, 12 to 18 inch, 25c.

Balsam Fir—A very regular, symmetrical tree, assuming the conical form even when young. The leaves are a dark green above and silvery beneath. 12 to 18 inch 15c, each; \$1.25 per 10; 18 to 24 in. 25c each; \$2.00 per 10.

Juniper (Virginica)—The Red Cedar. A well known American tree,

Trailing Yew (Taxus Canadensis)—This beautiful and very scarce dwarf evergreen, is the only one bearing red berries. 12 to 18 inches, 25c each.

Norway Spruce—A lofty elegant tree of perfect pyramidal habit, remarkably elegant and rich as it gets age, has fine, graceful and pendulous branches; deservedly popular and one of the best evergreens for hedges and windbreak. 8 to 12 inch per 10, 75c; per 100, \$6.00; 12 to 18 inch, per 10, \$1.00; per 100, \$8.00; 24 to 36 in., per 10, \$2.00; per 100, \$16.00.

White Spruce—Very hardy and valuable sort of compact pyramidal form and elegant silvery foliage. This is the best and most beautiful of all the spruces except the Colorado Blue Spruce, and we have many thousand trees on our grounds that are so beautiful in color as to be a near approach to the Colorado tree. Its scarcity will always make it higher priced than Norway, but when beauty is an object it is the cheapest. 12 to 18 in., per 10, \$1.50; per 100, \$10.00. 18 to 24 in., per 10, \$2.00; per 100, \$12.50. 24 to 36 in., per 10, \$3.00; per 100, \$25.50.

Austrian Pine, European Larch and a great variety of other evergreens at low prices.

If a large number of Evergreens are wanted, write for prices.



BALSAM FIR.

with deep green foliage; makes a fine ornamental hedge plant. 8 to 12 inch, per 10, 75c; per 100, \$7.00.

Globe Arbor Vitæ—A dense, round growing variety, hardy, and very desirable. 12 to 15 inches, 35c each.

Hemlock—An elegant pyramidal tree with drooping branches and delicate dark foliage, like that of the Yew; distinct from all other trees. It is a beautiful lawn tree and makes a highly ornamental hedge. 18 to 24 inch, 35c each; \$2.50 per 10.



WHITE SPRUCE.

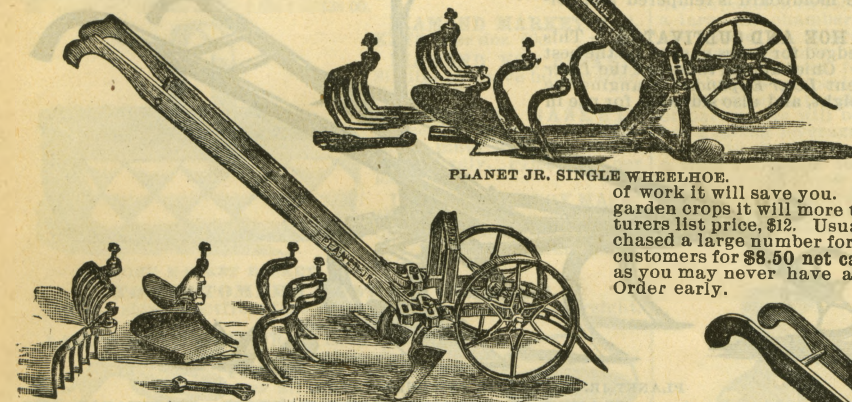
TOOLS AND IMPLEMENTS.

We handle a good assortment of the best gardening implements and tools, and as we are not bound to any firm or manufacturer to push their goods exclusively, our customers can depend on our opinion as here given, being unbiased and founded on our own experience and that of the best gardeners near this city. A good wheel hoe is as much superior to the common hoe for cultivating a garden as is the mowing machine to the sickle in the hay field. All of the following tools have been thoroughly tested, and for their own particular class of work have given splendid satisfaction. The soil on which they are intended to be used, as well as the use to which you intend to put them, must be well considered.

PLANET JR. HILL DROPPING GARDEN DRILL—This is an entirely new machine, offered last year for the first time, the latest and best of the "Planet Jr." family. It holds two quarts, and sows all kinds of garden seed with the greatest regularity. The plow runs any depth from one-eighth to two inches. It sows in drills and will also drop in neat hills either four, six, eight or twelve inches apart. It can be changed from a hill to a drill dropping machine, or can be thrown in or out of gear in a moment, and will not sow when run backwards. It has a force-feed, so that the sowing is regular, no matter whether the drill is full or nearly empty. The discharge of the seed can be stopped instantly at the end of the row, so that none need be wasted. The Opening Plow and Coverer are specially adapted for the work they have to do, while the marker can be set at any distance desired up to twenty inches. The ability to drop in hills is a great advantage, as it saves considerable seed, insures vigorous plants at even distances, and saves an immense amount of hand labor in thinning out. The machine is thoroughly well made and the best tool on the market. List price, \$12.00. Our price only \$9.00. Extra attachment for sowing onion seed for sets in a band four inches wide, 50 cents.

PLANET JR. SINGLE WHEEL HOE—This Single-Wheel Hoe is considerably lighter than the double, and does almost the same variety of work; the attachments are nearly identical. Owing to its lightness, it is more pleasant to some than the Double-Wheel Hoe.

Though intended chiefly to work between the rows, it can be used to hoe both sides at once, while plants are small, by placing the wheel to one side of frame. List price \$6.00. Our price only \$4.75 each.



PLANET JR. SINGLE WHEEL HOE.

THE "PLANET JR." DOUBLE WHEEL HOE, Cultivator, Rake and Plow Combined—This popular hoe merits the thorough admiration of every practical gardener. Each tool is sent out with attachments shown in cut. The arch is high enough to enable the operator to work both sides of the row at once until plants are over eighteen inches high; then the wheels can be set to run close together and work between the rows. Leaf guards (detachable) go with each machine, to be used when plants extend into a wide row. This tool is light, very simple, very strong, made of the best material and highly finished, and nothing exceeds the variety and perfection of work it performs. It will do the work of six men with ordinary hand hoes. List price, \$8.00. Our price only \$6.00 each.

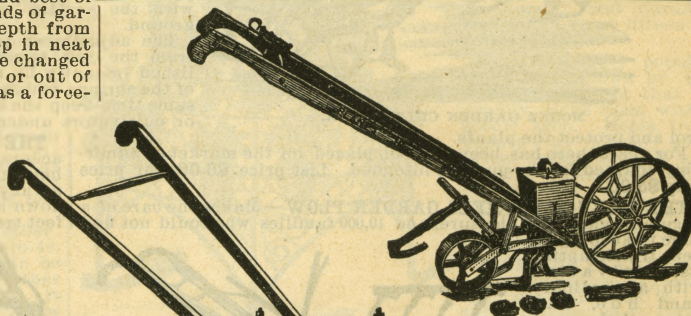
THE "FIRE-FLY" SINGLE WHEEL HOE, CULTIVATOR AND PLOW COMBINED—This convenient tool combines lightness and strength with great adjustability, while its highly polished and tempered tools make gardening comparatively a pleasure. The tools are all made after the most perfect models, and are: First, a pair of admirable Hoes, which can be set to work to and from the row, and to any desired depth. Next, a set of three reversible Cultivator Teeth, to be used together or singly, or in conjunction with the hoes. Third, a large excellent Garden Plow. The whole tool is light and strong, attractive in appearance and capable of standing hard usage for years, while the price is its final recommendation. Price, \$5.00, boxed. Our net price only \$4.00.

WE ARE
GENERAL AGENTS IN IOWA

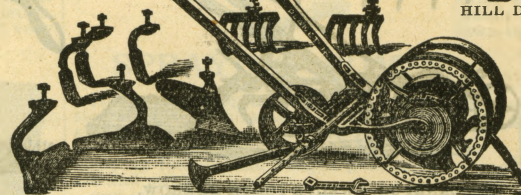
For the Celebrated

PLANET JR., TOOLS.

And as we handle more of them than any other firm and pay spot cash, we can make lower prices. If two or more are wanted write for special discounts.



HILL DROPPING DRILL.



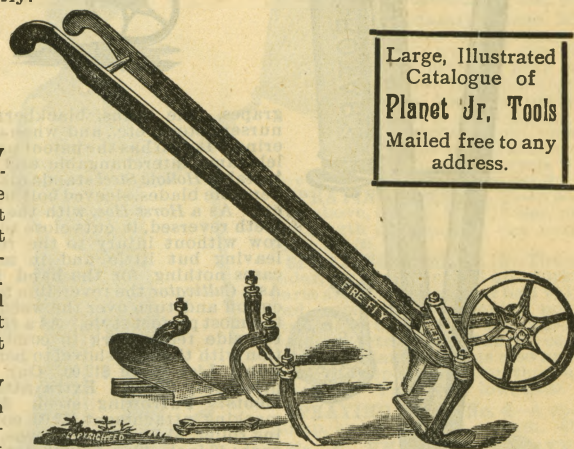
PLANET JR. COMBINED DRILL.

THE PLANET JR. COMBINED DRILL, WHEEL HOE, CULTIVATOR AND PLOW

—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, working all rows from eight to sixteen inches wide at one passage. As a *Cultivator* it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth, opening, dropping, covering, rolling down and marking the next row all at one passage, in the most reliable and perfect manner. Each machine is sent out with the tools shown in the cut.

We take pleasure in selling this machine, as it is sure to please every one who tries it. You will be surprised at the great amount of work it will save you. Even if you have only one acre of ground in garden crops it will more than pay for itself the first season. Manufacturers list price, \$12. Usual wholesale price to dealers, \$9.00, but we purchased a large number for spot cash so that we could offer them to our customers for \$8.50 net cash. Don't fail to include one in your order, as you may never have an opportunity to buy for this price again. Order early.



FIREFLY SINGLE WHEEL HOE.
FLUTED FLOWER POTS.

A handsome new pattern. 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 in. 80c., 6 in. \$1.00, 7 in. \$1.50, 8 in. \$2.40, 9 in. \$3.00.
No charge for packing or delivering at depot here. All orders for these must amount to at least \$1.00. Many styles of handsome pots, hanging baskets and vases at very low prices.

Large, Illustrated
Catalogue of
Planet Jr. Tools
Mailed free to any
address.



MCGEE GARDEN CULTIVATOR.

MCGEE GARDEN CULTIVATOR or SPRING HOE.—The invention of a practical onion raiser, who knew just what was wanted and how to make it. It 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 this is the best cultivator for onions.

With each tool there is a pair of knives, that operates as hoes, and a pair of cultivators.

These attach to the beam by means of an eye bolt, and are adjusted forward and backward on the beam to any angle with the plants or to any angle with the surface of the ground.

The adjustment to and from the row is accomplished instantly by means of the springs, which at the same time keep the knives or cultivators under con-

trol and protect the plants.

For years there has been no tool placed on the market so admirably adapted for the purpose intended. List price, \$6.00, our price only \$5.00.

THE "FIRE-FLY WHEEL GARDEN PLOW—Makes the care of a vegetable garden a pleasure, and 10,000 families who could not find

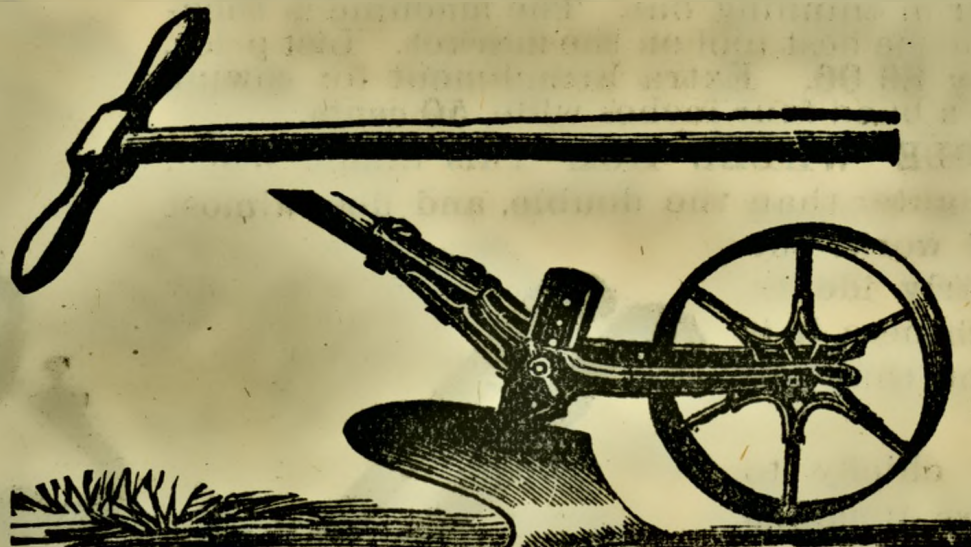
a time to keep a garden, if attempting its cultivation with an ordinary hand hoe, can raise their own vegetables successfully with the "Fire Fly." Will both plow the garden and attend to the cultivating and weeding throughout the gardening season. This tool is intended for those who have but small

gardens and a moderate amount of time to spend in them. It enables them to raise vegetables for their family or for market, with a minimum expenditure of labor and time, the latter being often the most important item to many who would be glad to grow their own vegetables if they could do it in their spare moments. The moldboard is tempered and polished steel. Price, only \$2.25.

THE PLANET JR. No. 6 COMBINED HORSE HOE AND CULTIVATOR.—This well known and popular tool, though acknowledged for years past to be the best in the market, has striking improvements now. Chief among these are the *Lever Wheel*, a necessity for particular work; the patent *Lever Expander*, changing the width instantly; and *Handle Adjustment* for height, and also sidewise for use in



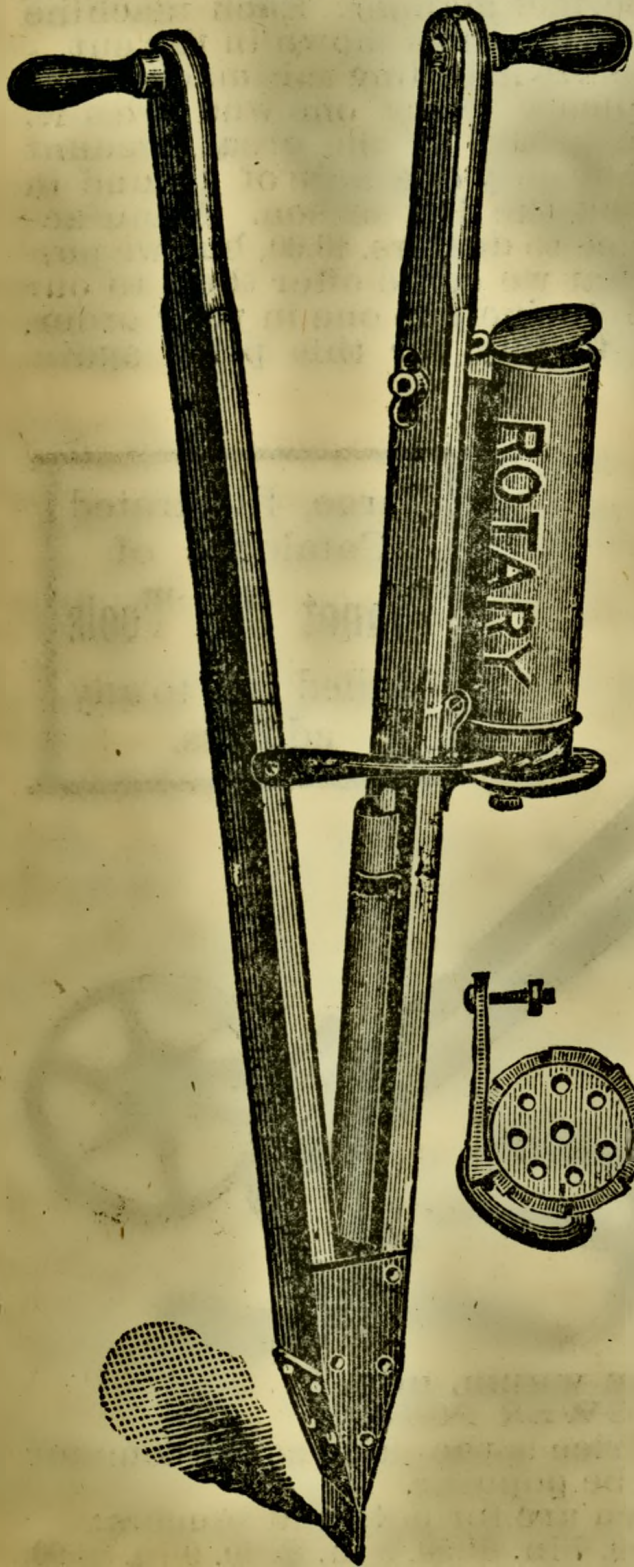
PLANET JR. TWELVE TOOTH HARROW.



FIRE-FLY GARDEN PLOW.

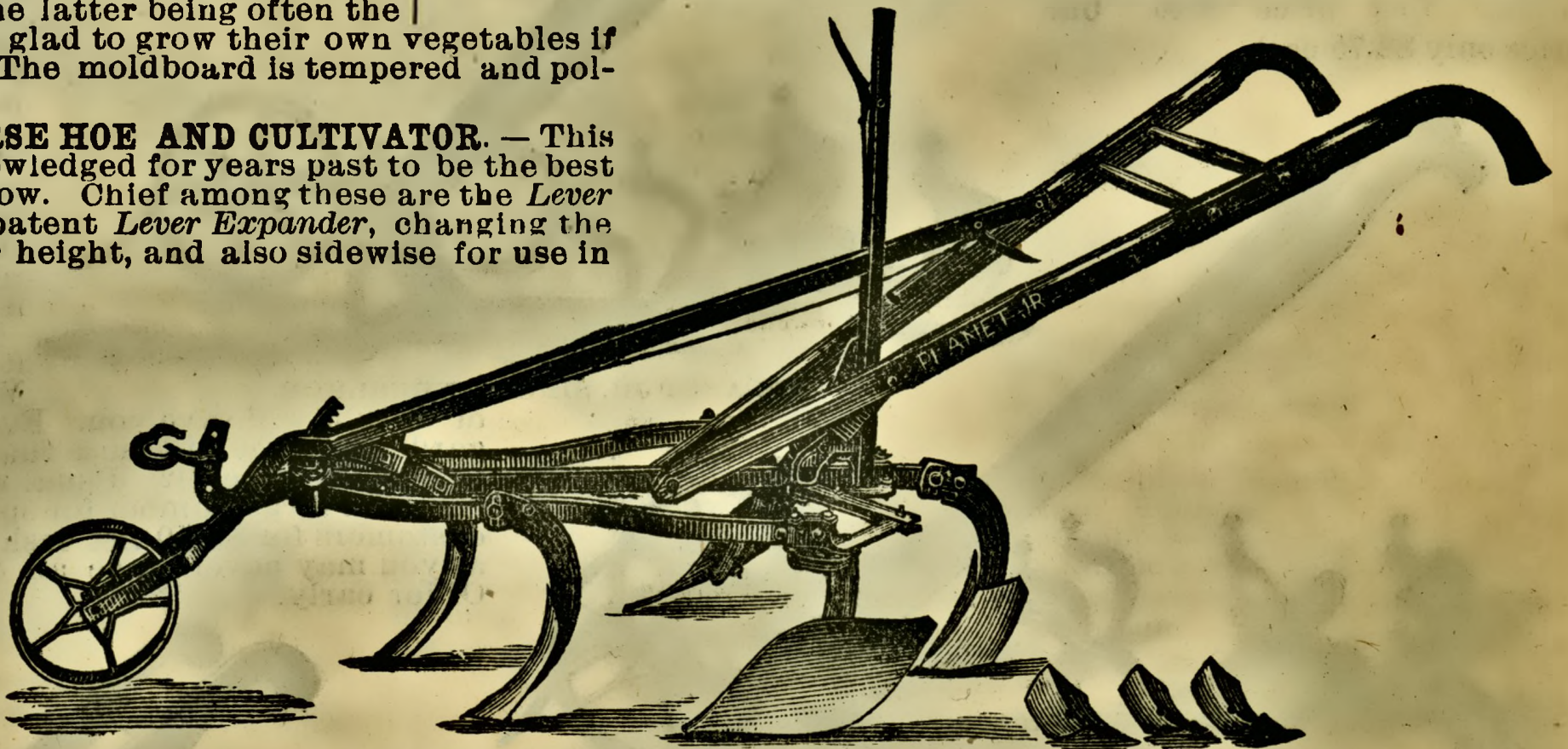
(see description), makes an excellent combination for market gardeners, and especially onion growers. List, \$9.00. Our price, \$7.20.

loose, and make sowing of difficult seed, as carrot, parsnip, beet and salsify, easy and perfect. The machine has no agitators, and hence delicate seed can be sown without danger of injury. It is one of the best machines on the market. This machine, with the "Planet Jr." Double Wheel Hoe



ROTARY CORN PLANTER.

proper depth. It is easily worked and a most satisfactory tool in every way. Price, \$1.50.



PLANET JR. HORSE HOE AND CULTIVATOR.

grapes, pole beans, blackberries, nursery stock, etc., and when covering. It also has the patent parallel frame interchangeable and adjustable *Hollow Steel* standards, reversible blades, sleeved bolt holes, etc. As a *Horse Hoe*, with the side teeth reversed, it cuts close to the row without injury to the roots, leaving but little and in many cases nothing for the hand hoe. As a *Cultivator* the reversible teeth cut off and turn over the weeds in the most perfect style. As a *Hiller*, the side teeth work in combination with the rear shovel to perfection. List price \$12.00. Our net price only \$8.00. Extra attachments: Furrowing steel, \$1.75; marking attachment, \$2.00 covering roller, \$1.75; 8-inch sweeps, 35c. each; 10-inch, 40c.; 12-inch 45c.; 15-inch, 50c.

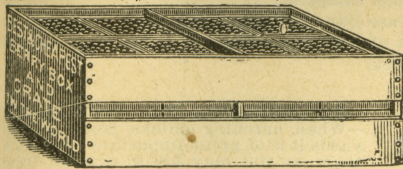
ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have only a small field or who need to replant their ground. It puts the corn exactly where you want it and at the

PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER.—For fine cultivation, either deep or shallow this tool has no equal. The recurved throat and high frame prevents clogging, and the reverse position given to the teeth in a short time by the changing of a single bolt in each. It is provided with a new 1892 *Lever Wheel*, used to regulate the depth with exactness; also with a *Pulverizer*, which leaves the ground in the finest possible condition. The *Pulverizer* is controlled by a lever that can be operated in an instant by the foot while in motion. The *Pulverizer* may be reduced in width by taking off the outside teeth, and the tool may be used to straddle a row, cultivating both sides at once. As a *Harrow*, the work done is most perfect, and with the teeth turned backward it is admirable for trashy ground and leveling, and for crops just breaking through the surface. Weight, packed 60 lbs. Price, complete, \$12.50. Our price only \$8.50; without *Pulverizer*, \$8.00.

**MONEY SAVED,
A PLANET Jr., COMBINED DRILL,
WHEEL HOE, CULTIVATOR
AND PLOW,
FOR ONLY \$8.50.**

FRUIT PACKAGES.

Being the oldest and largest dealers in the west in fruit packages we can furnish you the best stock made, at low prices.



square, size, $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$ and will hold a wine measure quart. The bottom is set up for ventilation. They are put up flat, in bundles of 500 boxes complete for shipment, and are all ready for putting together, which can be done very rapidly. We furnish 500 at the 1,000 rate, but when broken bundles are wanted the hundred price will be charged. Price per 100, 40 cts.; 1,000 for \$3.00; 5,000 or more at \$2.90; 10,000 or more at \$2.80; 20,000 or more at \$2.75.

ANNEALED TACKS—For putting together boxes (1 lb. makes 1,000 boxes). Per oz. 5c; per lb. 40c.

FORMS—To make boxes on. 35c each.

MAGNETIC TACK HAMMERS—Pick up the tacks and save much of the labor. 15c each.

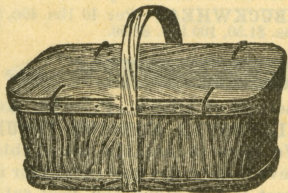
CRATES—Made of thoroughly seasoned stock, well ventilated at sides and bottom but with a tight cover to protect from dust. We always ship in the flat or "knock down." 16 quart crates per 10, 85c; per 100, \$7.25; 24 qt. crates per 10, \$1.00; per 100, \$8.50.

CRATE NAILS—Of barbed wire and far superior to any other. 12 lbs. (will make 100 crates) for \$1.00. Common 3d wire nail per lb. 4c.

WIRE STAPLING MACHINE—Undoubtedly berry boxes can be made stronger and better with these machines than in any other way, and an operator can make up 4,000 to 6,000 boxes per day. It feeds the wire from the coil, forms a double pointed staple, drives it through the box and clinches it securely all with one stroke. Our machine is the latest improved and will pay for itself very soon. Price \$38.00.

STAPLING WIRE—Per coil of 12 lbs. will make 10,000 boxes, \$1.00. Per lb. 15c.

CLIMAX GRAPE BASKET—Illustrated herewith is the best for shipping grapes, cherries, etc. It is of the standard 10 lb. size making a strong but light package. Baskets are nested for shipment with the cover and bent handles in separate packages; also used for egg baskets. Our price includes wire fasteners for cover and nails for attaching handles. Price, per 10, 50c; 50 for \$2.25; 100 for \$4.00; 1,000 for \$38.00.



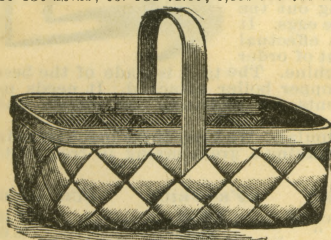
CLIMAX GRAPE BASKET.

DIAMOND MARKET BASKETS—Per doz. 50c.

DIAMOND EGG BASKETS—Similar to above but smaller. Per doz. 50c.

RE-PACKING BASKET—Three sizes holding one quart, three pints and two quarts respectively. Price, \$2.50 per 100.

IDEAL BERRY BOX MACHINE—With it you can easily make 2,500 to 3,000 boxes per day. Ask for circular. Price, \$7.00.



DIAMOND MARKET BASKET.

TO CUSTOMERS EAST OF CHICAGO.

We can ship direct from factory in Michigan to save you freight.

LANG'S HAND WEEDER—It is, in our opinion, the best weeder made. Its special advantages over all other weeders of this class is that it has a band which passes over the fingers, which when the tool is not in use, gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. It is neatly and strongly made. Price 25c; \$2.00 per doz, or postpaid for 30c each.

HAZELTINE'S WEEDER—One hour's use will repay its cost. And in any vegetable or flower garden it is simply indispensable. Its price, 35c prepaid, is not one-tenth its value for one season's use. Blade is solid steel, oil tempered, and has five sharp edges. Price, 30c; per dozen \$3.25, or postpaid, 35c each.



RE-PACKING BASKET.

HAZELTINE'S WEEDER.

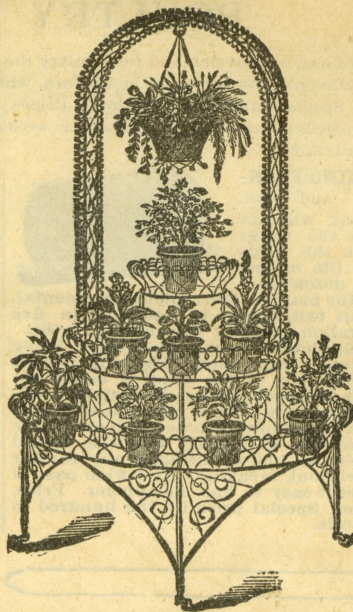
EXCELSIOR WEEDING HOOK—This instrument can be used to great advantage among small and tender plants. Price, 25c; per doz. \$2.25, postpaid.

GARDEN TROWELS—Five inch, each, 20c; 6 inch, each, 25c.

HAMMOND'S SLUG SHOT—A combination of the most potent insecticides and soluble plant food. When you order your seeds, if you have not tried Hammond's Slug Shot, order a five or ten pound package, and use it as per directions given with each package. Not prepaid, 5 lbs. 35c; 10 lbs. 65c; 50 lbs. \$3.00; 100 lbs. \$5.50; by mail postpaid, 1 lb. 25c; 5 lbs. \$1.00.



EXCELSIOR WEEDER.



Wire Flower Pot Stands.

For strength, beauty of design and superior finish our stands are unexcelled, if equaled. The legs are of solid steel, well braced; good, strong castors are used. The wires are heavy, well woven and clinched, strong enough to hold up all the flowers that can be placed on the shelves. They are nicely finished with green paint and bronze, are ornamental and durable, and weigh from fifteen to fifty pounds.

No. 10—A very popular stand well shown by the engraving, except that we usually make them with a gothic arch. Holds from twenty to thirty pots. Price, including arch and hanging basket, \$5.00. (List price is \$7.00.)

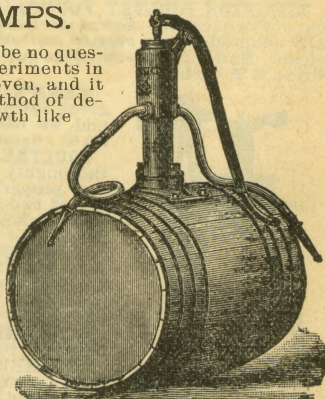
Illustrated catalogue of many other styles on application.

FLORIST'S PLANT FOOD—For greenhouse or garden use. Per 5 lbs, 60c; 25 lbs, \$1.75; 100 lbs. \$5.00. This makes a most excellent lawn fertilizer also.

SPRAYING PUMPS.

It does pay to spray; there can be no question as to it, as thousands of experiments in all parts of the country have proven, and it seems to be the only effective method of destroying insects, and fungus growth like rot and mildew.

SPRAYING PUMP No. 2—Is constructed on the most approved plan. It is double acting, so that it will throw a continuous stream. It has a patent submerged cylinder, expansion rubber bucket and a large air chamber to cushion the stroke. It is provided with two discharge ports, one or both of which can be used for spraying. The base is properly shaped to fasten either to the staves or head of barrel. As will be noticed it has a strong leverage, so that it is easy to operate and will throw a solid stream 60 feet from the nozzle, or will throw a spray fine as mist over an ordinary fruit tree. It has steel pins, brass plunger cylinder and brass-lined lower cylinder. There is a strainer on the suction pipe and a good agitator



NO. 2 SPRAYING PUMP, \$11.50.

beside the suction pipe which keeps the spraying mixture thoroughly and constantly stirred. With this outfit there is sent two five-foot length of hose and two spraying nozzles of the best pattern. It is all complete as shown in cut, except the barrel (we do not furnish barrels with any of the pumps). Price, \$11.50.

SPRAYING PUMP No. 1—Exactly like above, except that it has only one length of hose and one nozzle. Price, \$10.00.

SPRAYING PUMP No. 3—The cylinder, air chamber, and all working parts are of brass, rubber ball valves and combination spraying nozzle, stream 40 to 50 feet, for washing windows, etc., or a fine or coarse spray for plants. It has also an agitator to keep the solution thoroughly stirred. Price very low, \$5.00.

SPRAYING PUMP No. 4—A cheap pump, spray or solid stream. \$1.50.

No. 6, KNAPSACK SPRAYER—Largely advertised as the "Excelsior," and is really a most desirable machine. It consists of a copper reservoir holding about five gallons. This machine is carried on the back of a man, knapsack fashion. From five to six acres a day can be sprayed with it. Price, complete, \$12.00.



NO. 3, SPRAYING PUMP, \$5.00.

POULTRY SUPPLIES.

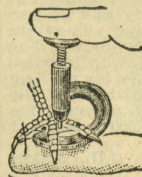
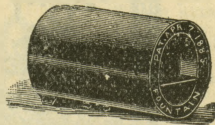
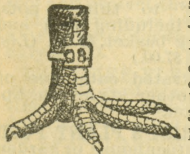
During the past year we have had a great demand for Poultry Supplies of all kinds and it has compelled us to add a full line of these. We have been particular to handle only the very best in all lines, which we are sure will please our customers, and have also tried to make as low prices as possible. Special figures on large lots. Prices subject to any important change of market. Ask for complete list of Poultry Supplies. Write for prices on anything not listed, as we have a large and varied stock.

TERMS—Invariably cash in advance.

PAUL'S STONEWARE DRINKING FOUNTAINS—

For poultry, pigeons and bees. Without pure water your stock will not thrive. These fountains keep the water cool and clean, and prevent the birds from getting wet. Saving the life of one valuable chicken will pay for a dozen fountains. The best and cheapest in the market. Convenient, ornamental, practical and cheap. The best testimonial is 50,000 sold in five years. Price two qt. size, 25c.; gallon size, 35c.; two gallon size, 50c.

THE IOWA LEG BAND—Well shown in the illustration, being made all of one piece of soft pliable, brass-band. The loop is bent up in such 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. Impossible for the bird to loosen, will not injure the leg and can be quickly removed should occasion require, and put on again any number of times without breaking. The wide part of band makes it easy to find the number. Price, 35c. per doz. Special price by the hundred to poultry shows.



PHILADELPHIA POULTRY MARKER

—When hatching chicks from several yards it is of great importance to mark them so you may know exactly from which yard they are bred. To mark them, a very small hole is punched in the web of the foot. This hole enlarges as the bird grows, and always remains. We furnish a very convenient little spring punch as shown in cut at 25c. We have two sizes, the smaller for little chicks, and the larger for those older. State which size is wanted. The best time to mark chicks is when taken from the nest.

SOFT EXCELSIOR—Cut fine from soft wood. A most useful article; largely used for packing eggs for shipment. \$1.00 per bale of 50 to 65 pounds.

SPONGIA TABLETS—For curing roup; 10c per doz.; 3 doz. for 25c, postpaid.

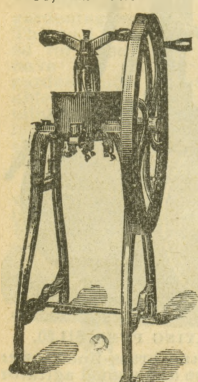
PORCELAIN NEST EGGS—5 ets. each, 50c per doz.

HEMP SEED—Used largely for feeding birds and pigeons. Per lb. 10c, 5 lbs. or more 8c per lb.

BUCKWHEAT—Per 10 lbs. 40c, 50 lbs. \$1.50, 100 lbs. \$2.50.



BROCKTON POULTRY FOUNTAIN—For poultry, pigeons, etc., it cannot be excelled. Keeps the water free from dust or dirt. Especially adapted for the crested varieties, keeping their crests dry and clean. Made of indestructible galvanized iron—will last a life-time. Price, \$1.25 each.



MANN'S GREEN BONE MILL, NO. 2—Has given splendid satisfaction wherever tried, and we have sold many of them. Price, \$19.00. Same for attaching to post, \$16.00.

POULTRY WIRE NETTING—The best make, thoroughly galvanized to prevent its rusting, properly twisted, made of No. 19 wire and of two-inch mesh. It is put up in rolls 150 feet long, and of various widths. Price per roll as follows: 18 inches wide, \$1.68; 24 inches, \$2.25; 36 inch, \$3.37; 48 inch, \$4.50; 60 inch, \$5.62; 72 inch, \$6.75; 5 rolls or more at 10 per cent discount. Half rolls at 1 cent per square foot. Less, at one and one-half cents per square foot.

GALVANIZED STAPLES—For putting up netting. Per lb. 10c.

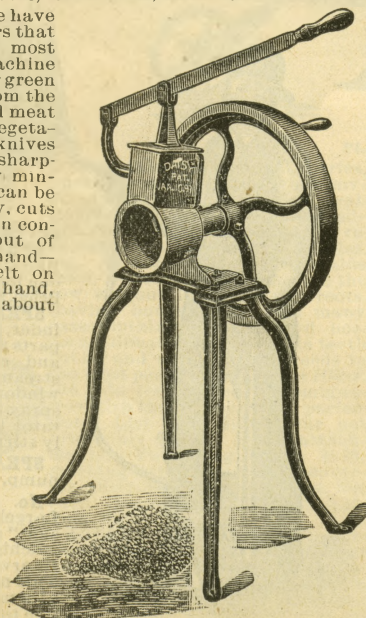
CRUSHED OYSTER SHELLS—This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Price, 10 lbs., 35c; 25 lbs. 50c, 100 lbs. \$1.50, 200 lbs. \$2.25.

DAISY BONE CUTTER—We have tried all kinds of bone cutters that we know of and this works most decidedly the best. This machine is especially made for cutting green bone with meat on, right from the butcher, or offals of bone and meat from the table; also cuts vegetables, scrap cake, etc. The knives can be taken out when dull, sharpened and replaced in a few minutes. A large or small bone can be cut up at once. Turns easy, cuts fine and fast, and is simple in construction, nothing to get out of order. Can be turned by hand—power, by running a belt on hand wheel. Capacity, by hand, 1/2 lb. per minute; by power, about 60 lbs. per hour. Weight, 130 lbs.; price \$18.00. Our price only \$16.00. Without stand for \$13.50.

CLIMAX EGG BASKET—The lightest, strongest and best basket made for shipping eggs for hatching. See cut on page 81. Price, per 10, 50c; 50 for \$2.25; 100 for \$4.00.

BISDEE'S ROUP SPECIFIC—Best cure for roup. \$1.00 per pkg, postpaid.

CRACKER CRUMBS—An excellent and cheap food for poultry, especially for young chicks. Price, \$1.50 per barrel.



FRENCH POULTRY KILLING KNIFE—

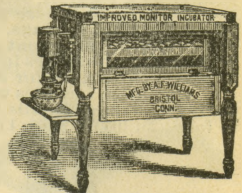
Best and most humane

method of killing. Price 50c, postpaid.

IMPROVED MONITOR INCUBATOR—

We have thoroughly tested this and believe it to be the best incubator made; at least it has given the best satisfaction of any make we have seen. The material and workmanship are far ahead of most others. The simple and quick way of turning the eggs without taking out the egg drawer prevents cooling the eggs. It has a very simple and most effectual regulator which never gets out of order and will last as long as the machine. The tank is made of the best galvanized iron and with a copper boiler attached. It needs no night watch. The arrangements for moisture are simple and effective.

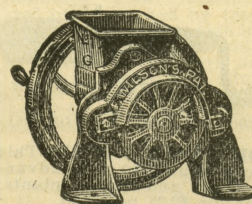
The 200 egg size is the most popular. We keep these incubators in stock and can ship promptly, making a great saving in freight to western buyers.



CAPACITY.	SIZE.	WEIGHT.	MR'S PRICE.	OUR PRICE.
100 egg	21x39	140 lbs. cr'd	\$35.00	\$25.00
200	31x45	200 "	45.00	35.00
300	37x49	250 "	55.00	45.00
400		300 "	65.00	55.00

BRISTOL INCUBATOR—There has always been a large demand for an incubator which is low in price and still reliable. A great many want a good machine and do not want to pay for as nice cases, nor fitted up as nicely as the Monitor Incubator, but still as reliable in every point. The Bristol is made by the manufacturers of the Monitor and is very much like it, except in manner of turning eggs and that it has no legs. The regulator is fully equal. It is fully guaranteed to be equal to any machine ever sold except the Monitor.

CAPACITY.	SIZE.	WEIGHT.	PRICE.
100 egg	21x39	132 lbs. crated	\$20.00
200 egg	31x45	190 lbs. crated	25.00
300 egg	37x49	240 lbs. crated	35.00



WILSON'S BONE MILL NO. 1—One of the greatest conveniences about a poultry house is one of these mills. Not only will they grind shell and bone, but are also just the thing to crack wheat or corn for little chicks; grind charcoal to mix with soft feed; grind up dry bread crusts, etc., making fine feed for the little chicks. Price, \$5.00. Our price, ONLY \$4.50.

WEBSTER CLOVER CUTTER—This new machine is a small affair but cuts quite rapidly, making eight cuts to each revolution of crank. It is also self-feeding. For a small flock of poultry this machine fills the bill. Price, \$3.00.

NEST EGG GOURD SEED—Produce hundreds of white gourds closely resembling eggs in size, color and shape. Should be grown by all poultry men. Per pkt. 5c, oz. 25c.

(Continued on Cover.)

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IMPROVED MOISTURE GAUGE—Best thing we have seen to regulate the moisture in incubators. It does the work to a nicety. Price \$1.00, or by mail for \$1.20.

IMPROVED OLENTANGY BROODER—This is a great improvement and is larger than the old style, having a capacity of 120 chicks. We have thoroughly tested these and believe them to be the best brooder made. Is much preferable to have a hen for raising chicks even where the hens do the hatching. It will pay western breeders to order from Des Moines and save heavy eastern freights. Price only \$6.25 on cars here.

TESTED THERMOMETERS—Manufactured expressly for incubators. They are not the cheap affairs often sold, but are very sensitive and accurate and have been tested. We take great pains in packing to avoid breakage, but customers must assume risk of breakage in transit. We seldom have one reported broken, however. Price 80c each, postpaid.

GAPE WORM EXTRACTOR—A most excellent little instrument, the stem of which is made of silvered wire, with loops attached to catch the worms. Price 15c each, postpaid, 4 for 50c.

CAPONIZING INSTRUMENTS—The use of these adds greatly to the profit in raising poultry. We handle only the best makes. Price, with complete book of instructions, \$2.50 per set.

PERSIAN INSECT POWDER—A splendid insecticide, but harmless to human beings. Ours is the best quality. Price, ¼ lb, 25c ½ lb, 40c, 1 lb, 75c, postpaid.

CRUSHED RAW BONE—Really better than the shell, but it will pay to use both. Of the best quality, being manufactured from fresh bones. Price, 10 lbs, 50c, 25 lbs \$1.15, 100 lbs, \$3.25, 200 lbs, \$6.00.

FINE BONE MEAL—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10 lbs, 50c, 25 lbs, \$1.00; 100 lbs, \$3.00.

SUNFLOWER SEED—One of the best egg producing foods known, and will keep your poultry in fine condition and give a gloss to the plumage. Per lb., postpaid, 30c, by express, 10 lbs. or more, 10c lb.

LINSEED OIL MEAL—A little of this meal occasionally mixed with soft food will prove a great benefit, especially if a rich, glossy plumage is desired. Price, 10 lbs, 35c, 25 lbs, 75c, 100 lbs, \$2.00.

CANADA FIELD PEAS—A very small round pea which is much liked by pigeons. Per lb, 10c, 15 lbs, or more 5c per lb.

PEEL'S POULTRY FOOD—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. Per 4 lb. pkg, 50c, 1½ lb. pkg, 25c. Postage 16c. per lb. extra.

LAMBERT'S DEATH TO LICE—A cheap and effectual remedy for all kinds of poultry vermin, lice on horses, cattle or plants, fleas on dogs, moths, etc. Price, 25c per package of about 1 lb., or by mail for 40c.

POULTRY BOOKS.

AMERICAN STANDARD—Every poultry breeder should have this for a guide if he intends to keep or show fancy pure bred fowls. Price, \$1.00, postpaid.

PHILOSOPHY OF JUDGING—A companion to the Standard. Price \$1.00, postpaid.

POULTRY FOR PLEASURE AND PROFIT—A 48-page book containing instructions for every one who keeps poultry. Price, 25c.

PRACTICAL POULTRY KEEPER—62 pages, quite complete and valuable. Price, 10c.

POULTRY BREEDERS—There is a live, progressive monthly paper published in this city called

THE WESTERN GARDEN AND POULTRY JOURNAL.

It is full of seasonable and practical items and information on poultry topics. Thousands of breeders call it the most valuable poultry paper published. If you want to buy or sell poultry its advertising columns will help you. Subscription 50c per year. Write publishers for free sample copy.

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10¢
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TOMATO 10¢ pkt.

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MELON
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