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ANNALS MCH 95

128, 1895
In May 18

LIBRARY
SERIES 3
CULTURAL AND PHYSIOLOGICAL
INVESTIGATIONS

1895

ROSE COLLECTION
GRAND ROSES

- 1 Empress Augusta Victoria 25 cts
- 2 Champion of the World 20 "
- 3 Rainbow 20 "
- 4 Dwarf Marechal Neil 15 "
- 5 Souvenir de Wooten 20 "
- 6 Clothilde Souper 15 "
- 7 Rosa Wichuriana 20 "
- and also plant of the
- 8 Solanum Jasminoides 15 "

ALL POSTPAID FOR
\$1.00

ROSES ONE THIRD NATURAL SIZE.

IOWA SEED CO.

ESTABLISHED 1871.

DES MOINES, IOWA.



Seven Grand Roses.

On the front cover of our catalogue we illustrate the seven grand varieties described below. Remember, our colored plate of roses shows them only one-third of the natural size. 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 prices named, by mail postpaid.

No. 1. EMPRESS AUGUSTA VICTORIA—The finest white rose in existence for summer blooming, and one of the "greatest acquisitions of recent years." It is a true "Tea Rose," soft pearly white, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. The habit is free; the beautiful, perfectly shaped flowers are borne in profusion on long graceful stems, so that it will be invaluable for cut flowers. Professional florists have been quick to perceive the great value of this peerless variety, and it is now more eagerly sought after than almost any rose on the market. It is a continuous bloomer, the buds being of elegant perfect shape, while the full, open flower is unsurpassed and shows no center. Very fragrant. Each 25c, 5 for \$1.00.

No. 2. CHAMPION OF THE WORLD—A remarkable new sort, which combines the most desirable qualities. It has stood the severe winters of Vermont in the open ground without the slightest protection. It is the champion bloomer, commencing to bloom as soon as potted from the propagating bench, and continues in the greatest profusion all the time. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea rose. Plants which have bloomed all summer in the garden may be potted in the autumn, and will immediately start new growth and bloom all winter in the window. Blossoms are perfectly double to the center, of good shape, both in bud and blossom, while its color is a degree of loveliness which few roses can equal, being a rich, deep rosy pink. Each 25c, 6 for \$1.00.

No. 3. 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. 4. DWARF MARECHAL NEIL—(Our Perle)—Poets never tire of singing the praises of Marechal Neil, the most famous of all roses. Its magnificent golden yellow buds are worn the world over, and the people always delight in it. This grand dwarf variety is of the easiest culture and sure to succeed for everyone. 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. The color always has a peculiar softness and delicacy not observed in any other variety. Unusually fragrant. Each 15c, 8 for \$1.00.

No. 5. SOUVENIR DE WOOTON—This superb rose is unquestionably one of the finest varieties ever introduced for either summer or winter blooming. The color is a beautiful shade of velvety crimson, equal to the noted General Jacqueminot, deliciously fragrant, a constant and most prolific bloomer, every new shoot forming a flower bud. It is a very vigorous grower, and the full open flowers are frequently six inches in diameter. It has proved hardy in the open ground as far north as southern Iowa. Each 20c, 6 for \$1.00.

No. 6. CLOTHILDE SOUPERT—A charming variety 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 fifteen to eighteen inches high. The flowers are large, very double, of perfect shape, the outer petals are nearly 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 15c, 8 for \$1.00.

No. 7. ROSA WICHURIANA—This novelty from Japan is a trailing species of very rapid growth, making a closely matted bed of very dark green foliage. The leaves are quite small, nearly round, shining and nearly evergreen. The flowers are produced in greatest profusion in July, after the June roses are past, and more sparingly throughout the season. They are single, pure white, with golden yellow stamens, from seven to nine inches in circumference, with a strong and sweet fragrance. It is an invaluable variety for beds, banks, rockeries, and beautiful, appropriate and enduring for cemetery use, not only when covered with its exquisite flowers, but also for its rich carpet effect up to the very last of the season. It will be wanted by everyone when known. It is perfectly hardy and requires no care after being planted. Each 20c, 6 for \$1.00.

No. 8. SOLANUM JASMINOIDES GRANDIFLORUM—This beautiful new plant is of trailing or climbing habit, but if desired can be cut back 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 low wall or trellis, showing hundreds of magnificent panicles of bloom. The blooms remain perfect for a long time before fading. Each 15c, 8 for \$1.00.

COLLECTION—One good strong plant each of the above seven roses and the Solanum will be sent postpaid for only \$1.00. 6 collections for \$5.00.

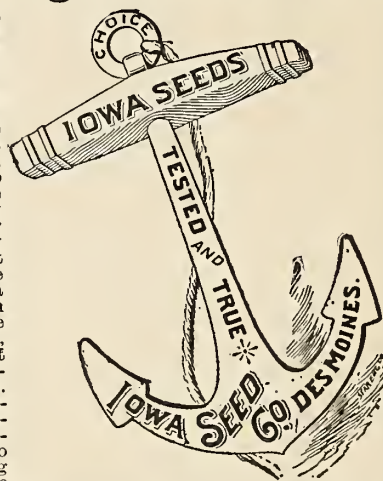
Fruit and Vegetables on Back Cover.

REDFIELD RASPBERRIES—This grandest fruit novelty of the year we are pleased to offer our customers this season, as it has never before been offered for sale, and can be obtained only from us. It originated near the town of Redfield, Iowa, and is doubtless a cross between the Turner and Mammoth Cluster. It is somewhat similar to Shaffer's Colossal in color and shape, but there the resemblance ceases. (The canes are very vigorous and unusually free from thorns or spines, being, in fact, quite smooth. The foliage is similar to the Turner, yet it propagates from the tips like the cap varieties. It throws up a great many branches of fruit from the old canes; and in our trial grounds, beside a great many old and new sorts, it yielded three to four times as much fruit as any of them. In fact, the field where they were grown was so red with fruit when viewed from a distance as to suggest the name Redfield, even had it originated in some other locality. But the crowning features of all are the unequalled flavor, which is superior to all others, and the fact that the berry is of unusually large size and holds together well instead of crumbling like the Shaffers. This holding of its shape is a grand point for market or canning, and will be appreciated by housewives. The canes do not grow as long as Shaffers, but are lower and heavy and better able to stand hard storms. It is perfectly hardy, having never been injured in the slightest, even when the temperature went to 32° below zero. Don't fail to try it this year. Each 50c, postpaid, or 10 for \$1.00 by express.

IOWA SEED CO.'S MARKET GARDENERS' BEET—This has proved to be the best general purpose beet in cultivation, and we cannot tire in sounding its praises. The illustration on the cover of this catalogue well shows its shape and color, and a description of it will be found on page 4. Don't fail to try it. Pkt. 10c, oz. 20c, ¼ lb. 65c, 1 lb. \$2.00.

NEW ASTRO CUCUMBER—This novelty has created great interest among the market gardeners and private families for several years, and made many friends. It is the largest variety that we have ever seen, with common outdoor culture growing to a length of fifteen to twenty inches, and very smooth. Its shape is well shown by our illustration. Vine a vigorous grower and very productive, producing fruit throughout the season. They are of far superior flavor to the common sorts, a clear white flesh, crisp, tender, brittle, and free from that noxious "green taste"; they are almost solid meat, being nearly seedless, and the seeds will always be high in price. Its great value, however, is to the market gardener for growing in hot-beds or greenhouse, as they make a quick crop and sell readily for \$1.00 per dozen on the market. Pkt. 10c, six pkts. for 50c.

IOWA MASTODON MELON—The most extraordinary new variety which has been offered for many years and will create a sensation wherever seen—and we control the entire stock, so that you can-



not purchase it elsewhere this year. It is from Japan, and just a few seeds were sent to a friend over in this country. This friend knew of our interest in novelties and brought in specimens of the melon. One weighed 23½ pounds and the other 25 pounds. We at once secured the entire crop, although but a few vines. The melons are of monstrous size, and greatly 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 sweet up to the rind, which is thin and 'tong' Owing to the hail and drouth this year our crop was nearly a failure, and we have such a small quantity of seed that this year we can only offer them in packets of fifteen seeds each at 25c. per packet. We desire to have as many of our customers try them as possible, but fear that the supply will be exhausted before the season is over, and should this be the case we will return money sent us for it.

PICTURE ROCK TOMATO—Many enthusiast growers pronounce this the handsomest of all tomatoes. Fruit bright scarlet, of fair size and 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 unsurpassed for market. Commences to ripen fruit VERY EARLY and continues bearing till frost. 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. It makes a handsome appearance in the market, and we are sure market gardeners will appreciate it. Its quality is extra fine, best flavor, solid, and few seeds. Pkt. 10c, 35c, ¼ lb. \$1.00.

NEW ZEALAND SPINACH—Another year adds greatly to our good opinion of this variety, and it is the people only knew what a grand vegetable it was, no garden would be without it. From seed sown in the spring, we began using the spinach in May and it was in good condition every day of the summer and until the first of November. It withstands the hot summer weather and drouth perfectly, and kept up vigorous growth when all other vegetation was withering. Seed should be sown about May first where plants to two or three feet apart each, early in a hot-bed and transplanted to two or four feet square, but they will stand frequent clipping and seem to grow the faster for it. The leaves are eaten boiled, like the other kinds, but are of superior flavor; as liked by some who cannot eat common spinach. We hope that all our customers will give the New Zealand spinach a trial. Pkt. 5c, oz. 10c, ¼ lb. 30c, 1 lb. \$1.00.

.....OFFICE OF.....

Iowa Seed Company,

613-615 LOCUST STREET.

Des Moines, Iowa, January 1, 1895.

To Our Friends and Customers:

In presenting this, our twenty-fifth annual catalogue, we wish to most heartily thank you for the orders which you have sent us. At the beginning of this, our quarter-centennial year, we are inclined to take a retrospective view. This business was started in a small way by the late Mr. S. L. Fuller, and five years later, when the present manager began his labors, it was beginning to be known outside of this locality, but we received only 300 to 500 orders per year, while now that many orders at a single mail is a common occurrence during the busy season, and our CHOICE IOWA SEEDS are well known in every state and territory as well as in a great many foreign countries, and are considered by our customers "the best in the world." From the few hundreds of plain sixteen-page catalogues we first sent out, our list has grown until we now issue as fine a catalogue as there is published in the world, with four or five exceptions, and this catalogue will doubtless be seen by half a million persons. Doubtless many of our friends, and we consider all of our customers personal friends, will be interested in our new buildings, shown on this page, which were erected this year, and you will notice what is said about them on page 17. We claim to now have the best and most conveniently arranged seed store in the west. Call and see us when in the city.

Iowa is truly the garden spot of the United States, and the soil and climate is peculiarly adapted to the 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. The crop of many kinds of seeds is very short, but we have done our best to keep prices down.

If times are hard and money is scarce this year, you should secure a good supply of seeds, put in a few hours spare time, and become a producer of the actual necessities of the family in the vegetable and fruit department. 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.

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. Seeds sold by the peck or bushel, field seeds, potatoes, implements, and other heavy goods, are sent by freight or express, purchaser paying charges.

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.

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.

SMALL ORDERS.—If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones.

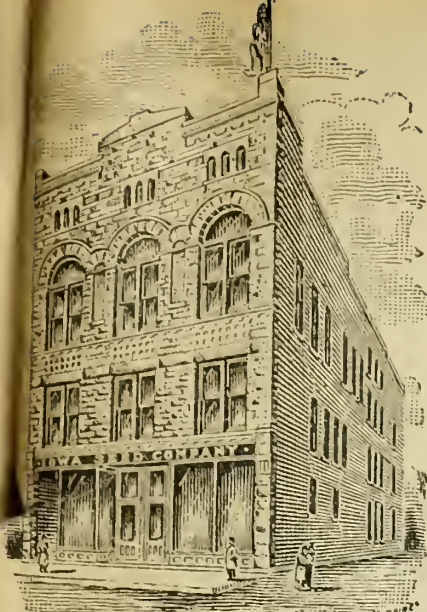
WHAT WE GUARANTEE.—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. KEEP A COPY of your order. Frequently persons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

WE ARE ALWAYS PLEASED TO RECEIVE SAMPLES OF ANY NEW, BARE OR SUPERIOR SEEDS YOU MAY SEND US FOR TRIAL.



Our New Store—44132 feet.



Warehouse A.

BEANS.--Dwarf Bush Varieties.

One quart will plant one hundred feet of drill.

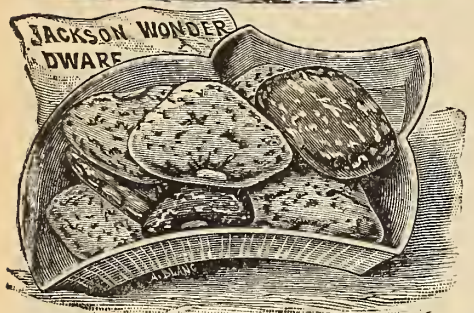
Dwarf or Bush beans require no support, and should be planted in drills an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals, and cannot be planted till danger of frost is past. Keep clean, but do not hill up or hoe when wet. A sandy loam is the best. The half-pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Crop was almost a failure on many varieties of beans this year. Price includes postage. See special prices by the peck and bushel on page 29.

JACKSON WONDER LIMA.—A dwarf variety growing from 18 to 30 inches high, immensely productive and very early. Pods broad and flat containing three or four beautiful variegated flat beans, similar in shape to the well known Lima, and in the dry state as shell beans can be used the same as the Lima, but when the pods are young they make excellent snap beans. It is not waxy, hence cooks easily and quickly, in fact fills all the requirements for a good garden variety as well as a field sort. Per pkt. 10c, ½ pt. 20c, qt. 75c.

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 yielder, each bush bearing 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Try it. Per pkt. 10c, ½ pt. 30c, qt. 85c.

DREER'S BUSH LIMA.—A dwarf growing form of the old Dreery Lima or Potato Lima which was quite popular a few years ago. It is also called Kunneler's Bush Lima. Compared with the Henderson's, this bean in its green state is fully double as large and yields abundantly. One plant in had 185 pods on. Does better on dry, sandy soil, owing to its heavy foliage. Is of the best flavor. Per pkt. 10c, ½ pt. 30c, qt. 85c.

HENDERSON'S BUSH LIMA.—Another year adds to our high opinion of this really remarkable variety. 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, produces a continuous crop from the time it comes into bearing (fit for table in this latitude by about July 15) until frost. Enormously productive; a very small patch will supply a family with this splendid vegetable throughout the season. Pkt. 5c. ½ pt. 20c, qt. 60c.



BLUE-PODDED BUTTER.—This is one of the most remarkable and strikingly odd novelties in beans ever introduced. The compact, bushy plants grow only twelve inches high and bear abundantly. The leaves and stems are of a bright purple color, which becomes more intense as the season advances and form, when covered with the pinkish-purple flowers and rich deep-blue pods, a most showy, blackish-purple bush. The entire pods cook a rich green, are very tender, stringless, and of a rich delicious flavor. Supply of seed very short. Per pkt. 10c.

SCARLET RUNNER.—This is a pole or climbing variety, but we want to call special attention to it here as its sale should be widely extended. It has highly ornamental foliage, and beautiful blossoms and pods, which are fit for wear as corsage bouquets when small. It is a prime favorite with all who are acquainted with its merits, but it is, comparatively speaking, so little known that we give it prominence, knowing as we do that everyone who tries it will be delighted. It is not only exceedingly ornamental, but of the highest usefulness, as the beans, which are very large are of the very best flavor and quality, and no bean excels the Scarlet Runner for use as a shelled or dried bean. It is richer than the Lima. The vine is so graceful and of such rapid growth as to render it one of the best for arbors, etc. The flowers are in color a brilliant scarlet, and are borne very profusely until frost comes. Per pkt. 5c, ½ pt. 20c, qt. 70c.



BURPEE'S BUSH LIMA.

Burpee's Bush Lima bean was a grand success with me this year. They are early and have a well filled pod.

JOHN P. NELSON,
Onawa, Iowa.



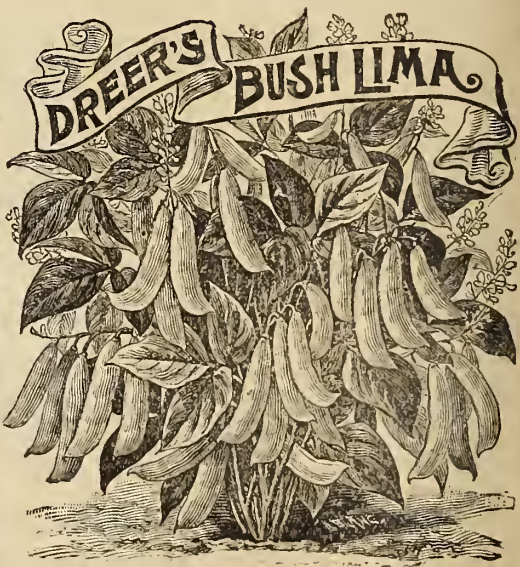
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Bush Limas:

BURPEE'S,
HENDERSON'S,
DREER'S, AND
JACKSON WONDER.

ONE PACKET OF EACH
FOR ONLY

25 Cents.





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

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



LAZY WIFE'S POLE BEAN

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.

IMPROVED GOLDEN WAX.—Possesses all the good points of the old Golden Wax, but is larger in pod and much more prolific. This improved stock is one of the handsomest beans we have ever seen, pods of dark, rich, golden yellow color and of perfect shape. It is of good quality, showing no string or coarseness, but is of tender, melting flavor at all stages of its growth. Per pkt. 5c, ½ pt. 20c, qt. 60c.

CURRIE'S RUST-PROOF 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 many of them completely ruined by rust, this bean has remained entirely free from it. Exceedingly crisp and tender, and of a most delicious flavor. As early as the Golden Wax, and it is, moreover, amazingly productive. Per pkt. 5c, ½ pt. 20c, qt. 60c.

WHITE WAX.—Pods waxy, yellow, very tender. Per pkt. 5c, ½ pt. 15c, qt. 50c.

BLACK WAX.—One of the most popular varieties with all market gardeners. Pods fleshy, waxy yellow, tender. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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.

YOSEMITE MAMMOTH WAX.—Pods frequently attain a length of ten to fourteen inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when the pods are fit for use. The pods are a rich golden color and are absolutely stringless, cooking tender and delicious. This is the Wax bean for family or market purposes. It is enormously productive, as many as 50 of its monster pods having been counted on one bush. Per pkt. 10c, ½ pt. 20c, qt. 70c.



One-half of a pod, showing size and fleshy thickness of this monster Wax beans.

IMPROVED EARLY VALENTINE.—About ten days earlier than the common Early Valentine. In addition to this, it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening, nearly the whole crop can be taken at one picking, usually within thirty-five days from time of planting. Per pkt. 5c, ½ pt. 15c, qt. 40c.

CALIFORNIA BRANCH, OR PROLIFIC TREE.—This is quite a valuable variety for field culture; grows about twenty 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.

Remember
 We pay the postage on beans
 at these prices.
Deduct 15 Cts.
 On each quart if to be sent
 by express.

The Lazy Wife's bean is the best we have ever tried. All other seeds were good.
JAMES L. BIRCHARD,
 Griggsville, Ill.

POLE BEANS.

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 are 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. 70c.

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. 55c.

LARGE WHITE LIMA.—Per pkt. 5c, ½ pt. 15c, qt. 50c.

SCARLET RUNNER.—A favorite snap bean in Europe, valuable for table use or as an ornamental vine. Per pkt. 5c, ½ pt. 20c, qt. 70c.

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. 65c.

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.



IMPROVED VALENTINE.

BEETS.

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

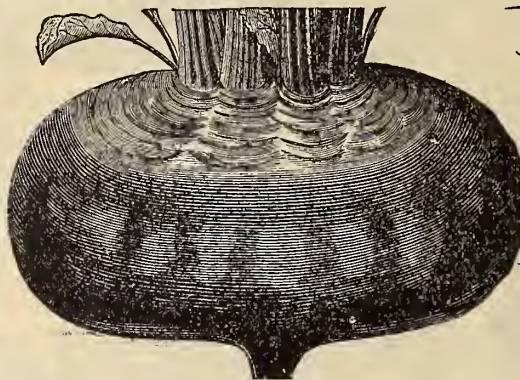
For early, sow as soon as the ground can be worked, and about the middle of May for general crop, in drills fifteen inches apart and one and a half inches deep. As the plants grow thin to six inches in drills. The young plants make excellent greens. The seed will germinate more freely if soaked in warm water 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.

WISCONSIN SEED CO.'S MARKET GARDENERS' BEET.—Undoubtedly one of the best novelties ever introduced, and it receives much praise from our customers each year. Its shape is well shown by the accompanying engraving. It is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils 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, and 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 of any we know of. Mr. E. S. Goff, of the Geneva 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. 20c, $\frac{1}{4}$ lb. 50c, lb. \$2.00

Market gardener and for the family garden of any we know of. Mr. E. S. Goff, of the Geneva 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. 20c, $\frac{1}{4}$ lb. 50c, lb. \$2.00

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety 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. Try it, and we know you will be pleased. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

EXTRA EARLY ECLIPSE.—Remarkable for its wonderfully rapid growth, the smallness of top, and extra fine quality, and is about as early as the Egyptian. Roots smooth, round, intense blood-red skin and flesh, fine grained and sweet. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.



CROSBY'S IMPROVED EGYPTIAN.



DEWING'S IMPROVED.

EGYPTIAN TURNIP.—Very deep red, tender and delicious. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ 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. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

BASTIAN'S EXTRA EARLY RED.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

EXTRA LONG DARK BLOOD.—Standards winter; smooth, tender and sweet. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

SWISS CHARD.—For greens only. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

I intend to make an exhibit at our county fair this fall of the products of your seeds which are A 1 this year.

W. A. FOX,
Portage, Wis.

CAULIFLOWER.

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. Out 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 and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. Dr. E. L. Sturtevant says that this variety stands at the head in his test of thirty-eight kinds, forming first head in ninety-seven days, and above the average in size. Our stock is extra choice and cannot be excelled. It is grown in the locality where this variety originated by a grower whom we believe to be the best in the world. 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.

SIZE OF ORDER.

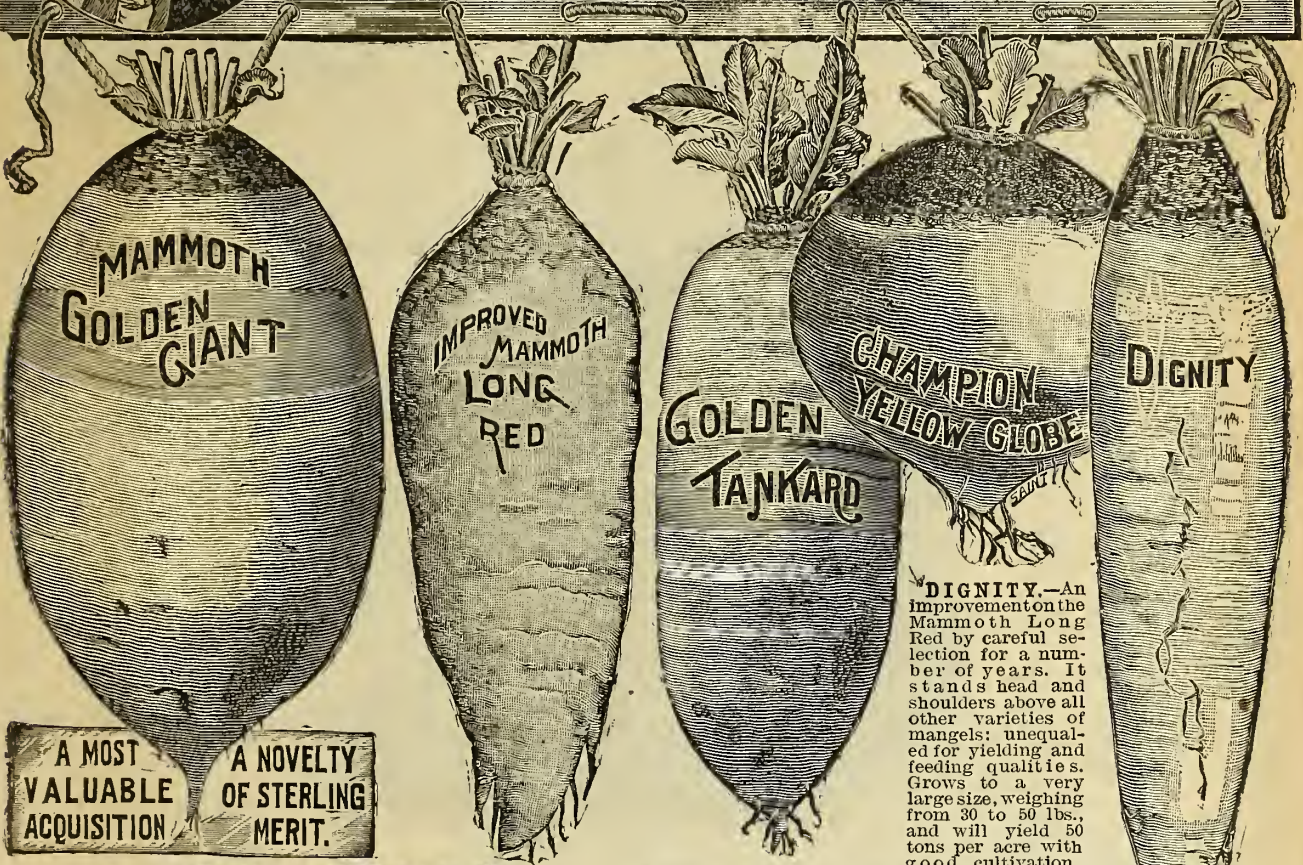
Order just what you want, even if only a single packet. We believe, however, that if you look carefully through our list you will find many that you want. You can select either flower or vegetable seeds in packets amounting to \$1.25 for only \$1.



HENDERSON'S EARLY SNOWBALL

MANGEL & SUGAR BEETS FOR STOCK.

Extensively grown in all parts of the country for feeding stock. Sow in April or May, in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer or stock raiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$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. These make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown and they help to keep stock in good condition and free from disease. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Careful analysis has demonstrated that 400 lbs. of mangels are equal to 100 lbs. of hay. Use 5 lbs. seed to an acre.



A MOST VALUABLE ACQUISITION **A NOVELTY OF STERLING MERIT.**

DIGNITY.—An improvement on the Mammoth Long Red by careful selection for a number of years. It stands head and shoulders above all other varieties of mangels; unequalled for yielding and feeding qualities. Grows to a very large size, weighing from 30 to 50 lbs., and will yield 50 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. It is very uniform, smooth, and of good shape. Should be grown on deep, loose soil. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, not prepaid, 5 lbs. \$1.75, 10 lbs. \$3.00.

MAMMOTH GOLDEN GIANT.—An improvement on all other yellow mangels, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow color. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin. Flesh white, firm and sweet, much liked by cattle. In short, a magnificent root, easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. By express, 5 lbs. \$2.25, 10 lbs. \$3.75.

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, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.75, 10 lbs. \$2.75.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensable among English dairy farmers; it is stated by them they are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, circled with yellow, but Golden Tankard is of a rich, deep yellow throughout. Early, hardy and a heavy cropper, for on account of its shape the roots can be left standing close in rows. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c. By express, 5 lbs. \$2.00, 10 lbs. \$3.50.

CHAMPION YELLOW GLOBE.—(Kinver)—Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat top. Flesh being very firm and fine-grained, renders it an excellent keeping variety. Well adapted to shallow soils. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c. By express, 5 lbs. \$2.00, 10 lbs. \$3.25.

RED GLOBE.—Like the above except color. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c. By express, 5 lbs. \$2.00, 10 lbs. \$3.25.



Sugar Beets.

VILMORIN'S IMPROVED SUGAR.—Yields the largest percentage of sugar. 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. Best of German varieties; shape well shown by cut. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

LANE'S IMPERIAL SUGAR.—For feeding stock. Per pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

Collection of Mangels. One ounce each of the above six varieties for 30c, ¼ lb. of each for 90c, 1 lb. of each for \$2.75, postpaid, or \$2.25 by express.

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

EXTRA EARLY EXPRESS

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. 25c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

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 C. L. Allen, who has grown 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, rows 3 feet apart, and 9,630 plants can be set on one acre. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.75.

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. \$2.00.

FINE RED PICKLING.—oz. 25c, $\frac{1}{4}$ lb. 65c, lb. \$2.25.

SUREHEAD.—Very reliable in heading, 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 pound, and never less than \$10 per pound. 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. \$2.50.

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

FAULTLESS.—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. 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 out heads for market in 40 days after the setting of plants. 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 of trenching for winter. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.25.

CABBAGE PLANTS.—See list of Vegetable Plants.

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.

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. Heads hard and solid, and have few outside leaves. American grown seed. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 80c, lb. \$2.50.

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.

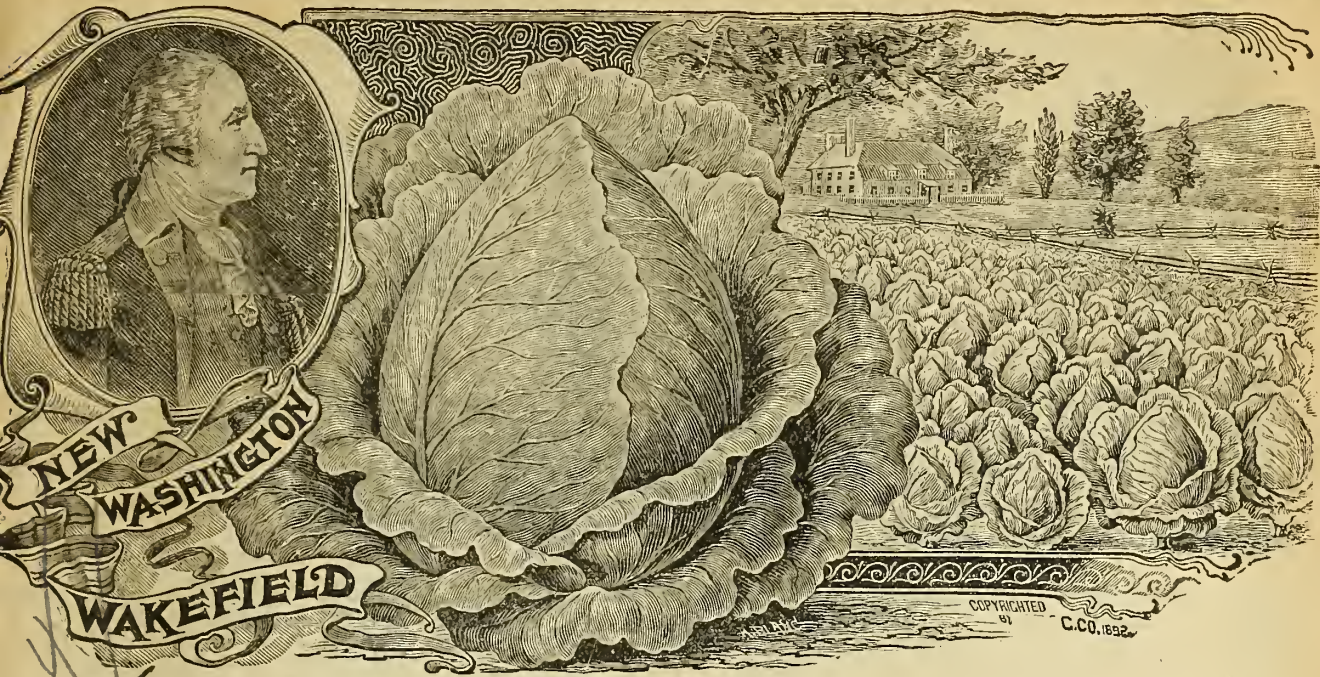
ALL SEASONS.—This most excellent variety is as early as Henderson's Summer, and makes considerably larger and harder heads. It is very reliable for heading and of superior quality. It is called "All Seasons" because it is a very superior variety to plant late as well as early, the thickness of the head 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.



Deep red color, medium size, solid; unsurpassed for pickling. Per pkt. 5c,



**BURPEE'S
ALL HEAD EARLY
CABBAGE**



NEW WASHINGTON WAKEFIELD.—For many years the Jersey Wakefield cabbage has been the most prominent early sort with market gardeners, and many attempts have been made to improve on it with heretofore but limited success. In this grand variety, which is well shown by our illustration, we have a most superior strain, well worthy of the name it bears. It is a leader, and **First in Head! First in Market! First in the Hearts of Gardeners!** It is very early, the heads are pyramidal in shape, much larger in size than the Jersey Wakefield and very solid, with few outside leaves. It grows remarkably uniform, the heads being of very even size and shape. Unequaled for either the market or family garden. Don't fail to try it this year. Per pkt. 10c, oz. 40c, $\frac{1}{4}$ lb. \$1.25, lb. \$3.75

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 that 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.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, color and weight, the result of careful and intelligent selection. It must prove 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. 85c, lb. \$3.00.

FOTTLER'S IMPROVED BRUNSWICK.—Excellent for summer and fall use. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

PERFECTION DRUMHEAD SAVOY.—Heads large and very finely curled. Finest Savoy in cultivation. The Savoys 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.

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

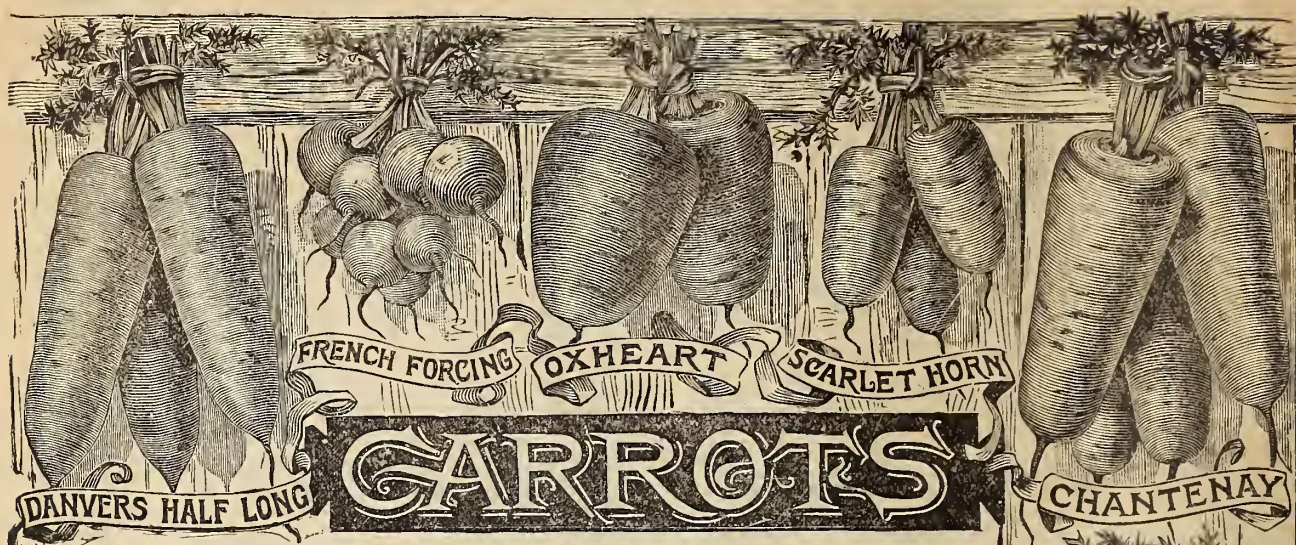
MARBLEHEAD MAMMOTH.—Largest of all; have in some instances grown to a weight of 50 pounds, and the heads of such size that they would not go into a two-bushel basket. It is a good cabbage for exhibition at fairs when grown under a high culture, but as a rule it is too loose headed and uncertain for a main crop. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.



.. NEW ..
**Short Stem
 DRUMHEAD
 CABBAGE.**

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.



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

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 stroug 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. 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. They do not require cooking. For horses there is no better alterative, and as a diuretic they are ever

worth attention. 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 from the middle of April to the first of June. A light sandy loam deeply tilled is best. A fair average yield is 800 to 1,000 bushels per acre. Our seed is saved from carefully selected stocks and is sure to please you.

EARLY FRENCH FORCING.—The earliest variety; valuable for forcing; excellent quality. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

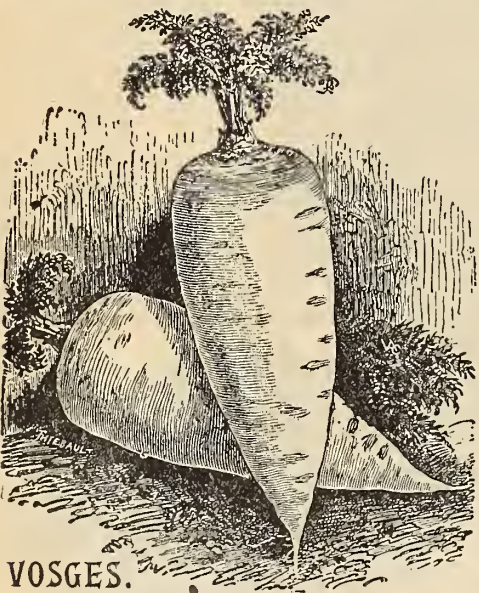
EARLY SCARLET HORN.—Favorite for early crop, but not large. Sold largely in New York markets buched. It matures eight to ten days earlier than the Danvers, and is sometimes used for forcing. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

DANVERS.—It is in form about midway between the Long Orange and the Shorthorn 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. A first class carrot for all soils, and for either garden or field culture. A rich, dark, orange color, smooth and handsome.—Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

OXHEART.—This new French carrot is one of the most valuable of recent introductions. Intermediate between the Half-Long and Horn varieties attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. Where other varieties require digging it is easily pulled. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

NEW HALF-LONG CORELESS, OR CARENTON.—A new, very early variety without core; excellent flavor for table use. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.

IMPROVED LONG ORANGE.—Standard sort for field culture and desirable for table use; roots large and customers will be pleased with them for feeding cows.



VOSGES.

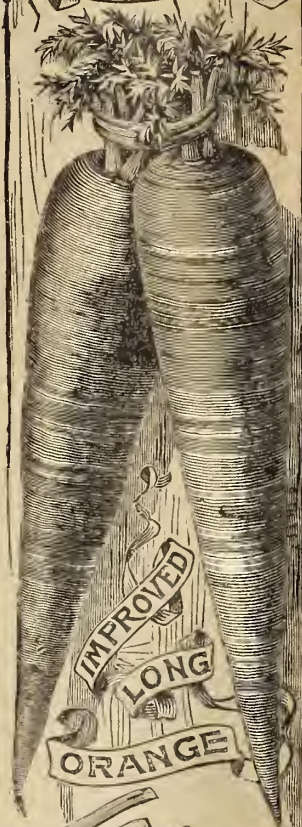
and of good quality. Our strain is extra choice, and customers will be pleased with them for feeding cows. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c. By express, 5 lbs. or more at 50c per lb.

LARGE WHITE VOSGES.—Enormously productive, grows well out of ground making it easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp, heavy yielding. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 80c. By express, 5 lbs or more, 55c per lb.

LARGE WHITE BELGIAN.—A white field sort liked in some localities. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c.

CHANTENAY.—Larger than Scarlet Horn, flesh rich orange color, finest quality, small tops: will give great satisfaction to both market and private gardeners. Medium early. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

VICTORIA.—Largest carrot grown, heaviest cropping and most nutritious variety in cultivation; roots remarkably fine, of rich orange color, symmetrical, excellent quality, possessing high feeding properties; heavy cropper on all soils, especially adapted for rich land, grows half as much weight again per acre than ordinary varieties; grows well out of ground, easily harvested. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00. By express, five pounds or more, 75c per pound.



IMPROVED
LONG
ORANGE



VICTORIA
THE HEAVIEST CROPPING
VARIETY IN
CULTIVATION

CELERY.

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 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.

NEW PINK AROMATIC.—This splendid variety which was introduced by us, will, we think, eclipse all other sorts of its class in popularity as soon as it becomes known. It was originated by a private gardener in England, and we are sure 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; 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. 40c, $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

GOLDEN SELF-BLANCHING.—This 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 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.

KALAMAZOO.—A new variety most popular in the great celery region of Michigan and one of our best. 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. 5c, oz. 30c, $\frac{1}{4}$ lb. 85c, lb. \$3.00.

WHITE PLUME.—The stalks, 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.

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

DWARF GRIMSON.—Considered by some superior to white sorts. Per pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

TURNIP-ROOTED, OR CELERIAC.—Grown exclusively for its roots which are excellent cooked and pickled, or used in soups. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.70.

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

CELERY PLANTS.—See list of Vegetable Plants.



NEW PINK AROMATIC.

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.

KALAMAZOO.—A new variety most popular in the great celery region of Michigan and one of our best. 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. 5c, oz. 30c, $\frac{1}{4}$ lb. 85c, lb. \$3.00.



GIANT PASCAL.



GOLDEN SELF-BLANCHING.

SWEET CORN.

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

Plant as soon as the ground becomes warm in the spring, in hills about 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 midsummer. We make the growing of sweet corn for seed a specialty, and are sure our stock will please you.

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 a trial and has but to be tested to be appreciated. Per pkt 5c, ½ pt. 15c, qt. 40c.

EARLY SUNRISE.—This splendid new variety which we introduced last year, originated with a market gardener in the western part of the 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. It is quite productive and of as good flavor as any corn we ever tasted. Don't fail to try it. The crop was almost an entire failure owing to the drought, so that we can offer it only in packets. Per pkt. 10c.

NEW CHAMPION EARLY.—Without doubt the earliest large corn ever introduced, being only a few days later than Cory, with ears nearly as large as the Mammoth. Ears were grown ready for table use in sixty-one days from time of planting, and they weighed one and one-half pounds each, and were 12½ inches long by 8½ inches around. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special culture. An average size is about nine inches long. It has a medium size white garden should contain at least a few hills. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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. 50c.

ACME EVERGREEN.—(Novelty 1895). A great improvement on the Stowell's Evergreen, which we have been selecting and improving in certain characteristics for many years. It is about two weeks earlier than the Evergreen; the stalks are more robust, but do not grow so tall and average two or three good ears to the stalk, which are set low. Ears are long and of uniform shape, resembling the Egyptian and have not the large butt so common with the Evergreen. Cobs are small and grain very deep. It is most thoroughly of the past season much better than any other variety of corn. Per pkt. 10c, ½ pt. 25c, qt. 75c.

SHOE PEG.—A very excellent and distinct 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. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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. 35c.

COUNTRY GENTLEMAN.—For many years the Shoe Peg has been considered the sweetest and best for family use, but it was of rather small size. After years of careful selection and growing this weak point has been made strong by a grower in the Connecticut Valley, until in the new Country Gentleman sweet corn we have a variety that produces ears of full size, retaining all the delicious sweetness and high quality of the original sort. Our illustration of a single stalk shows its great productiveness; the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels, which are of pearly whiteness, and, we cannot say too often—surprisingly sweet and tender. Per pkt. 5c, ½ pt. 25c, qt. 60c.

IMPROVED RUBY.—This most unique novelty has 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. Very tender, sweet and well flavored, hardy and productive and remains a long period in condition for use. Per pkt. 5c, ½ pt. 25c, qt. 60c.

BLACK MEXICAN.—A black-grained variety; one of the sweetest of all kinds. Per pkt. 5c, ½ pt. 15c, qt. 45c.

EGYPTIAN SWEET.—Very prolific; by many who have tried it, believed to be the best late sweet corn in cultivation. Per pkt. 5c, ½ pt. 12c, qt. 40c.

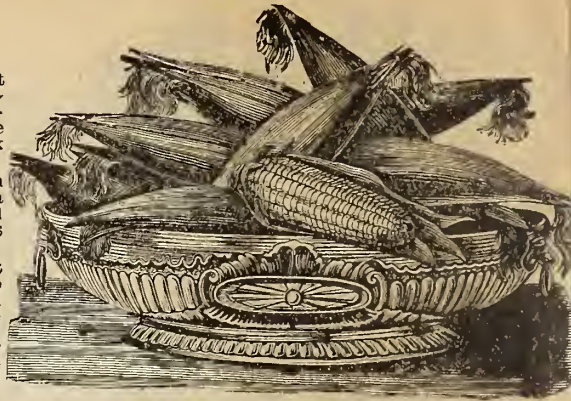
MAMMOTH SUGAR.—This produces the largest ear of any sweet corn, a single ear sometimes weighing as much as two or three pounds; quality very sweet and luscious. Per pkt. 5c, ½ pt. 12c, qt. 40c.

EVERGREEN FODDER.—Makes a profitable crop for dairy-men. Per qt. 25c.

... WE PAY THE POSTAGE ...

on corn at these prices. Deduct ten 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.

PRICES By the Peck and Bushel on Page 29.



NEW CHAMPION EARLY.



NEW ACME EVERGREEN

EARLY MINNESOTA.—The standard early sweet corn; it ripens a little earlier than Crosby's. Eight-rowed ears of good size and uniform, sweet and well-flavored. The stalks grow about 5 feet high. Per pkt. 5c, ½ pt. 10c, qt. 35c.

CROSBY'S EARLY.—A standard, medium early variety. Per pkt. 5c, ½ pt. 10c, qt. 35c.



COUNTRY GENTLEMAN.



EXTRA EARLY CORY.

CUCUMBER.

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

Cucumbers succeed best in a rich, loamy soil. For first early, sow in hotbeds, in berry boxes, or in small flower pots, six weeks before they can be set out in open ground. When danger of frost is over transplant in hills four feet apart each way. For general crop plant in open ground in May, about twelve seeds in a hill. When danger of bugs is past, thin to four strong plants in a hill. For pickling, plant in June. Sprinkle vines with plaster or air-slaked lime to protect from the bugs, and Slug Shot will kill the bugs. We are the largest growers of cucumber seed in this part of the country. Our sales one year amounted to 9,675 pounds of the three leading varieties, all of our own growing. At two pounds to the acre this quantity would seed 4,837 acres. A very reasonable estimate of the yield would be \$235.00 per acre, making a total cash value of product \$1,083,325.00, grown from our cucumber seed one year. What firm in America can equal this record?

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, ¼ lb. 30c, lb. \$1.00.

EARLY CLUSTER.—Grows in clusters. Productive and of good quality. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 75c.

EARLY FRAME OR SHORT GREEN.—Per pkt. 5c, oz. 10c, ¼ 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, ¼ lb. 25c, lb. 75c.

GREEN PROLIFIC.—Splendid pickling sort. Very productive. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



IMPROVED CHICAGO PICKLE.

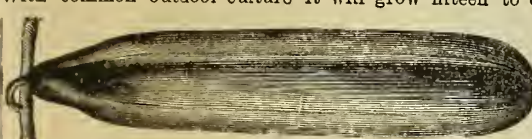
NICHOLS' MEDIUM GREEN.—A new variety, which is the result of careful selection. Fruit of medium length, nearly cylindrical, very uniform in shape, and of good color when young. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WHITE PEARL.—In habit of growth it is entirely distinct setting the cucumbers very close around the stem, and maturing these early, then afterward the vines continue to run and bear freely throughout the season. The cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and entirely free from spines. In color they are a beautiful pearly white; even the young fruits are of a very light color, nearly as pure white as when ready for use. Per pkt. 10c, oz. 25c, ¼ lb. 65c.

IMPROVED LONG GREEN.—Old standard sort, crisp, tender, good flavor. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

SNAKE.—A remarkable and very interesting curiosity. Cucumbers grow curled up like a snake with the head protruding, and sometimes are six feet in length. Although attaining great size, quality is only fair. Grown chiefly as a curiosity, and to exhibit at fairs. Packets only 10c, 3 for 25c.

NEW ASTRO.—A rare novelty, sure to excite the curiosity of your neighbors. With common outdoor culture it will grow fifteen to eighteen inches in



length, with very few seeds. Excellent for slicing. The flesh is white and very crisp. One Des Moines market gardener made

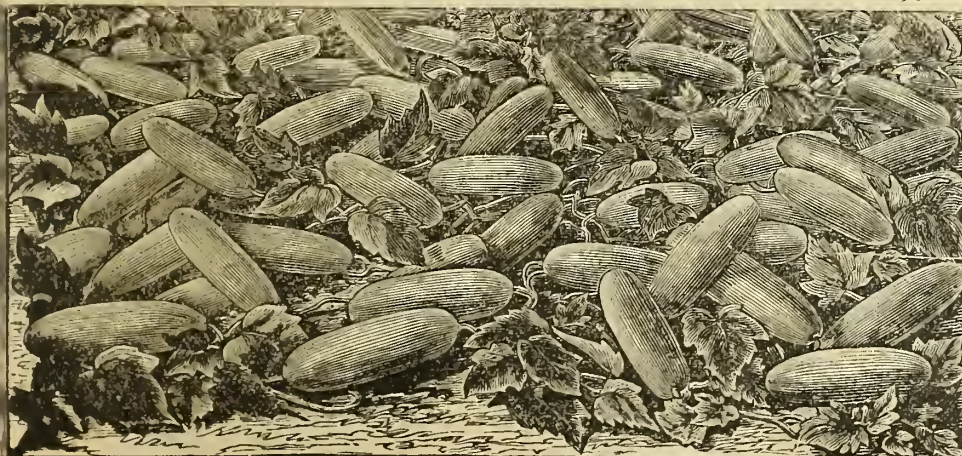
more money out of a crop of these, grown early in his hotbeds last year than from any other crop. Sell quickly at \$1 per doz. Packets only Pkt. 10c, 6 for 50c.

NEW JAPANESE CLIMBING.—This may be described as the sensational novelty of Europe. The seed was originally brought from Japan about five years ago, and has proven thoroughly adapted to open-air culture throughout Europe and America. The vines are of healthy, vigorous growth, with rich, lark 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 12 to 16 inches in length, cucumbers thick, exceedingly tender, of delicate flavor, cylindrical shape, flesh pure white, skin lark green, turning to brown and netted when ripe, of excellent quality for slicing, and when young make attractive pickles. They made a grand crop on our place this year. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.60.

WEST INDIAN GHERKIN, OR BURR.—Makes a handsome pickle of first-class quality. Be sure and try it. Per pkt. 5c, oz. 15c, ¼ lb. 50c.



JAPANESE CLIMBING.



PERFECT WHITE SPINE (From a photograph taken on our Adair County Seed Farm.)

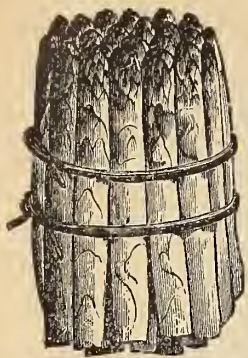
IOWA SEED CO.'S PERFECT WHITE SPINE.—Prominent horticulturists and experienced market gardeners

pronounce this variety to be undoubtedly the best strain in existence. For 15 years we have been growing and improving this variety on our seed farm, and as a result we offer to our customers this improved strain, pronounced by good judges superior to either Peerless or Arlington. Fruit of even and good size, straight, well formed and symmetrical. When small it is deep green in color, and of uniform shape, making it unexcelled for pickling. When of usual size for slicing it still holds its color, shading to light green at blossom end. As it matures it turns to a clear white, very showy for market. Immensely productive, and keeps longer solid and crisp than any other variety. Outyields any other for pickles. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00. By express, 5 lbs. or more at 75c per lb.

ASPARAGUS.—*Ger. Spargel.*

One ounce will sow forty feet of drill.

Soak the seed 24 hours in tepid water; sow early in spring, in rows a foot apart; keep clean by frequent weeding and hoeing. At one or two years old transplant to permanent beds, in rows 18 inches apart, and a foot apart in the rows. Cover four inches with light, rich soil. One or two years' time can be saved by buying the roots, of which we have a choice stock this year. See vegetable plant list.



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., ¼ lb. 40c., ½ lb. \$1.25.

CONOVER'S COLOSSAL.—The standard variety. Per pkt. 5c., oz. 10c., ¼ lb. 15c., ½ lb. 45c.

"HUB," OR MOORE'S HYBRID.—Remarkably uniform and very large, very tender and rich in flavor. Per pkt. 5c., oz. 15c., ¼ lb. 35c., ½ 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. Gartenkebel.*

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., ¼ lb. 30c.

COLLARDS.—*Ger. Blatter-Kohl.*

One ounce will produce about 3,000 plants.

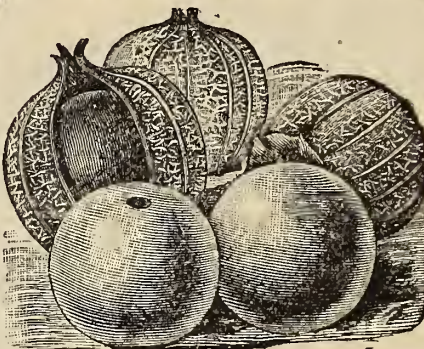
GEORGIA.—Sow seed in May; transplant and treat as cabbage. Per pkt. 5c., oz. 15c., ¼ lb. 40c.

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., ¼ 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 luscious fruit. For sauce they are excellent, and for pies nothing can equal them in flavor and taste. They are delicious as preserves, and when dried in sugar are much better than raisins for 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., ½ 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 to flavor soups. Per pkt. 5c., oz. 20c., ¼ 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 2½ 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.

EARLY LONG PURPLE.—Hardy and productive, six to eight inches long. Per pkt. 5c., oz. 25c., ¼ 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., ¼ 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., ¼ 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., ¼ 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. 25c.

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.

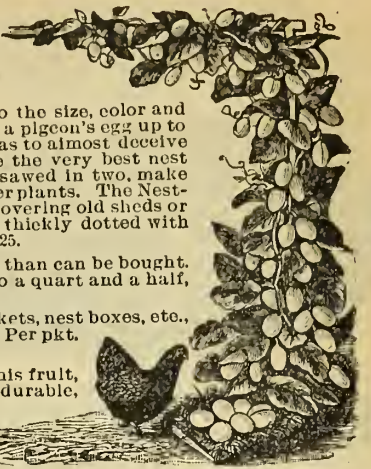
—*Ger. Essberra Hibiscus.*

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.



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.

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.

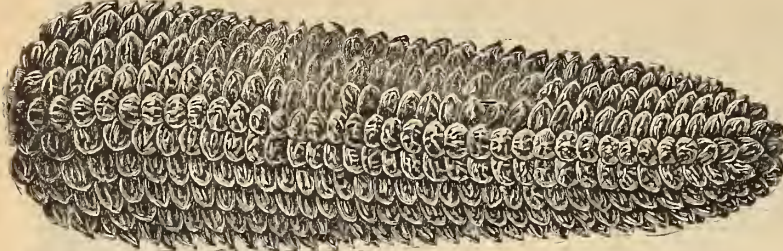
TALL CURLED SCOTCH—Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.



CHINESE MUSTARD

POP-CORN.

It pays to raise pop-corn as a general crop. It is a sure crop, and the demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three to four times the amount per acre for the crop. For main crop the Monarch White Rice will bring the best price per pound, as it is better known among the poppers. Let the children try a small patch anyway and for home use don't fail to try the Striped Rice.

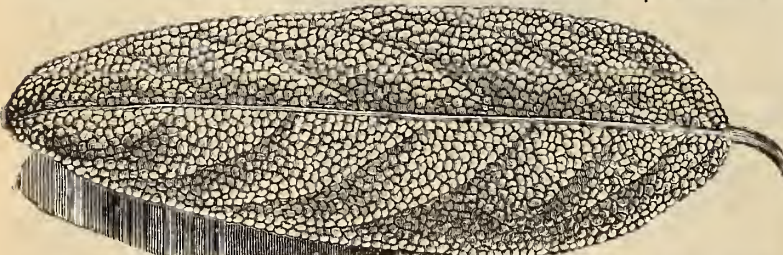


PAGE'S NEW STRIPED RICE.—This splendid variety, which is the result of a cross between the best White and Red varieties of Rice pop-corn, we have been at work improving for several years, until now we have undoubtedly the best, handsomest and most attractive variety of pop-corn in existence. "Beautiful!" "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 pkt. 5c, ½ pt. 20c, qt. 60c.

MONARCH WHITE RICE.—The best white variety grown. It bears from three to six ears per stalk, weighs 36 pounds per bushel of ears when dry, and produces 1,500 to 2,500 pounds per acre. It will pay you to try it. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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, ½ pt. 15c, qt. 50c.

QUEEN'S GOLDEN.—Color a peculiar lustrous, golden yellow; when popped, of a rich cream color; very prolific. Per pkt. 5c, ½ pt. 15c, qt. 50c.



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 3 feet in diameter. The leaves are borne well above the soil, keeping them clean; very large and of unusual substance, strong in flavor, and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen 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. The past three years we have not been able to supply the demand but this year we grew a very large number and hope to have sufficient. Price; 3 plants for 25c, 7 for 50c, or 15 plants for \$1.00, postpaid.

ORNAMENTAL POMEGRANATE.

A very interesting and ornamental little fruit, which a century ago was commonly grown in the gardens but is now rarely seen.



POMEGRANATE.

Grows on a pretty vine; fruit is round, of a bright yellow, irregularly striped with orange, red or mahogany; very fragrant; a single specimen will sweetly perfume a room for many days. Prolific and easily grown. It is often called Queen Anne's Pocket Melon. Per pkt. 5c.

READ THIS!

Please quote price on five or six lbs. of Yellow Globe Danvers onion. I purchased some from you and the same quantity from quite a number of other seed houses last season and I did not get as many good onions out of all the others combined as I did from yours. F. L. WOTTON, Darien, N. Y.



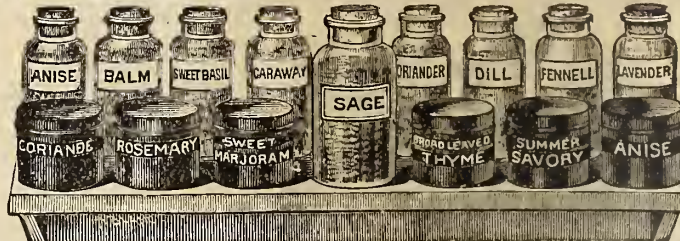
RED CROSS PEANUTS.

P.S. Peanuts can be grown in Iowa, and everyone should plant a few for themselves and children. This very desirable variety is as early as the earliest, the most hardy, very prolific and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. 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. 50c, postpaid.

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 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, ¼ lb. 70c, lb. \$2.25.
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.

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

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., ¼ 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., ¼ 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., ¼ lb. 30c.

GREEN FRINGED.—Edges beautifully cut and fringed. A good selling variety. Per pkt. 5c., oz. 15c., ¼ lb. 40c.

PRIZE HEAD.—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. Per pkt. 5c., oz. 10c., ¼ 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., ¼ 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., ¼ lb. 45c.

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



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., ¼ 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., ¼ 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., ¼ lb. 50c.

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

BLACK SEEDED SIMPSON.—Nearly double the size of the ordinary Curled Simpson; stands the summer well without becoming tough, or running to seed quickly. Is by far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners claim that our seed is worth far more than any other. Per pkt. 5c., oz. 15c., ¼ lb., 35c., lb. \$1.20.



EARLY PRIZE HEAD.



NEW GRAND RAPIDS.

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

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WALLEN BURPER & CO.

MUSK MELONS.

One ounce will plant about 50 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.

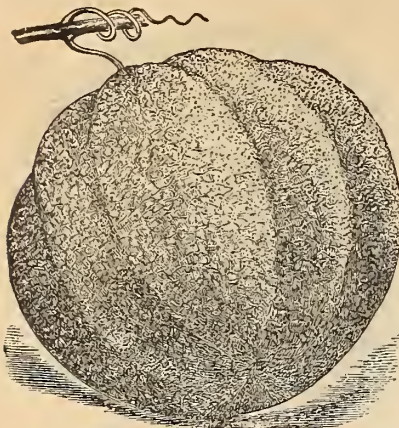
IOWA SEED CO'S IMPROVED GREEN NUTMEG.—Everybody is delighted with our improved strain of this most excellent old kind. For twelve years we have been constantly selecting and improving the old Green Nutmeg melon until now it is one of, if not the best variety of musk melon in existence. All lovers of 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. 5c, oz. 15c, ¼ lb. 30c, lb. \$1.50.

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 pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 75c.

OSAGE.—This variety has created quite a stir in Chicago, where it sells at double the prices of any other. 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 mind. The seed cavity is very small. All lovers of fine melons should try the Osage. Per pkt. 5c, oz. 15c, ¼ lb. 30c, lb. 75c.

I am well pleased with your customary promptness in filling orders, and grateful for the extra pkts. of seed sent us.
S. A. GILLEY, Marengo, Iowa.

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



I S CO'S IMPROVED GREEN NUTMEG.

THE BANQUET
—Our illustration made from a photograph well represents this extra fine new variety. It originated with C. P. Coy, the largest melon grower in the world, and he regards it as his greatest production. The flesh is dark, rich salmon color, uniformly thick and of that granulated character which always indicates a good melon. It is larger in size than the Emerald Gem and differs from that variety in its outer appearance: of perfectly round shape, the skin is not ribbed, but is densely netted over its entire surface, making it in appearance, one of the handsomest melons we have ever seen, and the quality is unsurpassed. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



THE BANQUET.

The seeds we got of you were splendid. The Improved Guernsey parsnips were the best we ever used, and the Banquet melon was superb.
MRS. JOHN SIMMS, Muchaknock, Iowa.

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 any other melon of the same size is of a sunfused salmon color, almost red, and ripens thoroughly to the extremely thin green rind. It is peculiarly crystalline in appearance, and so 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, ¼ lb. 25c, lb. 55c.

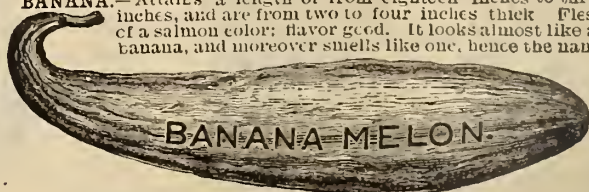


EMERALD GEM.

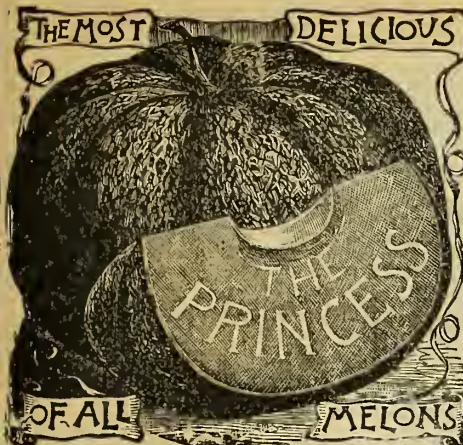


OSAGE

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 it sells well at the market. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00. You should try it.

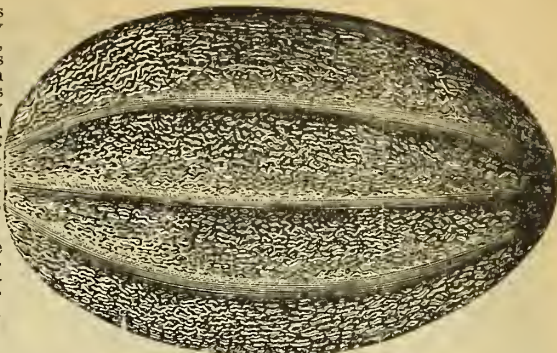


BANANA-MELON.



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, ¼ lb. 25c, lb. 80c.

IOWA MASTODON.—The most extraordinary new variety ever offered and will create a sensation wherever seen. See description on 2nd page of cover and try it this year. Per pkt. of 1b seeds, 25c.



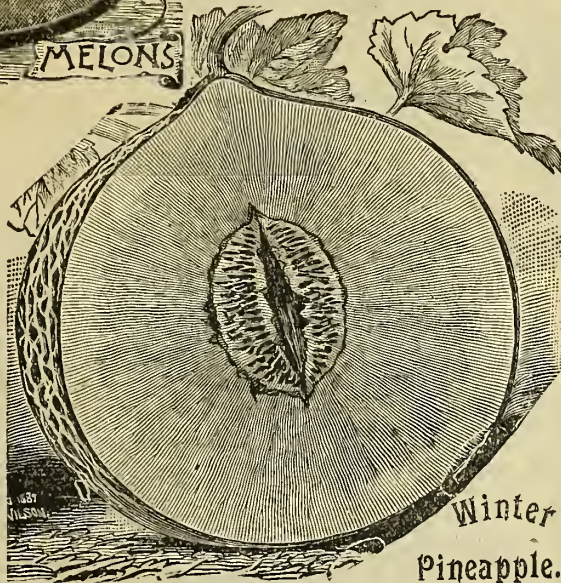
BAY VIEW.

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, ¼ lb. 20c, lb. 60c.

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 cantaloupes known. Flesh is thick, light green color, and rich, sweet flavor. Very productive. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

IMPROVED CANTALOUPE.—Large size, flesh light yellow, delicious flavor. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

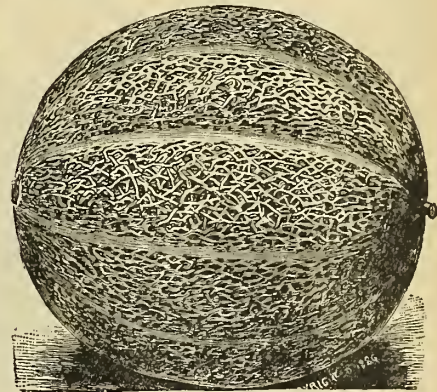
NEW WINTER PINEAPPLE.—This melon in appearance is entirely distinct from any other variety ever grown in this country. The outside skin, instead of being netted, is deeply corrugated. They have the thickest flesh of any melon, with hut a small seed cavity. Indeed they might be said to be almost solid. When ripe the outside skin is of rich yellow, intermingled with light green. The flesh is of a light green color, unusually spicy, melting and delicious. 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. 15c, ¼ lb. 40c, lb. \$1.25



SHUMWAY'S GIANT.—Of 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 15 to 20 pounds each, and select specimens weigh more. Sweet and luscious with fine, melting, thick, salmon-colored flesh. Never stringy. The flavor is pleasant, not high, nor rank. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.

MONTREAL MARKET.—Uniformly of large size, averaging from 15 to 20 pounds in weight. Flesh very thick and of fine flavor. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.

PERFECTION.—Rich color and luscious flavor. Per pkt 5c, oz. 10c, ¼ lb, 25c, lb. 75c.



CHAMPION MARKET.

OUR NEW STORE.

As a rule we do not care to talk about ourselves or our business, as the value of our Choice Iowa Seeds is an almost exhaustless theme, but at this time as doubtless a hundred thousand readers of this catalogue will be interested in our new store, we deem it only justice to them to devote a small space to it.

For the past four years we have been greatly crowded for room, and our trade has grown so rapidly that our store on Walnut street became inconvenient, and each year we have been compelled to leave storage in other localities. Last spring we had three warehouses besides our main building. During the past summer there has been erected an elegant, stone front building, size 4x133, arranged with all the conveniences for our business, and it is said to be the most perfectly arranged seed store in the west for a mail order trade. It is down in the business part of the city near the postoffice, express offices, telegraph offices, banks, etc.

The main store room is 4x68 feet, and here is kept a complete stock of nearly 2,000 kinds of seeds, besides a great variety of hand garden tools, gardeners' and florists' supplies, etc. At the rear of this room are the general offices, where the orders are hooked and much of the correspondence is done amid the busy clicking of typewriters. Here also is the desk of the president of the Iowa Seed Co. and of the bookkeeper and cashier. Immediately back of this is the private office of the manager, who has general oversight of the business. Here all purchases are made, and all catalogues and price lists prepared. This room is connected by speaking tubes with all parts of the building and

by a convenient telephone with all business firms of this city, and with most of the important towns within a radius of one hundred miles. The mail, which is almost constantly arriving on about thirty trains per day, is opened here by old and trusted clerks, and all important letters are answered before leaving the room. The orders are then assorted and after booking go to various departments for filling.

In the large back room are the offices of the receiving and shipping clerks and a place for filling field seed orders. Upstairs is the mail order department, which is in charge of the vice-president of this company, who has spent a lifetime in growing and handling seeds. Here also are the store rooms, work room, cleaning room, and the largest and most complete printing office that we know of in the United States that is connected with a seed store with possibly two exceptions. In the basement is a most excellent storage room for seed potatoes, and for filling potato orders; also for storing berry boxes, flower pots, bulbs, dormant roots, onion sets, etc. The entire building is rat-proof and lighted with electricity.

About five blocks away is "Warehouse A," which is also shown on the first page of this catalogue. It is a large building, size 66x132 feet, four stories and basement, built very strong so as to hold the immense quantities of seeds and other goods with which it is filled. It is located beside the railroad, so that cars can be loaded and unloaded at the door. Here we store large amounts of seeds, and they are hauled up to our Locust street store as needed. No orders are filled from this building except carload lots. Both buildings are supplied with electric elevators.

WATERMELON.



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 claimed 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.

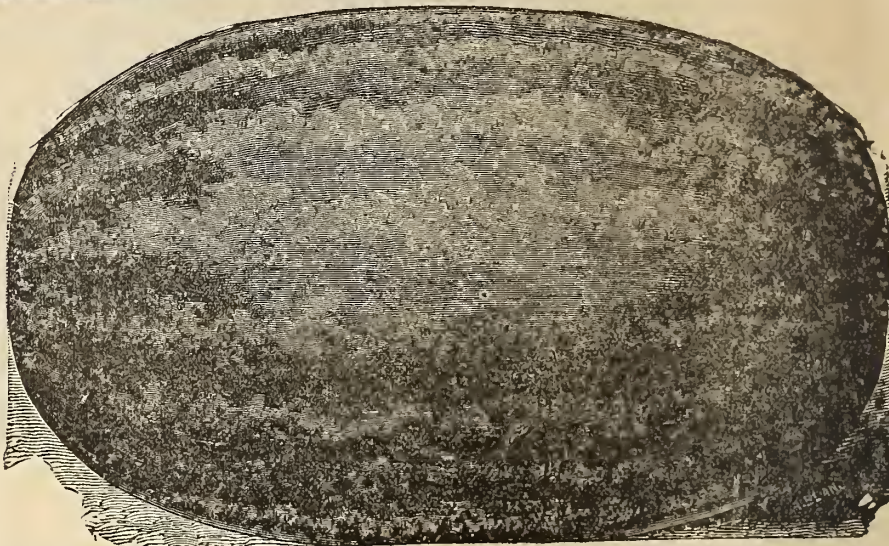
ICE KING.—The most productive, best shipper, finest quality, and unequalled by any watermelon in cultivation. We know this is considerable to say about a new variety, but it has been thoroughly tested, both in the north and south and it has proven to be all that we claim for it. It ripens about ten days earlier than Kolb's 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 Kansas, 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. 5c, oz. 15c, ¼ 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 eight to ten days earlier than either; has a remarka-

bly 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. A peculiarity is that it roots at almost every joint. This valuable characteristic enables it to withstand the drouth and greatly increases its duration and yield. 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, ¼ lb. 25c, lb. 80c.

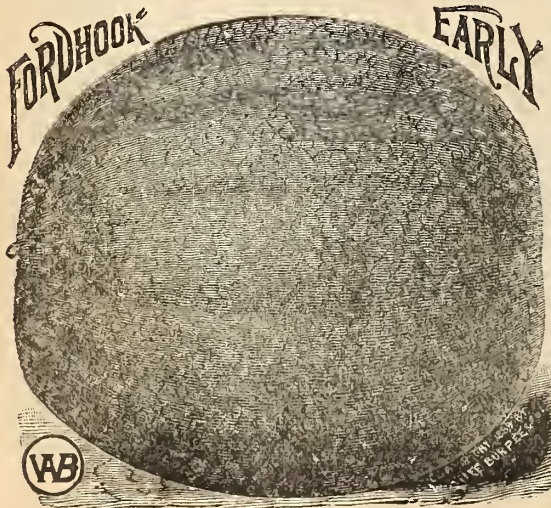
PHINNEY'S EARLY.—The melons are of medium size, oblong in shape and very uniform, the skin being mottled, as shown in illustration; flesh red and sweet. It is hardy and vigorous in growth; very productive. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

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 its 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. 15c, ¼ lb. 40c, lb. \$1.25.

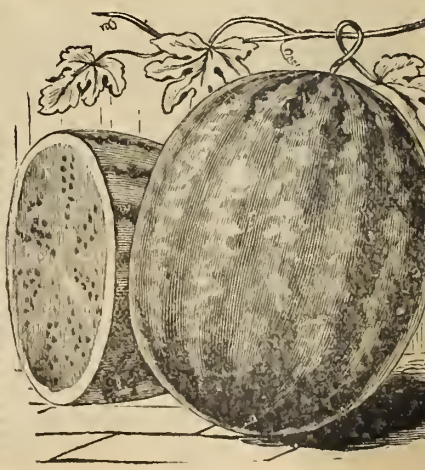


DIXIE WATERMELON.

The seeds I bought of you last year were excellent. The Dixie watermelons were just what you claim them to be.
JAMES BENTLEY,
 Boone, Iowa.

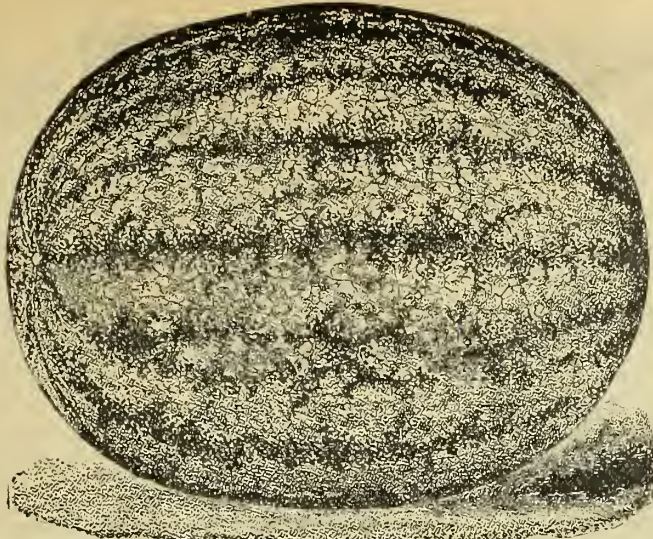


If
 You
 Like
WATERMELONS
 THE
ICE KING
 WILL
 Please You.



PHINNEY'S EARLY.

DUKE JONES.—We are pleased to introduce this new variety to our customers, believing all will be pleased with it. It originated in the great melon growing section of the south and has created great interest among the growers who have had the privilege of seeing it. The shape is well shown by our engraving. It has a dark green rind slightly striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than the Kolb's Gem. Is sure to be a favorite with melon growers. One of the largest fruit dealers in Cleveland, Ohio, says: "We had the pleasure of handling several carloads of the Duke Jones melon and they were the finest watermelons we ever had, making the best appearance and being the best eating melon." Don't fail to try it. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



DUKE JONES.

KOLB'S GEM.—This variety, on account of its earliness, and excellent shipping qualities, is largely grown for shipping purposes. They grow nearly round; dark green with narrow stripes of lighter shade. The rind, though quite thin, is very tough. Flesh bright red and of good flavor. Melons raised vary in weight from twenty to fifty pounds each. Quite productive. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 50c.

FANCY KOLB'S GEM.—Grown by one of the best watermelon specialists in the United States from carefully selected, pure stock and this seed is taken from melons weighing not less than 40 pounds each. Both ends of these melons are cut off and seed saved only from the middle part. Seed selected in this way always gives the best satisfaction and one pound of it is worth more than ten pounds of unselected seed to the melon grower who caters to the best trade. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

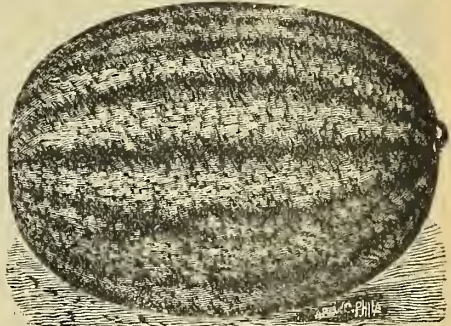
CUBAN QUEEN.—Large size, productive; flesh bright scarlet, good flavor and a good seller. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

COLE'S EARLY.—This new variety originated in Iowa, and is greatly liked by those who have tried it. Very early, sweet, delicate flavor. Flesh dark red. Per pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

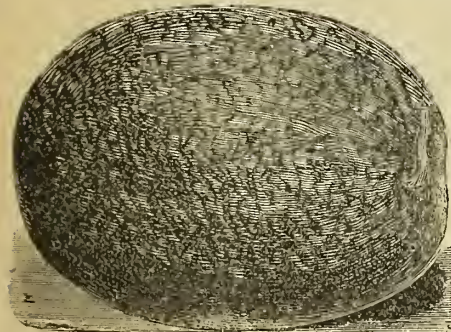
JOHNSON'S CHRISTMAS.—Have been kept until Christmas in perfect condition. Their valuable keeping and shipping qualities are due to a peculiar hard, tenacious coating or outside enameling of the skin, which also gives them an exceedingly handsome and fresh appearance. The flesh is of a beautiful rich scarlet, very solid, and of a delicious sugary flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

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.

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



KOLB'S GEM.



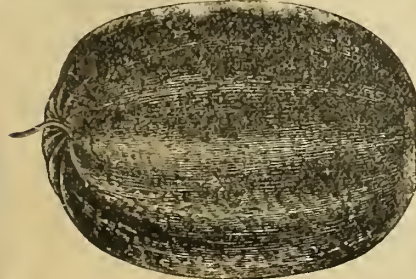
JOHNSON'S CHRISTMAS.

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. 30c, lb. \$1.00.

STRIPED GYPSY, OR GEORGIA RATTLE-SNAKE.—A favorite melon in the south for shipping to northern markets. An early variety, large, oblong, skin green, mottled and striped, rind thin, flesh crimson and fine flavored. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

PEERLESS, OR ICE CREAM.—(White seeded.)—Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. We annually sell more seed of this than any early melon on the list. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

TRUE DARK ICING, OR ICE RIND.—Very solid sort, thin rind, most delicious flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



PEERLESS.



BURPEE'S WHITE GEM.

VICK'S EARLY.—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 MELONS.

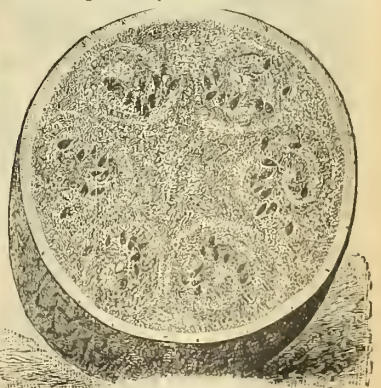
COLORADO PRESERVING.—It makes beautiful, clear, transparent preserves of perfect flavor. Very productive. Green seeds. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c, lb. \$1.25.

RED SEEDED CITRON.—The old popular sort for preserving. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

PRIDE OF GEORGIA.—Very popular with Des Moines growers. It is a dark green mottled color, nearly oval, ridged like an orange; grows partly upon its end, is firm, will ship well, attains a large size, and is very sweet and crisp. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 75c.

OEMLER'S TRIUMPH.—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. They are as easily raised as the Summer Crook-neck squash, and were not affected by dry weather where other varieties failed. (The seeds are so small they can be swallowed without the slightest inconvenience. Excellent flavor. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.)

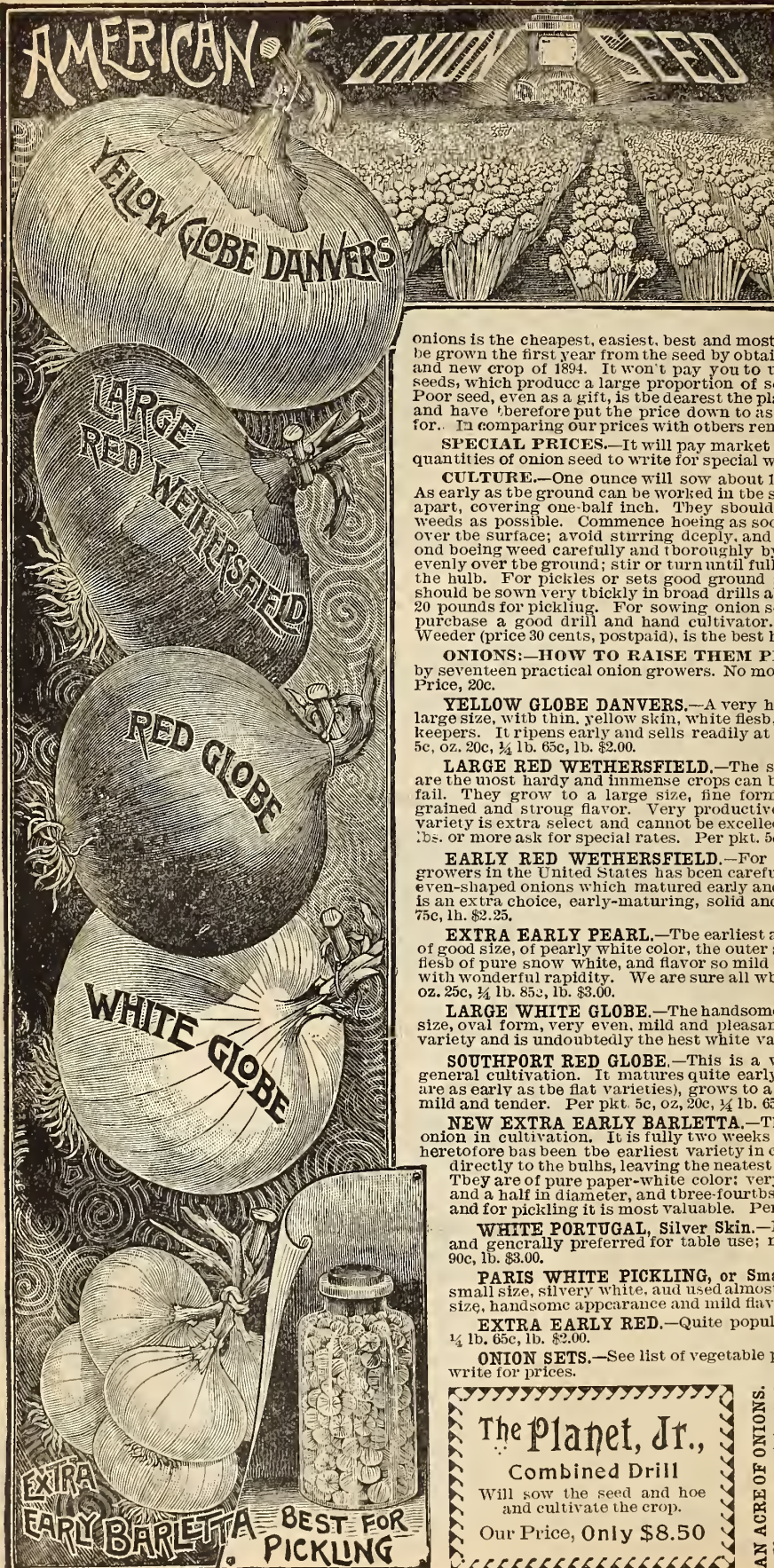
ORANGE.—A curiosity. The rind of this variety, when the melon is ripe, peels off from the flesh like the skin of an orange, leaving it a very handsome fruit to place on the table. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.



OEMLER'S TRIUMPH.

20 VARIETIES OF THE FINEST WATERMELONS, comprising all the above sorts, the largest, earliest, sweetest and best in cultivation. Grown separate and carefully mixed by us. This gives you chance to test all kinds at a low cost. Per pkt. 10c, oz. 15c. Try them.

ONIONS.



One of the most important crops grown, both in market and family gardens, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than in onions. There is more money in onions grown from the seed than in almost any other crop. Good onion seed is of the utmost importance. Fully realizing this, we have for some years made a specialty of onion seed, and have all our crop raised under special contract, subject to careful supervision. Our onion seed is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested. The crop of onion seed is very short this year and prices are apt to advance in the wholesale market, still we shall not advance our retail price as long as the present supply lasts. 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 1894. 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 for. In comparing our prices with others remember that WE PAY THE POSTAGE.

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. 20c, ¼ lb. 65c, lb. \$2.00.

LARGE RED WETHERSFIELD.—The standard sort throughout the West, as they are the most hardy and immense crops can be raised when more tender 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. 20c, ¼ lb. 65c, lb. \$2.00.

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 of regular, uniform size. The result is an extra choice, early-maturing, solid and productive sort. Per pkt. 5c, oz. 20c, ¼ lb. 75c, lb. \$2.25.

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, ¼ 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, ¼ lb. 90c, lb. \$3.00.

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, ¼ lb. 65c, lb. \$2.00.

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 an inch in thickness. Both for table use and for pickling it is most valuable. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

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, ¼ lb. 90c, lb. \$3.00.

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, ¼ lb. 65c, lb. \$2.25.

EXTRA EARLY RED.—Quite popular for early marketing. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

ONION SETS.—See list of vegetable plants and roots. If you want a large amount write for prices.

The Planet, Jr.,

Combined Drill

Will sow the seed and hoe and cultivate the crop.

Our Price, Only \$8.50

AN ACRE OF ONIONS.
If you expect to use 4 lbs. or more of onion seed this year write for Special Prices.

THE BEST HELP

In growing a crop of onions.
Matthews Seed Drill . . . \$5.00
McGee Cultivator . . . 5.00
Lang's Hand Weeder25
Onion Book25
All for \$12.50

EXTRA EARLY BARLETTA BEST FOR PICKLING



MAMMOTH PRIZE TAKER. No 1.—An American improvement on Spanish King, and is admittedly the largest of all varieties, having been grown to the enormous weight of OVER SIX POUNDS, and is without a handsome, fine-flavored sort. Of a clear, bright straw color and uniform perfect globe shape. Produces enormous crops, one report being over 1,200 bushels, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the U. S. They ripen up hard and fine, and present the handsomest possible appearance in market, while the pure white flesh is fine grained, mild, and delicate in flavor. Per pkt. 10c, oz. 3c, ¼ lb. 9c, lb. \$3.00.

GIANT VESUVIUS. No. 4.—This grand new mammoth variety, which we offered last year for the first time, is a foreign sort, well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent. Much more tender and mild than the American sorts. Per pkt 10c, oz. 3c, ¼ lb. \$.00, lb. \$3.50.

COPPER KING or Mammoth Pompeii. No. 2.—Have been grown to the enormous weight of FIVE POUNDS AND SIX OUNCES, and notwithstanding their large size they retain their shape and fine quality. To obtain 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. Beautiful copper color; flesh pure white, fine grained and mild. Per pkt. 10c, oz. 2c, ¼ lb. 7c, lb. \$2.50.

MAMMOTH SILVER KING. No. 3.—Attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from two and one-half to four pounds each. The skin is a beautiful silvery white; the flesh is snowy white, and of a particularly mild and pleasant flavor. So sweet and tender is the flesh that it can be eaten raw like an apple. Matures early, and is of uniformly large size and perfect form, and will bring a large price in the market. Per pkt. 10c, oz. 2c, ¼ lb. 9c, lb. \$3.00.

THE FOUR GIANTS
 ONE PACKET EACH OF
The Mammoth Prize Taker, Copper King, Giant Vesuvius, and Silver King,
 For only 25 cents. Don't fail to try them.

I had my onion seed from your firm last year and was well pleased with them.
 OTIS LIKENS, Brandon, Iowa.
The giant onions bought of you did well; in fact, all seeds proved very satisfactory.
 ED. BOLAND, Williamsburg, Iowa.

BIG ONIONS Be sure to include the **FOUR GIANT ONIONS** in your order this year, and try for that **\$10 PRIZE** which we offer for the largest onion grown from our seed this year, which must be delivered to us by the 20th. of October

The \$10.00 prize for 1894 was awarded to S. Strait, of Bison, Kansas, for an onion weighing one pound and nine ounces. Try for the prize this year and you can perhaps raise a larger one and get the ten dollars. **\$10 PRIZE** Try the four giants this year.

PEAS.

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. 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.

Prices include postage. Pints at one-half the quart rates. Fifteen cents per quart discount if sent by express. See special prices by the pack or bushel on page 29.

REED'S EARLY PRIZE.—A cross between Tom Thumb and the Advancer. Grows eighteen 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, insures its future. Per pkt. 5c, ½ pt. 23c, 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, and of delicious flavor; full grown pods often measure four inches and mature very uniformly, so that nearly the entire crop can



REED'S EARLY PRIZE.

which needs no bushing. It is very sweet and in length by over two inches in circumference and may be taken at one picking. All should try it. Per pkt. 10c, ½ pt. 25c, qt. 75c.

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

***YORKSHIRE HERO.**—Per pkt. 5c. ½ pt. 12c, qt. 40c.

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

***TELEPHONE.**—Immensely productive, of the finest quality and excellent, sugary flavor; vines very strong, the pods are of large size, with six or seven large, delicious peas; height four feet. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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

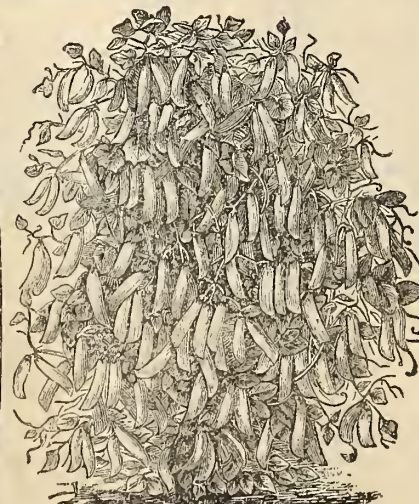
***BLISS EVERBEARING.**—Height two feet; late to very late; hardy, vigorous, enormous cropper; pods and peas of large size and good quality. Per pkt. 5c, ½ pt. 15c, qt. 50c.

***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. Per pkt. 5c, ½ pt. 15c, qt. 50c.

***IMPROVED ADVANCER.**—Per pkt. 5c, ½ pt. 15c, qt. 45c.

BLACK-EYED MARROWFAT.—Per pkt. 5c, ½ pt. 10c, qt. 30c.

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



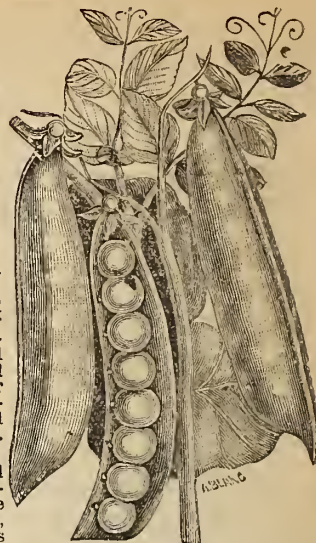
NOTT'S EXCELSIOR.

***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 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. 5c, ½ pt. 23c, qt. 65c.

FIRST AND BEST.—It is an improvement on the Philadelphia Extra Early. Pods good size and well filled with smooth peas of excellent flavor. Per pkt. 5c, ½ pt. 12c, qt. 43c.

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

FIELD PEAS.—See list of Miscellaneous Field Seeds.



IOWA CHALLENGE.

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. 45c.

CLEVELAND'S ALASKA.—Height two feet, pods rather small, 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 ninety per cent of the pods can be gathered at the first picking. Per pkt. 5c, ½ pt. 12c, qt. 40c.

***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. The most popular sort for family use. 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. 20c, qt. 60c.

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. 15c, qt. 40c.



AMERICAN WONDER



PUMPKIN.

One pound will plant about 250 hills.

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

MAMMOTH CHILI.—(See cut No. 1.) 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. One specimen weighing 481 pounds was shown at the World's Fair, having been grown in California, and from 100 to 200 pounds is a common weight with ordinary culture. Our seed has been selected from the large and perfect specimens only of our own growing. The flesh is a rich yellow, very thick and of excellent quality, highly nutritious. They are profitable to grow for stock feeding. They keep well throughout the winter, Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

KING OF MAMMOTS.—(No. 2.) The largest variety of true pumpkins. The flesh and skin are of a bright golden yellow, fine grained and of good quality. The one from which our cut was made 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? Our seed was saved from large select specimens of our own growing. Per pkt. 10c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

TRY THE COLLECTION OF

. . . MAMMOTH PUMPKINS!

One packet each, Mammoth Chili, King of Mammoths, Mammoth Tours, and Mammoth Etampes for **ONLY TWENTY CENTS.**

\$25 PRIZE! We send with each collection, instructions for growing, and offer a cash prize of \$15.00 for the largest pumpkin or squash, and a prize of \$10.00 for the second largest one grown from our seeds. Prizes will be awarded October 15th.



MAMMOTH TOURS.—(No. 3.) Also called Mammoth Whale. Originated near Tours, France, where it is largely grown, both for feeding cattle and for table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Color outside an ashy grey, or pale green, showing an inclination to be striped, but most specimens are more blunt at blossom end than our cut shows. Flesh of a salmon color and fair quality. Seed of peculiar shape. Seeds have sometimes been sold at fairs at 10 to 25 cents each. Per pkt. 10c, oz. 20c, ¼ lb. 50c, lb. \$1.75.

MAMMOTH ETAMPES.—(No. 4.) A giant variety from France, where it is quite celebrated. Grown in this country to enormous size; bright, glossy red color, and a splendid variety to grow for exhibition. Per pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

JAPANESE PIE.—Flesh very thick and of a rich salmon color, nearly solid, the seed cavity being small; fine grained, dry and sweet, making pies as rich without eggs as other varieties do with. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

CONNECTICUT FIELD.—The common field or cow pumpkin, grown principally for stock. Per oz. 5c, ¼ lb. 10c, lb. by mail, 30c. By express or freight, 10 lbs. \$1.50, 25 lbs. \$3.25.

WHITE CUSHAW.—Attractive and sells much better than the old green striped sort. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

TENNESSEE SWEET POTATO.—Medium size, flesh thick, creamy white, fine grained and of excellent flavor. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

LARGE CHEESE.—A flat variety commonly called Sweet Pumpkin throughout the west. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

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 smaller and very sweet. One of the best varieties for table use. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

PRIZES FOR 1894. Both first and second prizes were awarded to Ira C. Eldridge, Ottumwa, Iowa for pumpkins weighing one hundred and fifty six and one hundred and thirty-eight pounds. The dry season prevented their growing larger.

RADISH.

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

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 two or three inches apart as soon as the rough leaves appear. Most of our radish seed was grown for us in France, "the natural home of radishes," and we think it cannot be surpassed.

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.

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 is a pure, waxy white. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

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, you can depend on a remarkably perfect, early and uniform crop.

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 and excellent shape; certain to insure ready sale.

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. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.10.

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 the 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. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.10.

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. \$1.00.

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. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

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. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

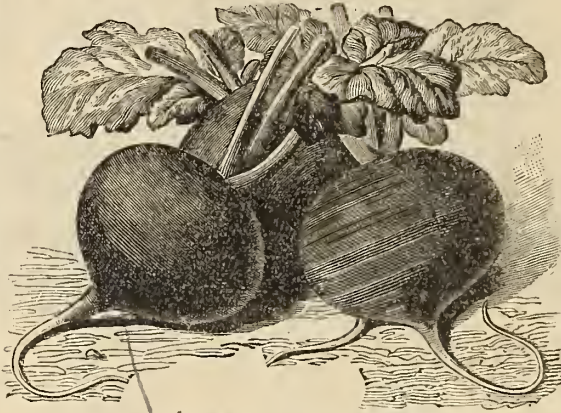
LONG BLACK SPANISH.—A popular winter sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.



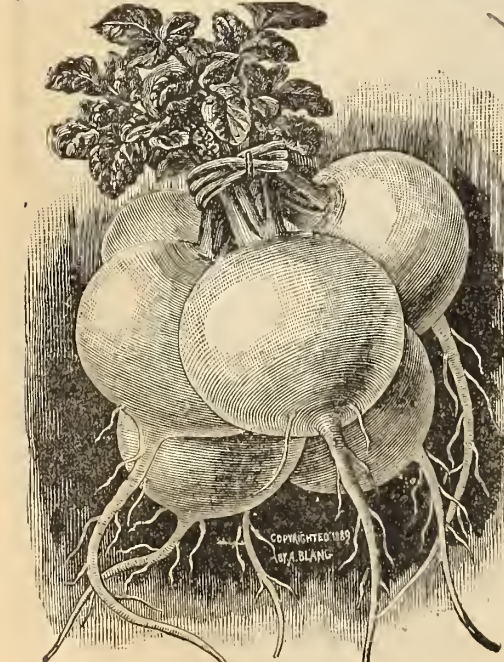
IMPROVED CHARTIER.



VICK'S EARLY SCARLET GLOBE.



NEW GOLDEN DRESDEN.



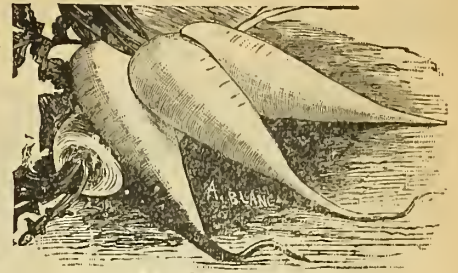
MODEL WHITE BOX.



Consider This!

If you have a small patch of ground, no matter how small, there is no way in which you can get as much satisfaction out of it as by growing lettuce, radishes, etc. Their greatest merit consists in being FRESH AND CRISP.

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, ¼ lb. 25c, lb. 75c.



WHITE STRASBURG.

GOLDEN GLOBE.—One of the best summer radishes, amber flesh, and keeps long in good condition; extra fine quality and rapid growth. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

ALL SEASONS.—Introduced by us in 1890 and proved a valuable 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, stump 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, ¼ lb. 30c, lb. \$1.00.



GOLDEN GLOBE



PERP. WHITE SUMMER.—One of the best summer radishes, 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, ¼ lb. 30c, lb. \$1.00.

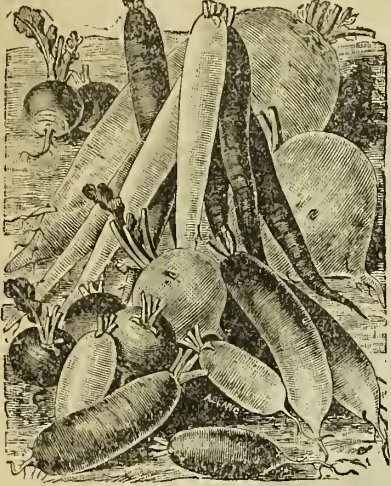
The Chartier radishes from your seed are simply superb. J. FULKERSON, Andover, Mo.

I used your seeds last year and liked them very much. MRS. T. G. SMITH, Peru, Ia.

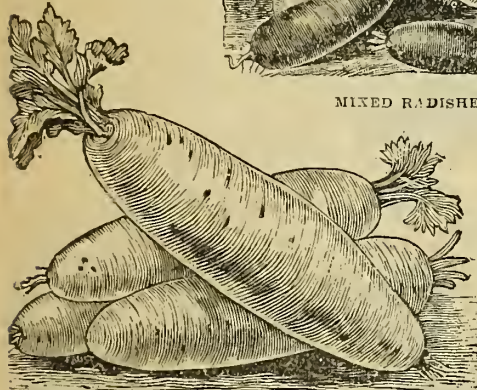
From seeds purchased of the Iowa Seed Co last year I was enabled to win four prizes on vegetables at our county fair. Seeds are always satisfactory. HENRY WEST, Rhodes, Iowa.

IOWA SEED CO.'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 for home use. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.25.

MIXED RADISHES.—This is a mixture of over twenty choice varieties of early, medium and late radishes. You will certainly have radishes all summer and be surprised at the results, if you give it a good place in the garden. For several years we have sent out large quantities of this mixture, and our customers have been much pleased with it. Our illustration will give you some idea of the possibilities from a packet of this seed. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



MIXED RADISHES.



ALL SEASONS RADISH.

Guernsey stock parsnip, which is not good for table use. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper; the roots are smooth, with a deep hollow crown and 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. Crop very short this year. Per pkt. 5c, oz. 20c, ¼ lb. 50c, lb. \$1.50.



RUBY KING.

Per pkt. 5c, oz. 20c, ¼ lb. 65c.

RED CHILL.—Small, very hot. Used everywhere for pepper sauce. Per pkt. 5c, oz. 20c, ¼ lb. 60c.

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. Excellent for pepper sauce. Pkt. 10c, oz. 50c.

LARGE BELL or Bull Nose.—An early standard sort. Per pkt. 5c, oz. 20c, ¼ lb. 65c.

SWEET MOUNTAIN or Mammoth.—Similar to above, but milder. Per pkt. 5c, oz. 20c, ¼ lb. 65c.

RED CAYENNE.—Per pkt. 5c, oz. 25c, ¼ lb. 90c.

PARSNIP.

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 the roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper; the roots are smooth, with a deep hollow crown and 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. Crop very short this year. Per pkt. 5c, oz. 20c, ¼ lb. 50c, lb. \$1.50.

LONG SUGAR or Hollow Crown.—The standard for either table use or stock feeding. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

PEPPER.

One ounce will produce about 1,500 plants.

Sow seed in hothed 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 are very mild in flavor. Per pkt. 5c, oz. 25c, ¼ lb. 80c.

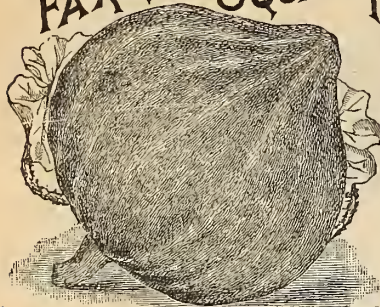
RUBY KING.—The peppers frequently attain to a very large size, 4½ to 6 inches long, by 3½ to 4 inches thick. When ripe they are of a beautiful bright ruby red color, and are always remarkably mild and pleasant to the taste. Each plant produces from six to twelve large handsome fruits. Per pkt. 5c, oz. 20c, ¼ 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. 5c, oz. 25c, ¼ lb. 85c.

RED CLUSTER.—Similar to the Chill, but smaller and more productive. Per pkt. 5c, oz. 20c, ¼ lb. 65c.



THE FAXON SQUASH



COPYRIGHT, 1893, BY M. B. FAXON CO.

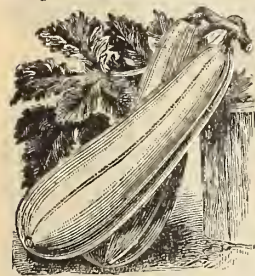
WHITE BUSH SCOLLOPED.—Similar to the Golden Bush. Color creamy white. Per pkt. 5c, oz. 10c, ¼ lb. 20c, 1b 60c

WHITE CHESTNUT.—The shape of this very distinct new variety is well shown by our 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; size and form much like the Hubbard, fully equaling it in productiveness and keeping qualities. This squash is creating quite a furore in the eastern states, where gardeners pronounce it the very best squash they have ever grown. Per pkt 5c, oz. 10c, ¼ lb. 30c, 1b. \$1.00.

EARLY PROLIFIC MARROW.—Very early and productive—the two most important features for the market gardener—while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Per pkt. 5c, oz. 10c, ¼ lb. 30c, 1b. \$1.00.

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 it weighs from thirty to fifty pounds. Dark green color, magnificent bearers, for fall and winter use. Per pkt. 5c, oz. 10c, ¼ lb 35c, 1b. \$1.20.

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, ¼ lb. 50c, 1b. \$1.50.



VEGETABLE MARROW.

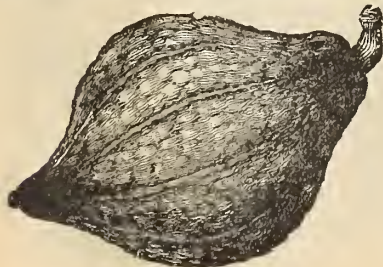
AMERICAN TURBAN.—It is fine grained, very dry, sweet, and of delicious flavor. For fall and winter use. Per pkt. 5c, oz. 10c. ¼ lb. 25c, 1b. 80c.

MARBLEHEAD.—A splendid winter variety, shell very hard, of a light blue color; flesh equal to the Hubbard in quality. Per pkt. 5c, oz. 10c, ¼ lb 25c, 1b 75c.

VEGETABLE MARROW.—A favorite English sort. The fruit is 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, ¼ lb. 50c, 1b \$1.50.

HUBBARD.—This old variety has for years stood the test of all rivals, and is the most popular winter squash grown; hard, green shell, flesh bright orange yellow, fine grained, very dry, sweet, and of a rich flavor; keeps in perfect condition throughout the winter. Our seed is of our own growing and extra select. Per pkt 5c oz. 10c, ¼ lb. 25c, 1b 75c

SIBLEY, OR PIKE'S PEAK.—It originated in Iowa. Claimed to be a great improvement on the Hubbard. 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. Per pkt. 5c, oz. 10c, ¼ lb. 25c, 1b. 80c.



HUBBARD.

SQUASH.

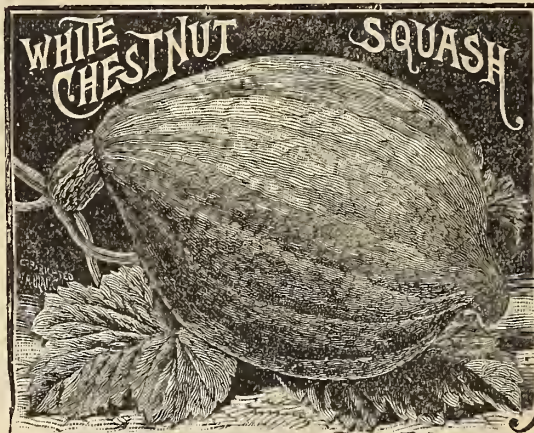
One ounce early varieties will plant about forty hills; one ounce late will plant twenty hills; four to six pounds to the acre

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.

THE FAXON.—(New.) The flesh is a deep orange yellow, cavity very small and seeds few; the special peculiarity, however, is that while uncooked it appears to have a shell like any squash, when cooked there is practically none, the shell or inedible part being only about as thick as a sheet of writing paper. One of the best squashes we ever tasted, sweet and very dry, and for squash pies it must be tried to be appreciated. It matures early and can be used as a summer squash. It is a very late keeper, keeping in perfect condition to April or May. Of superior quality whether it is ripe or green. This is a very desirable feature, as many squashes (the Hubbard especially) must be thoroughly ripe before frost, or the crop is lost. Productive, of medium size and the best possible quality. The vines are somewhat longer than most other sorts and fruit varies in color but these seem to be its only defects. Per pkt. 5c, oz. 20c, ¼ lb. 65c.

GOLDEN BUSH.—It is thicker, larger and superior in every way to the old varieties. Very early. Per pkt 5c, oz. 10c. ¼ lb 20c, 1b 65c.

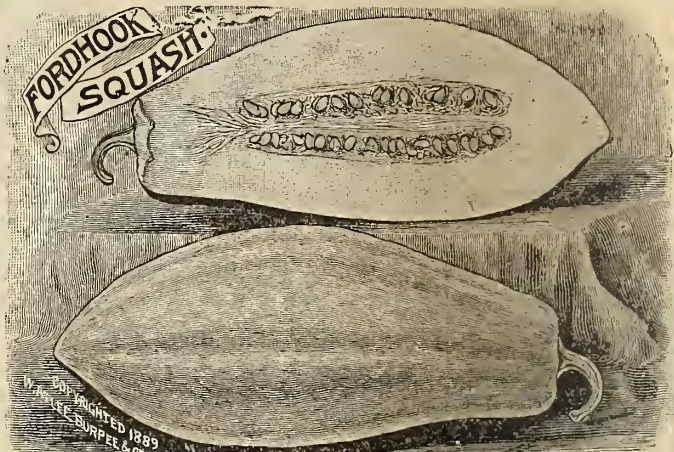
EARLY BUSH CROOKNECK.—Splendid summer sort, early, productive, very fine quality. With all the new varieties recently brought out, many claim that there is no summer squash superior to this. Per pkt 5c, oz. 10c, ¼ lb 20c, 1b. 50c.



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, it keeps in perfect condition throughout the winter. The stem is thin and hard, and also the roots, consequently it is 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. Per pkt 5c, oz. 10c, ¼ lb. 30c, 1b. \$1.00.

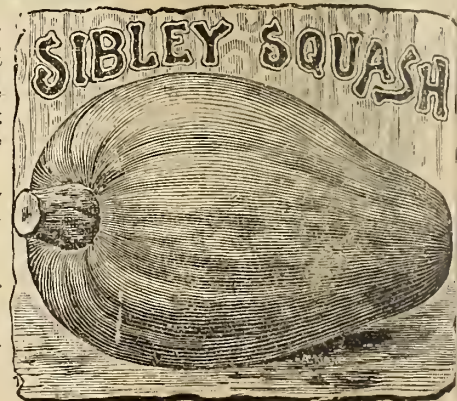
ESSEX HYBRID.—A most excellent variety. It is the earliest of the winter sorts, and can therefore be planted later in the season than most others. Per pkt 5c, oz. 10c. ¼ lb. 25c, 1b. 85c

BOSTON MARROW.—Per pkt. 5c oz. 10c, ¼ lb. 20c, 1b. 65c.



FORDHOOK SQUASH.

COPYRIGHT 1889 BY W. H. BURPEE & CO.



The seeds I bought of you last year were good. I took first premium on the Mammoth Chili squash at our county fair. JOHN BOWERS, Sigourney, Iowa.

I had the best garden from your seeds last year that I ever raised in my life. My Guernsey parsnips are the best I ever ate, and my Mammoth onions were nice. Cabbage, cucumbers and garden lemon looked like a picture, and everything else I bought of you did well. MRS. SUE MARTIN, Clark, Missouri

SPINACH.

One ounce will sow about 80 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.

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, ¼ lb 20c, lb. 45c

ROUND.—Main market sort. Equally good for summer or fall. Per pkt 5c, oz. 10c, ¼ lb 20c, lb 35c.

PRICKLEY or WINTER.—Per pkt 5c, oz. 10c, ¼ lb 20c, lb. 50c

VIROFLAY or SAVOY LEAVED.—Grows to an enormous size, and produces wonderful crops. Per pkt. 5c, oz 10c, ¼ lb. 20c, lb. 40c.

CHINESE RED.—A new variety of spinach from China which is much larger than the common; has bright red leaves and is considered equal in quality. Per pkt 5c, oz. 20c

NEW ZEALAND.—Very useful to supply the place of the ordinary spinach during the hottest months of the year, or for either the market or family garden. See description on second page of cover, and don't fail to try it. Entirely different from all other sorts. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

LONG STANDING SPINACH.

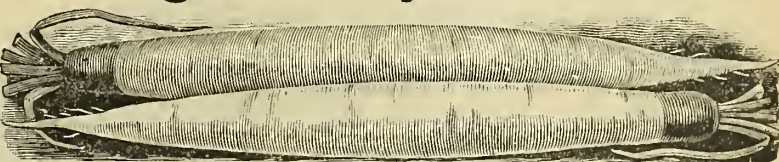
In dry, arid localities. A great acquisition, and the most valuable variety of all for either the market or family garden. See description on second page of cover, and don't fail to try it. Entirely different from all other sorts. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

SALSIFY—or Vegetable Oyster.

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 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 sure all market gardeners who once try it will use it extensively. Per pkt 5c, oz. 15c, ¼ lb 50c, lb \$1.50



MAMMOTH SANDWICH ISLAND SALSIFY

VINE PEACH.

A splendid novelty which we introduced in 1837. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is



peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Recipes for preparing them for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach, except that they are not usually liked raw, 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, ¼ lb 50c, lb. \$1.50.

RHUBARB—or Pie-plant.

One ounce will produce about 100 plants.

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

VICTORIA or MAMMOTH.—The best and most popular variety. Per pkt. 5c, oz. 15c, ¼ lb 50c, lb. \$1.65.

RHUBARB ROOTS.—See vegetable plant list

PARSLEY.

One ounce will sow 150 feet of drill.

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

CHAMPION MOSS CURLED.—A very select stock, beautifully crimped and curled. Decidedly the best and most popular variety for general use. Quite decorative for garnishing. Per pkt 5c oz. 10c, ¼ lb. 30c.

FERN LEAVED.—Exquisite in form, and admirably suited for table decoration. Excellent quality. Per pkt 5c, oz. 10c, ¼ lb. 35c.

CHUFAS, or Earth Almond

In sweetness and flavor they resemble the cocoanut or almond, and are considered very nice, put on the table in a fruit dish with caudex, as an after-dinner relish. Very prolific, a single one yielding from two to four hundred. The nuts grow underground, very near the surface, easily reached by pigs or poultry, and destroyed by them if they have free access. Plant in April, ten inches apart in two and one-half foot rows. Cover them lightly. If the seed is very dry, soak well before planting. Our illustration represents the manner of their growth, and they vary from the size of a large pea to that of a hazelnut. The children will be pleased with these. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.00.



CHUFAS.

TOBACCO.

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

This is a paying crop and will do well in this State. The following varieties have been thoroughly tested in this climate. Our seed of most of these was grown on the crown panicles of select plants. Early in 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 finest possible texture. Per pkt 10c, oz. 25c, ¼ lb. 75c.

HESTER.—Ripens curly 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, ¼ lb. 75c.

STERLING.—Per pkt. 5c, oz. 20c, ¼ lb. 65c.

BIG HAVANA.—Heavy cropper, fine texture, delightful flavor, earliest cigar variety to mature and ripen. Pkt 5c, oz. 20c, ¼ lb. 65c.

CONNECTICUT SEED-LEAF.—Well adapted to this climate. Per pkt. 5c, oz. 20c, ¼ lb. 65c.

THE EARLIEST TOMATO IN THE WORLD



EARLY MINNESOTA

TOMATO.

One ounce will produce about 2,500 plants.

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

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



PICTURE ROCK

evenly, remain solid a long time and never crack. Thos. H. Bru-ton, who grows about 100 varieties of tomatoes, and who may be called the best posted man on tomatoes in the United States, writes us: "Bond's Early Minnesota I have yet tried." Per pkt. 10c, oz. 50c, 1/4 lb. \$1.50.

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. See more full description on second page of cover and don't fail to try it. Per pkt. 10c, oz. 50c, 1/4 lb. \$1.00.

CRIMSON CUSHION.—Very large, about double the size of the Matchless, but rough like all other large sorts. The peculiarity about it is its unusual solidity, more so than any other sort we know of. Seeds are few and near the outside, leaving the center solid pulp, which ripens evenly throughout before the outside appears ripe. It is an elegant sort for slicing or putting up. Our seed was saved from select specimens grown on our own place, flavor excellent. Per pkt. 19c.

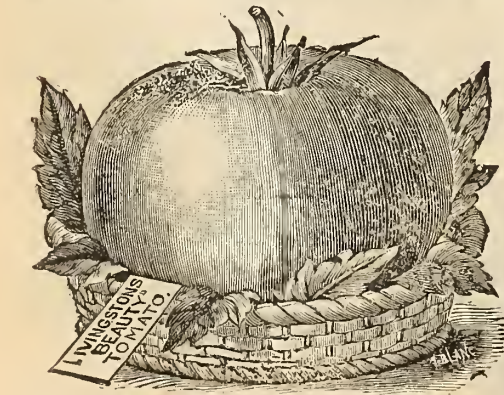


MATCHLESS.

PONDEROSA.—Very large, and is highly commended in many localities. Like all other mammoth sorts, however, there is a considerable proportion of misshapen fruits, and some with hard green spots around the stem. Our seed is pure. Per pkt. 5c, oz. 30c, 1/4 lb. 85c.

NEW PEACH.—This peculiar variety, introduced by a Philadelphia firm, is a decided curiosity. The tomatoes in color are a deep rose and golden amber, blended in an indescribable manner, all covered with delicate bloom like the bloom or furz of fine peach, making it almost impossible to recognize the detached fruits as tomatoes. Do not fail to try it. Per pkt. 5c, oz. 30c, 1/4 lb. \$1.00.

usually too rough for general use. Per pkt. 5c, oz. 20c, 1/4 lb. 65c.



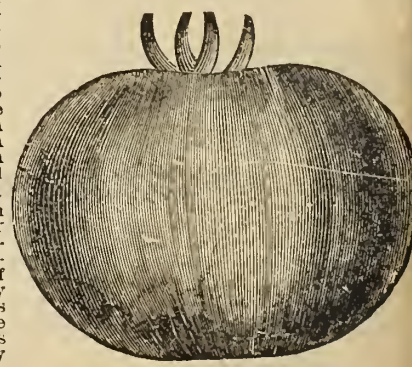
MATCHLESS.—Well worthy of its name for in beauty of coloring and symmetry of form it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit. They are entirely free from core, of a very rich cardinal red color, and not liable to crack from

wet weather, of largest size, and the size of the fruit is maintained throughout the season, 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, and ripe specimens picked from the vine will keep in marketable condition for two weeks. Solid, of fine quality and a long keeper. Per pkt. 5c, oz. 25c, 1/4 lb. 80c.

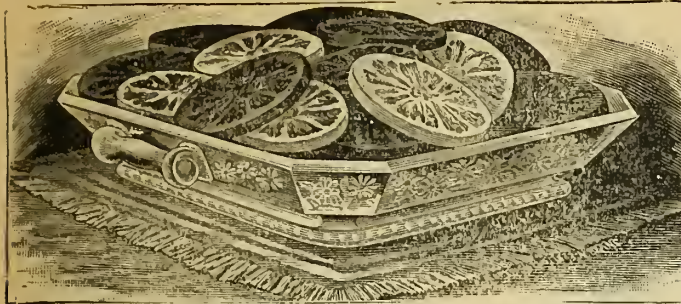
IGNOTUM.—It is five days earlier than Dwarf Champion and superior to all other standard sorts. Very large, smooth, extraordinarily solid, seed cavities the smallest of any tomato; only averages one-half as many seeds as the ordinary sorts. Very productive and uniform, the last pickings being scarcely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

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, 1/4 lb. 75c.

TURNER'S HYBRID OR MIKADO.—Very large solid fruits, but



IGNOTUM



CARDINAL AND GOLDEN QUEEN SLICED TOGETHER.

YELLOW PLUM.—Good for preserving and pickling; plum shape, solid and smooth. Per pkt. 5c, oz. 30c, ¼ lb. \$1.00.

FAVORITE.—Large, smooth, and very prolific. Per pkt. 5c, oz. 15c, ¼ 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, ¼ lb. \$1.00.

RED CURRANT.—Quite ornamental, resembling long bunches of currants. Per pkt. 5c, oz. 30c, ¼ lb. \$1.00.

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 of its class. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

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, ¼ lb. 70c.

GOLDEN QUEEN.—We have tested many yellow tomatoes, of which the Golden Queen has proved decidedly the best. The tomatoes are of large size, handsome, round shape, very smooth, free from ridges, and ripen up evenly, mature early and are very productive. Per pkt. 5c, oz. 25c, ¼ lb. 85c.

STRAWBERRY.—See Ground Cherry, page 12. Pkt. 5c.

PURPLE HUSK.—See description on page 12. Pkt. 10c.

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.

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 Queen are especially nice for this purpose. Try them this year.

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 productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color, always smooth and symmetrical, and the flesh solid and of fine quality. Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky. Per pkt. 5c, oz. 25c, ¼ lb. 75c.

ATLANTIC PRIZE.—Very popular with some market gardeners on account of its extreme earliness. Some of our Des Moines market gardeners say that this is the only variety they have ever grown which produced a good crop from the first set of blooms on plants, thereby netting them high prices. Per pkt. 5c, oz. 25c, ¼ lb. 75c.

ACME.—Early, medium size, smooth, solid and productive. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

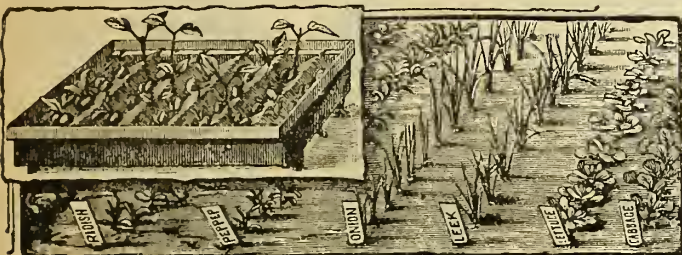
TROPHY.—One of the largest and best, fine quality, medium early, heavy and solid, great favorite. Per pkt. 5c, oz. 20c, ¼ lb. 65c.



DWARF CHAMPION.

TESTING SEEDS.

We make it a rule to carefully test all seeds as soon as received from the grower, or as soon as they are brought in from our seed farms. Frequent tests are also made during the spring season of any varieties which are liable to decrease in vitality, so as to be certain that everything is first class before it is sent out. We also carry on extensive trials on our grounds by which we are enabled to offer only those strains of seeds which come up to the standard of purity and excellence, and are of the highest vitality. These tests are very satisfactory to us and to our customers. Our method of testing attracts considerable attention in our store, as all the seeds in the tester are in sight and our customers can see any which fail to germinate as well as those which are of strong vitality. We know of no seed firm in America which is so careful and critical with their seed testing, and the result is that we very rarely have complaints as our CHOICE IOWA SEEDS are sure to please.



SEED TESTING AND TRIALS.

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. Crops are very short, and beans, peas and corn are liable to advance in price later in the season. Better write for prices if you desire a large lot.

BEANS.

DWARF VARIETIES.		PK.	BU.
Henderson's Bush Lima	.....	\$2.25	\$ 8.00
Burpee's Bush Lima	.....	4.00	15.00
Dreer's Bush Lima	.....	3.75	14.00
Jackson Wonder Lima	.....	3.50	12.00
Early Mohawk	.....	1.25	4.50
Refugee, or Thousand to One	.....	1.50	5.00
Dwarf Horticultural	.....	2.00	7.00
Improved Early Valentine	.....	1.40	5.00
Large White Marrow	.....	1.40	5.00
Wardwell's Kidney Wax	.....	1.75	6.50
Improve 1 Golden Wax	.....	1.75	6.50
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	.....	1.25	4.25

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
Cut Shorts	.....	2.25	8.00
Lazy Wife's	.....	2.25	8.25

SWEET CORN.

	PK.	BU.
Extra Early Cory	1.00 3.25
Early Minnesota90 3.00
Crosby's Early90 3.00
Perry's Hybrid	1.00 3.25
Champion Early	1.25 4.00
Shoe Peg	1.25 3.75
Egyptian90 3.00
Stowell's Improved Evergreen90 2.75
Improved Ruby	1.50 4.50
Mammoth Sweet	1.00 3.25
Black Mexican	1.25 4.00
Country Gentleman	1.25 4.25
Acme Evergreen	1.00 3.50
Fodder Corn (sweet)75 2.00

POP CORN. (56 lb. bu.)

Page's New Striped Rice	.....	1.50 5.00
Monarch White Rice	.....	1.35 4.50
Queen's Golden	.....	1.35 4.50
Mapledale Prolific	.....	1.35 4.50

FIELD CORN.

See pages 32, 33 and 34.

PEAS.

	PK.	BU.
Reed's Early Prize	1.75 6.00
Iowa's Extra Early Challenge	1.40 5.00
Cleveland's Alaska	1.56 4.75
First and Best	1.25 4.00
Rural New Yorker	1.25 4.00
Bliss American Wonder (scarce)	2.00 7.50
Laxton's Alpha	1.50 5.25
Premium Gem	1.50 5.25
Stanley	2.25 8.00
Nott's Excelsior	2.25 8.00
Telephone	1.75 6.00
Bliss' Abundance	1.25 4.50
Bliss' Everbearing	1.50 5.00
Improved Advancer	1.35 4.50
Yorkshire Hero	1.50 5.00
Dwarf White Marrow90 3.00
Champion of England	1.25 4.00
Stratagem	2.00 7.00
Large White Marrow85 3.00
Black Eyed Marrow85 3.00
Dwarf Sugar (edible pods)	2.25 8.00
Field Peas—See Field Seeds.	

TURNIPS.

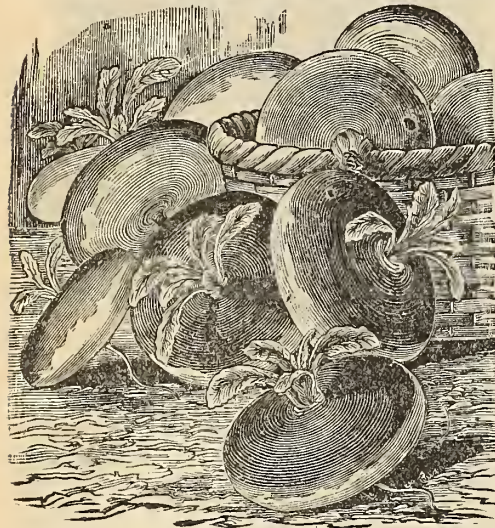
One ounce will sow 150 feet of drill; two pounds will sow one acre.

For early, sow in April, in drills half an inch deep and twelve inches apart. Thin to six inches apart in the drill. For main crop sow broadcast 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.

NIMBLE DICK.—The earliest and most delicious table turnip of all for early use. It is extra early and produces handsome, fair sized turnips in a very few weeks from time seed is sown. 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. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EXTRA EARLY PURPLE TOP MILAN, Strap-leaved.—This splendid new turnip is one of the earliest sorts 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, ¼ lb. 25c, lb. 75c.

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,



EXTRA EARLY MILAN.

I don't think I could raise as good garden with any other seed as I did with your seed. Have never had a failure in anything. Every seed grows, and I think some of them twice.

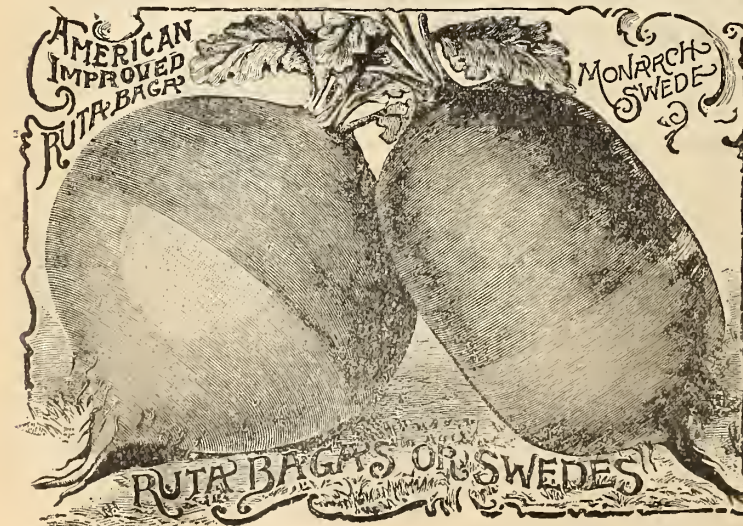
MRS. E. C. ROWELL, Rathven, Iowa.

I have used your seed for eight years, and they gave perfect satisfaction each season.

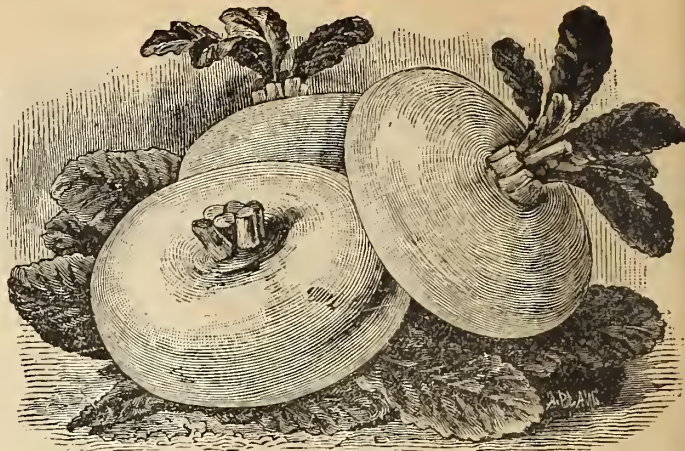
MRS. ARTHUR WAGNER, Waterville, Iowa.

You give better measure and better seed than any firm I ever bought of.

A. J. THOES, Alma, Kansas.



RUTA BAGAS OR SWEDES



NIMBLE DICK.

flavor good. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, five lbs. or more, not prepaid, 35c. per lb.

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, ¼ lb. 20c, lb. 55c, five lbs. or more, not prepaid, 40c. per lb.

LARGE WHITE GLOBE.—Fine for field culture, very productive. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50.

EARLY WHITE FLAT DUTCH.—Of quick growth, juicy, mild flavor, and excellent quality. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

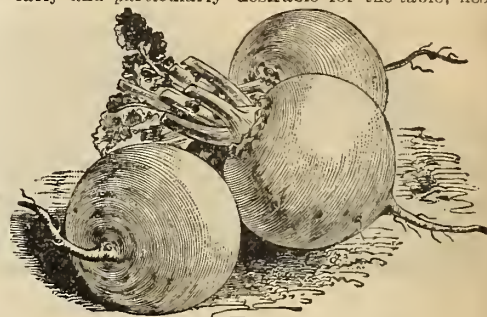
BREADSTONE.—While of the Ruta Baga type, they are of such extra fine quality that they deserve to be classed with the best table turnips. They are of medium size, very quick growing, and the roots are smooth and white. The flesh is perfectly white, fine grained, and cooks in only fifteen minutes, remarkably tender and very sweet. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

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, ¼ lb. 20c, lb. 65c.

YELLOW ABERDEEN.—Excellent for cattle feeding. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

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, ¼ 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, ¼ lb. 25c, lb. 75c.



ORANGE JELLY OR GOLDEN BALL.

RUTA BAGAS.

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

MONARCH.—This grand, new and distinct form of the ruta baga is, we believe, by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. For earliness, quality and weight it is superior to any variety in cultivation, producing from two to seven tons per acre more than any other swede, whilst the large percentage of saccharine matter contained in the root makes it very palatable and nutritious to stock fed on it. Monarch swede is of handsome shape and distinct appearance. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

IMPROVED AMERICAN.—Very popular, and has for years been considered the leading yellow fleshed variety, very solid, fine quality, valuable for the table and feeding stock. Very hardy and productive, excellent shape, with small neck and smooth skin, keeps well. Our strain is choice. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c.

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, ¼ lb. 25c, lb. 65c.

CARTER'S IMPROVED HARDY SWEDE.—Large size, excellent quality, and an immense yielder. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

VEGETABLE PLANTS AND ROOTS.

Prices for large quantities of any of these plants or roots will be given on application.

VEGETABLE PLANTS.

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 hotbed or cold frame are ready during April and May. Outdoor growth, during June and until the middle of July. 500 at the 1,000 rate.

CABBAGE PLANTS.—Early Varieties.—Ready April 10th. Extra Early Express, Jersey Watkield, All Seasons, Burpee's Allhead and Henderson's Early Summer. By mail, 100, 75c; by express, 100, 50c; 1,000, \$3.50.

CABBAGE PLANTS.—Late Varieties.—Ready June 1st. Surehead, Chase's Excelstor, Premium Flat Dutch, and Short Stem Drumhead. By mail, 100, 75c; by express, 100, 40c; 1,000, \$2.00.

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

CELERY PLANTS.—Ready May 1st. 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. After June 20th, \$3.00 per 1,000.

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

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

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

SWEET POTATO PLANTS.—Ready May 1st. 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. Price, by mail, 100, 60c; by express, per 100, 25c; 1,000, \$2.00.

RHUBARB ROOTS.

These may be planted early in the spring or in 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.

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, \$5.00.

PALMETTO.—Two-year old, per 100, \$1.00; per 1,000, \$8.00. Above prices by express. If to be mailed, add 20c per 100 for one-year old, and 40c per 100 for two-year olds.

HORSE RADISH SETS.

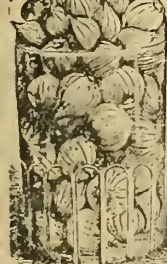
Plant at any time during spring, in rows two feet apart and about eighteen inches apart in the rows. By mail, per doz. 35c. By express, per 100, 75c; per 1,000, \$6.00.

ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. 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 cents per quart if by express.) Price by the peck and hushel 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.

Our sets are well grown and of the very best quality include prepayment of postage (deduct 15 cents per quart if by express.) Price by the peck and hushel 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.

BOTTOM ONION SETS



POTATO ONION SETS



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. \$1.00, bu. \$3.25.

WHITE BOTTOM SETS.—The bottom onion sets grown from seed are the most popular of all and the finest for early use and large onions. The white are usually higher in price than the red or yellow as they do not keep over winter so well. Per pt. 25c, qt. 50c, pk. \$1.50, bu. \$5.00.

YELLOW BOTTOM SETS.—Like above except the color. Per pt. 25c, qt. 40c, pk. \$1.25, bu. \$4.25.

RED BOTTOM SETS.—Per pt. 25c, qt. 40c, pk. \$1.25, bu. \$4.25.

RED TOP OR BUTTON SETS.—These are the old-fashioned sets still largely called for where the bottom sets are not known. Per pt. 25c, qt. 40c, pk. \$1.65, bu. \$6.00.

POTATO ONION SETS.—Valuable for early crop, as they mature quickly; mild and of sweet flavor. Per pt. 25c, qt. 40c, pk. \$1.25, bu. \$5.50.

GARLIC.



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.

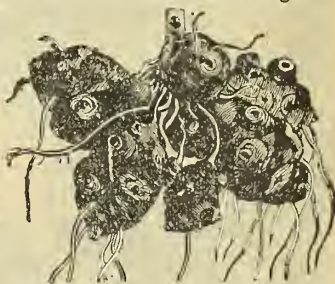
GARLIC SETS.—Per lb. 40c, postpaid. By express, per lb. 30c.

JERUSALEM ARTICHOKE.

The greatest hog food known.

This variety is not produced from seed. They are sometimes used as a table vegetable when pickled or as a salad, 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 hushels 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 plowed 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. 30c, 3 lbs. 75c, postpaid. By freight or express, pk. 65c, bu. \$2.00, bbl. of 3 bu. (enough for one acre) \$4.50.



HOLT'S MAMMOTH SAGE.

No garden should be without a few plants of this most valuable herb. It is a perennial and keeps growing larger each year. The first season a single plant will frequently cover a space three feet in diameter and produce a large amount of leaves, which are several times larger than the common sage and of superior quality. This variety cannot be grown from seed. Price, 3 plants for 25c, 7 for 50c, 15 for \$1.00, postpaid.

Your sweet potato plants gave good satisfaction last year.

J. H. SCHULER, Dumont, Iowa.

The sweet potato plants I bought of you last year were fine.

MRS. C. BLANKENBURG, Estherville, Iowa.

SELECTED FARM SEEDS.

CHOICE RECLEANED GRASS SEED, ETC.

As the farm crop is more important to the general welfare of the country than any other, so the farm seed department should have the prominence in seed catalogues, but we regret to say that with most seedsmen it has very little attention. For about ten years past we have been talking to farmers in our catalogue, and by the means of articles written for the agricultural newspapers, until it has finally had its effect and 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. 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 post-paid; 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 are the best now in general use. They were grown especially for seed purposes, and were well matured, cured, carefully sorted by our seed corn experts, 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 1895, 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 farmers 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, made it made their customers a great amount of trouble. All

purchased common crib corn and sold it out untested and under fictitious names, and it made their customers a great amount of trouble. 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. 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 originated 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 *twenty dollar 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 can not 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 everyone who tries it. It will grade No. 1 in any market. We shall not be satisfied until every farmer in Iowa has seen this grand new variety.

One carload lot of four hundred bushels of Iowa Gold Mine corn was carefully weighed, and after shelling it was reweighed and there was just 456 bushels. Just think of it—*A gain of 14 bushels to the 100!*

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 large package 5c, lb. 25c, 3 lbs. 60c, pk. 65c, bu. \$1.75, 2 bu. or more at \$1.65 per bushel, 10 bu. or more at \$1.50 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.



OATS



NEW ZEALAND

EARLY HARVEST MILLET

3 MOST PROFITABLE FIELD CROPS FOR FARMERS.
DON'T FAIL TO TRY THEM.

A GOLD MINE
IN A
CORN FIELD.

IOWA
GOLD MINE
CORN

A Gold Mine for Farmers

**YIELDS : MORE
SHELLS : MORE
SELLS for MORE**

Most Profitable Corn Grown—Bright Golden Yellow, Early, Handsome, Deep Grained, Small Cob, Immense Yielder.

Read What Our Customers Say.

Costs Only 25 cts. per Acre for Seed.

The largest seed corn grower in the United States says: *The Iowa Gold Mine Field Corn* bought of you turned out nicely. We are very much pleased with this corn. It grows rank and strong and beat out the growth and made a good crop.
C. S. CLARK, Huron Co., O.

The Iowa Gold Mine Corn is the best I ever saw and it is well adapted to this climate.
S. F. REYNOLDS, Dane Co., Wis.

As you know the corn crop was a failure here this year, and if I had not had the Iowa Gold Mine I would not have had any. It made a good average crop in spite of the dry weather.
J. W. McCLEARY, Polk Co., Ia.

The Iowa Gold Mine Corn this year yielded more and is far ahead of any variety ever before tried in this locality, and I believe is the best suited to this country of any variety.
R. ECKHARDT, Weld Co., Col.

One of the largest seed firms of the country writes: *The Iowa Gold Mine is ahead of anything for the latitude of northern Iowa as a yielder, is rich in fattening substance, and one that will sell for the highest price upon any market in the land. Will ripen well in southern Minnesota and will outshell to a bushel of ears any corn we ever knew. Often shelling as much as 64 lbs. of shelled corn from 70 lbs. of ears.*

The Iowa Gold Mine Corn turned out specially well and made good sound corn, although not planted until May 27th.
E. COURTR. GHT, Cherokee Co., Ia.

I had three varieties of field corn this year and for beauty, size of ear and yield the Iowa Gold Mine beats them all.
W. W. CAMPBELL, Buchanan Co., Ia.

The Iowa Gold Mine Corn has done splendidly here in Northwestern Iowa and is now (September 1st) out of danger of frost. It is a yellow dent variety with large well formed ears, much larger and finer than our native corn in this part of the state.
P. R. BAILEY, O'Brien Co., Ia.

Don't fail to try it this year. Price, large packet, 5c; lb., 25c; 3 lbs., 60c, postpaid. By express, peck, 65c; bushel, \$1.75; 2 bushels or more at \$1.65; 10 bushels or more at \$1.50.

The Iowa Gold Mine is good corn, was well matured before frost and will go about 50 bushels per acre.
C. O. SCHUDT, Stephenson Co., Ill.

The Iowa Gold Mine Corn did very well this year and will make more pounds of shelled corn than any other raised here.
SENECA FINN, Louisa Co., Ia.

We have grown Iowa Gold Mine Corn for three years and it has always done well with us, and the past season it was the only corn in our locality that made a good crop of sound corn. Cattle feeders pay as high as 60 cents per bushel for it, while other corn is selling for 42 cents per bushel, claiming that it is well worth the difference as it is much stronger and not so flinty as most varieties besides the difference in weight of cob.
POWELL BROS., Cedar Co., Ia.

The Gold Mine Corn I bought of you done well, making a yield of 75 bushels per acre.
W. J. SHAFFER, Guthrie Co., Ia.

The Iowa Gold Mine is the best grained corn I ever saw. I sold all that I raised to my neighbors and could have sold more.
F. E. BELL, Van Buren Co., Ia.

The Iowa Gold Mine Corn I got last year is the best of its kind, in fact your seeds have always given satisfaction.
GEO. B. FLINDERS, O'Brien Co., Ia.

Am much pleased with the Iowa Gold Mine Corn, also the White Pearl Dent Corn purchased of you. Think these are as good varieties as I ever raised.
J. J. CRODDY, Wapello Co., Ia.

I am much pleased with your Iowa Gold Mine Corn which I received.
HENRY HELM, Wabasha Co., Kas.

I have been a customer of yours for two years past, and the Iowa Gold Mine Corn I bought of you did well in spite of the dry weather we had.
GUST LAGERQUIST, Riley Co., Kas.

I am well pleased with the Iowa Gold Mine Corn.
G. E. KUARR, Nodaway Co., Mo.

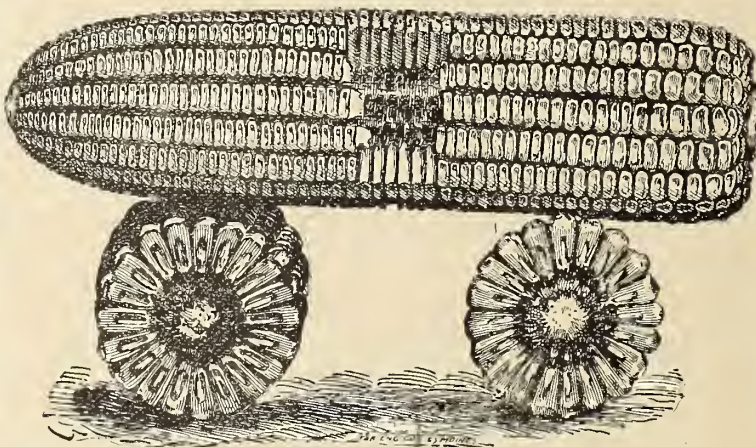
The Iowa Gold Mine Corn comes the nearest being all corn and no cob of any variety I ever grew.
H. F. JACOBS, Calhoun Co., Ia.

My Iowa Gold Mine Corn was excellent. I could not supply the demand of my neighbors for seed.
THOS. CUNNINGHAM, Grundy Co., Mo.

The Iowa Gold Mine Corn proved very satisfactory. It cared better than any other variety I have ever seen. The ears are better filled with deep grains of golden yellow corn, and I can say that it is more than it is claimed to be.
D. A. ROSE, Washington Co., Ia.

The Iowa Gold Mine Corn is a grand variety, and we were well pleased with it.
W. D. BALLANTYNE, Hamilton Co., Ia.

The Iowa Gold Mine Corn I purchased of you last spring is the best yielder I ever planted.
O. E. HUGGIES, Butler Co., Ia.



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

THE GREAT NEW ZEALAND OATS.

This grand new variety which we offer this year for the first time originated as follows: About seven years ago, a farmer living in New Zealand sent a few grains of a new variety of oats to a friend in Dallas County, Iowa. They were planted in his garden and the crop carefully selected and saved from year to year until he had sufficient to sow a good sized field and thus give them a practical test in comparison with other sorts. They have proved to be far superior in quality and yield to any other kind and have been grown on the same farm ever since, yielding 8 to 12 bushels more to the acre than any of his neighbors and weighing 36 to 45 lbs. to the bushel. The entire stock has been kept in the hands of two men in Dallas and Madison counties, and they unite in pronouncing them excellent.

They are a side-oat with long, heavy, full head. It averages a trifle higher than other sorts, has very stiff, strong straw, never known to lodge. It has never rusted and does well on all kinds of soil. About one week later in maturing than the common round head oat, thus giving time to harvest the hay crop. Tested 40 lbs. to the bushel from the machine without re-cleaning and gives an extraordinary large yield. They stood out remarkably well and thus require less seed to the acre.

The Dealer Sennel says: "The New Zealand Oats tested 36 lbs. to the bushel in 1893, when other varieties grown in the same locality weighed only 18 to 24 lbs. This was partially due to their being rust proof."

E. M. Crosscut, of Madison County, says: "I have sown this oat for several years and had an extra yield in measure and in weight, 36 to 40 lbs. every year. It never rusts or lodges and yielded more to the acre than any of my neighbors. It is first-class and iron-clad."

A. J. Shober says: "The New Zealand Oats is the best variety I ever saw, and you are safe in assuring your customers an average yield of 25 per cent more per acre than any of the common varieties, and also that they will weigh more to the bushel. They are rust proof, are a surer crop and better adapted to this country than other varieties."

We have purchased the entire stock and you cannot obtain them elsewhere, as this is the first year that they have ever been offered for sale. Stock is quite limited, so don't fail to send order early. Price per large packet, 10c; lb., 40c; 3 lbs., \$1.00, postpaid. By freight or express, peck, 75c; bushel, \$2.60.

EARLY HARVEST MILLET.

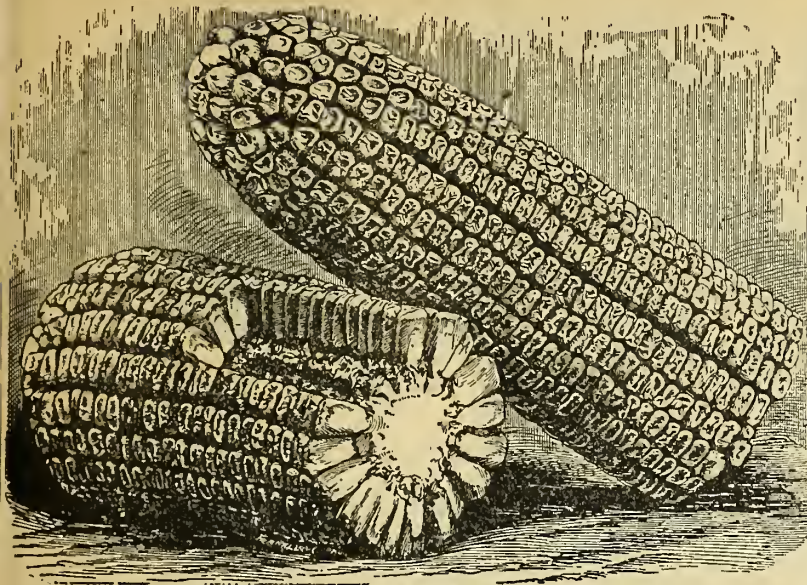
Millet is one of the most important of our cultivated grasses and is constantly becoming more popular wherever known. In 1885 the crop of millet hay in Iowa reached six million tons, being greater than that of timothy. This new variety was produced by sowing the Golden Wonder and Manitoba Millet together and they formed a perfect cross or so-called hybrid, the seed being different in size, shape and color from either of its parents. It is as early if not earlier than the Manitoba, while the head is more like the Golden Wonder, being not so long but much fuller. The fodder stays green and in excellent condition even after the seed is fully ripe, differing in this respect from any other kind. The crop from which our seed was harvested was cut just fifty-one days after seed was sown, thus it would be easy to raise two crops in one season on the same ground. It ripens seed before pigeon grass or any kind of barn grass and yielded 40 bushels of seed to the acre. The hay is fully equal to the Golden Wonder and is as good as any variety of millet grown. The stem is well filled with broad leaves instead of having leaves simply at the base and makes just as good hay when cut after seed is ripe as other millets do, cut green.

Prof. A. A. Crozier, of the Michigan Agricultural College, tested it this last season and writes us: "Your new millet is the earliest kind of millet we have out of 73 samples from various parts of the world, and quite different from either the Common Millet and Hungarian, and I think it will also prove productive."

A. J. Doore, of Butler County, Iowa, on whose place it originated, says: "The millet is all that I expected it to be, and beats all and every kind of millet I have ever seen. Is extremely early and while not of mammoth growth is very compact and yields a splendid crop of most excellent hay, the best, in fact, that I ever saw. Will produce two crops in one season and seed is very heavy, weighing nearly 60 lbs. to the bushel."

All things considered, we believe it to be the millet of all others for the Iowa farmers, and advise all to try at least a small quantity this year. Price per large pkt., 10c; lb., 30c; 3 lbs., 75c, postpaid. By freight, peck, \$1.50; bushel, \$5.00.

ORDER EARLY. It pays to send orders early for everything you need in the seed time. Crops are short this year.



LEGAL TENDER.

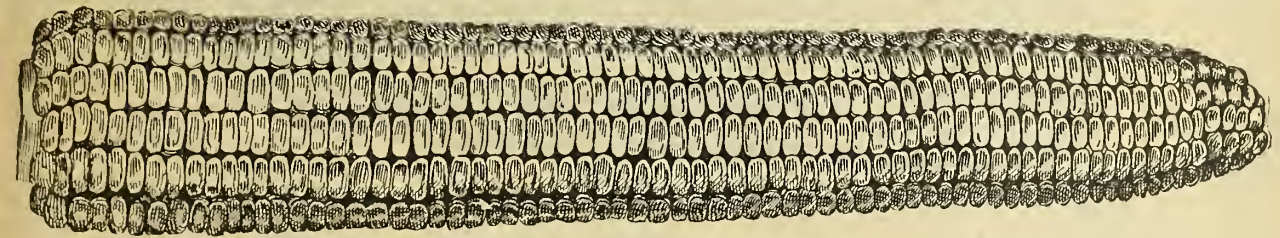
EARLY LONGFELLOW DENT.—For several years one of our growers has been at work originating this new sort, the object being to obtain a variety fully as early as Pride of the North and much larger. He succeeded so well that now we take pleasure in introducing it. The accompanying engraving was accurately 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

prising 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

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 a deep grain on a small cob, while the stalk does not grow too large. The introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and 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 large pkt. 5c, lb. 25c, 3 lbs. 60c, pk. 65c, bu. \$1.75, 2 bushels or more \$1.65 per bushel, 10 bushels or more at \$1.50 per bushel.

PRIDE OF THE NORTH.—This variety has been grown and improved in the extreme northern part of Iowa. The ears are 8 to 10 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange, and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Per large pkt. 5c, lb. 25c, 3 lbs. 60c, bu. \$1.50, 10 bu. or more at \$1.40.

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 enter-



EARLY LONGFELLOW DENT.—From a photograph.

corn ever offered. The grower who has 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, kernels rather shallow. Per large packet 5c, lb. 25c, 3 lbs. 60c, pk. 60c, bu. \$1.50, 10 bu. or more \$1.40 per bushel.

LONGFELLOW FLINT.—This is an eight-rowed yellow flint variety, the result of careful selection. The ears are from 10 to 15 inches long, 1½ to 2¼ inches in diameter, and are well filled out to extreme end of cob. The cob is small and the 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 large pkt. 5c, lb. 30c, 3 lbs. 75c, pk. 75c, bu. \$2.50.

corn show here 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. Don't put up with the old variety of Leaming when you can obtain this great improvement. Per large pkt. 5c, lb. 25c, 3 lbs. 60c, pk. 60c, bu. \$1.50, 10 bu. or more at \$1.40 per bushel.

POP CORN.—See pages 14 and 29 of this catalogue.

Your Legal Tender corn took first premium for the best yellow corn at the Cass county fair. It was very fine. F. B. VAN ORMAN, Cass Co., Ia.

We purchased of you last spring 2 bushels of Star Leaming and 1 of Legal Tender seed corn and we had good results. Get good seed corn of the Iowa Seed Co. and success is insured. HILL & DIGGS, Madison Co.

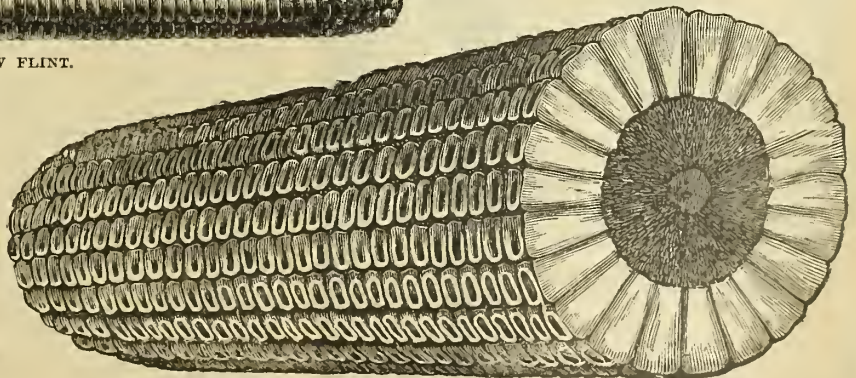


LONGFELLOW FLINT.

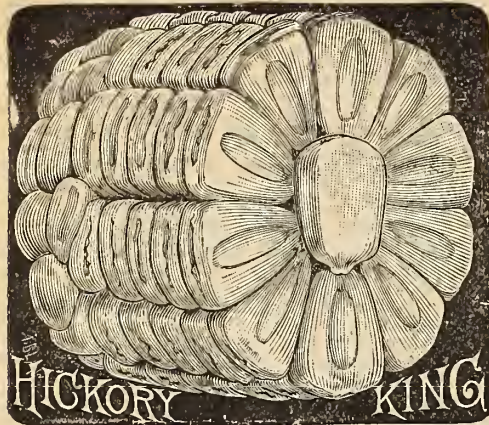
CLARK'S EARLY MASTODON.—Quite popular in some sections of the country, and in one test by special culture it yielded the enormous crop of 213 bushels to the acre. However we consider it a very poor variety and do not recommend it to our customers, but will furnish pure seed of it, if desired, as we have some direct from Mr. Clark, the originator. The word "early" is an anomaly, as it is too late for Iowa farmers in an average season. Per lb. 25c, 3 lbs. 60c, pk. 65c, bu. \$1.75, 2 bu. or more at \$1.50 per bushel.

\$10.00 PRIZE

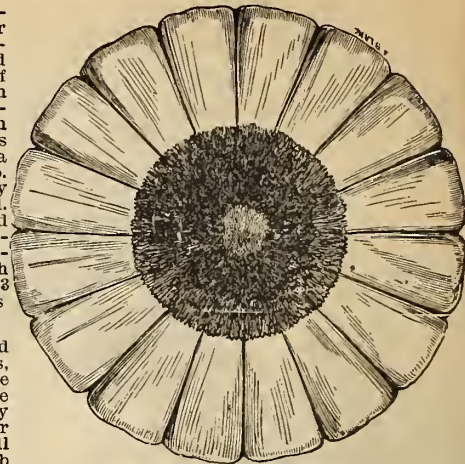
For the best ear of corn of any color or variety sent us by April 10, 1895. Anyone can compete. Ask for particulars, or mail an ear of corn and it will be entered.



STAR LEAMING.



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 very low upon it, thus standing our severe storms and drouth well. Large packet 5c, lb. 25c 3 lbs. 60c. Peck 60c, bn. \$1.50, 10 bus or more at \$1.40.



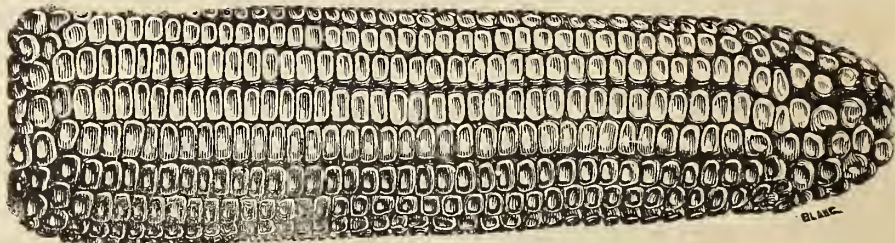
HICKORY KING.—A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost completely cover the cob

CHAMPION WHITE PEARL.

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. Large packet 5c, lb. 30c, 3 lbs. 75c. Peck 75c, bu. \$2.00.

PRIMITIVE OR HUSK CORN.—It is from this wild variety that all of our cultivated kinds have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all enclosed in an outer husk, like common corn. 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 husk became smaller and lighter each year until it entirely disappeared, leaving the grain clear except 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 north-west part of this state has, for a number of years, been cultivating this variety and now says that no better corn can be grown for feeding cattle. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Some stalks bear as many as 20 ears. Large packet 10c.

IOWA YELLOW DENT.—We always advise farmers to buy the best named varieties in buying seed corn, and believe it pays them in the long run. This year, however, there are thousands of farmers in need of seed corn who are short of money, and their main object is to secure at a low price a nice grade of common yellow corn which is well matured, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you would find it superior to nine-tenths of the corn in your neighborhood. At our price it will cost you only about 12 cents per acre to plant your fields with this variety and it will pay you well to order sufficient for your planting. Peck 40c, bu. \$1.10, 10 bus. or more at \$1.00, 25 bus. or more at 90c, bags included.



IOWA YELLOW DENT CORN.

It has a good stalk filled with large succulent leaves, which are greatly relished by stock. Sow in drills or broadcast. Quart 25c, pk. 75c, bu. \$2.00.

EVERGREEN FODDER SWEET CORN.—Valuable for feeding hogs and milch cows. Cows yield more milk and are in better condition if fed on it. Dairy farmers will find that our Evergreen fodder corn is fully double the value of field corn for fodder purposes.

If you want a large lot of
Clover or Grass Seed
Send for Samples and Prices.

Large Customers. Our orders range from five cents upward and the small orders have just as careful attention as the large ones. Our largest retail order was for \$1,370.77 worth of seed. We had another customer whose purchases amounted to \$1,487.33 for the season, but it was divided up into several orders. Both were perfectly satisfied. We have large customers in the east also. W. P. Turner, of Crawford county, Penna., last year bought seeds of us to the amount of \$1,397.54 and he says: "I am very well pleased with all the seed received from you." Again in the fall he wrote: "All the seed has given perfect satisfaction."

ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field or need to replant their ground. It puts the corn exactly where you want it and at the proper depth. It is easily worked and is a most satisfactory tool in every way. Price \$1.50.

Odds and Ends.

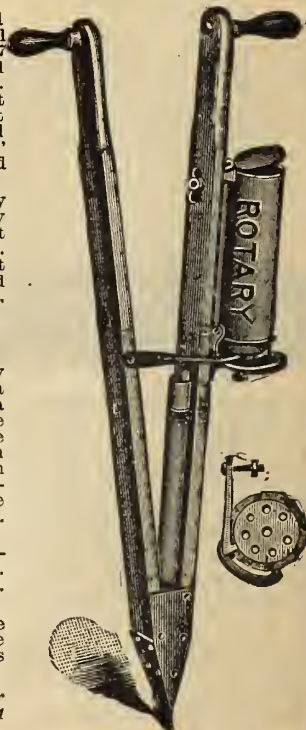
CHINESE TEA.—We are sure that many of our customers will be glad to grow it as a curiosity, if nothing else. The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Is hardy in any of the southern states, and has been grown successfully as a crop in North Carolina. Can be grown as a house plant in the north and kept in pots through the winter. Per pkt. 10c.

ALPINE STRAWBERRIES.—Have peculiar rich flavor, superior to our native sorts. Perfectly hardy and easily grown from seed. Packet 10c.

COTTON.—Grown as a curiosity in the north, and if started early in the house plants will be loaded with cotton bolls in autumn. Pkt. 5c.

I intend to make an exhibit at our county fair of the products of your seeds, which were a 1 this year

W. B. FOX, Portage, Wis.



ROTARY CORN PLANTER.



THEY SAY

LAST year there was a great drouth and failure of crops in Nebraska, but the Lincoln Oat is all right as usual. Under date of September 20, 1894, Mr. H. M. Dickinson, of Douglas county, Neb., wrote us: "Last spring I sowed ten bushels of Lincoln oats on six acres of ground, from which was threshed 498 bushels, or 83 bushels per acre. We had a severe drouth this year and other oats yielded only 6 to 10 bushels per acre."

The Lincoln oats went about 25 per cent more to the acre than other white oats on the same kind of ground. I sowed them just as I did the others.

C. F. HERRICK, Buchanan Co., Iowa.

The Turkish Red wheat I got from you last fall made 42 bushels to the acre.

J. N. ALTHOUSE, Clinton Co., Mo.



OATS.

THE LINCOLN OATS.—When we introduced these oats to our customers in 1893 they had never been tested in this state, but had done so exceptionally well in Minnesota that we had much faith in them. Seven prizes, amounting to \$500, were offered for the largest crops grown from one bushel of seed sown, and in our last year's catalogue we published the list of awards, the first prize going to a man who grew 174 bushels from one bushel sown, and the average of the seven successful competitors was 116 bushels each. What we claim for the Lincoln is that it is a very heavy yielder, is comparatively early, has proven to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat and thin hull it is unsurpassed for feeding and for making into oatmeal. Our price is low this year and you should try them. Pound 25c, 3 lbs. 65c, postpaid. Peck 50c, 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 bushels 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. Pound 25c, 3 lbs. 65c, pk. 50c, bu. \$1.00, 10 bus. \$9.00.

NEW ZEALAND OATS.—A new variety which we are introducing this year and which we believe to be superior even to the Lincoln. Stock is quite limited, but we would like to have all our customers try at least a small quantity. See description on back of colored plate. Large packet 10c, lb. 40c, 3 lbs. \$1.00, postpaid. Peck 75c, bu. \$2.00.

WHEAT.

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. Pound 25c, 3 lbs. 60c. Peck 50c, bu. \$1.25, 2 bus. or more at \$1.15, 10 bus. or more at \$1.10.

TURKISH RED WINTER WHEAT.—Has proved invincible, every year without exception producing 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 35½ 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.

FALL WHEAT.—Send for list in August.

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

TREE AND HEDGE SEEDS.

As tree seedlings make but a 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 except at the five-pound rate, at which purchaser pays the charges. Packets of any. 5c each.

ASH, American White.—¼ lb. 15c, lb. 50c, 5 lbs. or more at 25c.

BOX ELDER.—¼ lb. 15c, lb. 50c, 5 lbs. or more at 25c.

CATALPA, Speciosa or Hardy Catalpa.—Oz. 10c, ¼ lb. 25c, lb. 85c, 5 lbs. or more at 50c.

LOCUST, Honey.—Used largely for hedges. ¼ lb. 20c, lb. 50c, 5 lbs. or more at 25c.

LOCUST, Black.—¼ lb. 20c, lb. 50c, 5 lbs. or more at 25c.

MAPLE, Soft.—Seed ready June 1st, and should be planted within two or three weeks. ¼ lb. 20c, lb. 50c, 5 lbs. or more at 25c.

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. ¼ lb. 65c, lb. \$2.00.

OSAGE ORANGE.—Makes a handsome and durable hedge. Lb. 50c, 3 lbs. \$1.25, pk. \$2.00, bu. \$7.00.

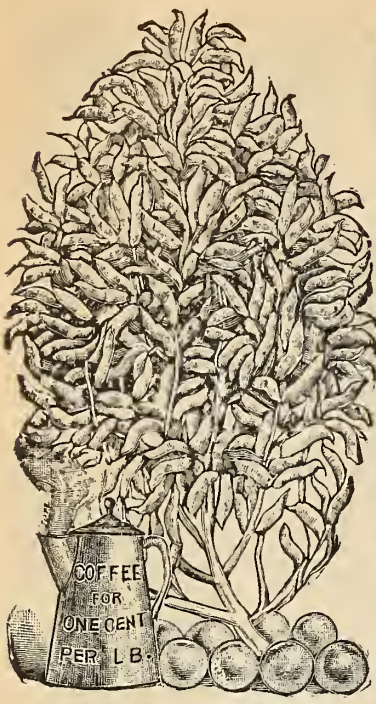
TREE OF HEAVEN.—Introduced from Japan. Of rapid growth and tropical appearance. Hardy. Oz. 10c, ¼ lb. 30c, lb. 75c.



WHITE DAKOTA OATS.



TURKISH RED VELVET CHAFF.



SOJA BEANS, OR COFFEE BERRY.

SOJA BEAN.—(Coffee Berry).—During recent years this variety has been largely sold under the name of *German Coffee Berry* at extravagantly high prices, but we prefer to offer it under its correct name. The berries ripen in about four months from time of planting and produce a crop of 20 to 30 bushels to the acre and are as easily grown as other beans. When roasted and ground it closely resembles coffee and tastes quite similar. Some mix half and half with coffee when using and claim it is superior. Its great value to the farmer lays in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields 8 to 10 tons per acre. Sow broadcast $\frac{1}{2}$ bushel to the acre, or it may be planted in drills 3 feet apart and one foot between plants. Per large pkt. 10c, lb. 40c, postpaid. Peck \$1.00, bu. \$3.50.

JAPANESE BUCKWHEAT.—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, and 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, 10c lbs. \$3.00.

EUROPEAN SILVER HULL BUCKWHEAT.—The grain is of a beautiful light silver gray color, husk is thinner which saves from 15 to 20 per cent 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.

MANSHURY BARLEY.—Is one of the best six-rowed sorts grown, with kernels plumper and 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 Heury, of the 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.

MONSTER WINTER RYE.—A great improvement. Per bu. \$1.50, 10 bu. or more at \$13.55.



AMBER CANE.

FODDER CANE.—When sown broadcast this makes one of the most valuable crops for feeding green. Every dairy farmer should put in a few acres. Sow 40 lbs. per acre. 10 lbs. or more at 4c per lb., 100 lbs. \$2.35.

We are highly pleased with the Lincoln oats we received of you last year.
 J. E. BRECKENRIDGE, Winnebago Co., Illinois.
 The clover seed I purchased of you is the finest I ever saw.
 WARD D. WALROD, Welton, Clinton, Co., Iowa.



FIELD PEAS.—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. Also profitable for marketing as dry or split peas. Sow two bushels to the acre, or if with oats, one bushel of each.

GOLDEN VINE FIELD PEAS.—The best variety of all as they yield the largest crop, are not affected by weevil, and stock does as well on them as when fed on clover hay. If you have heretofore used only the common field peas, you will be greatly pleased with the Golden Vine. Per pk. 85c, bu. \$3.00.

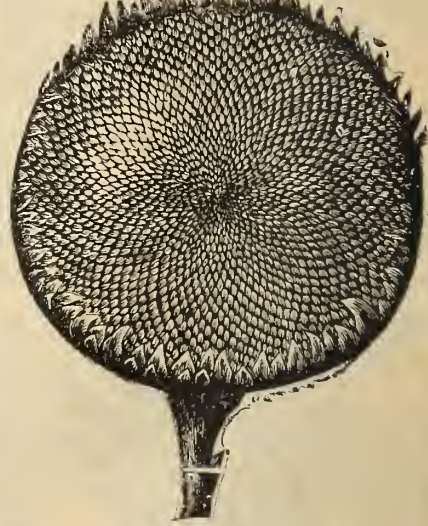
WHITE CANADA FIELD PEAS.—More used than any other. Per pk. 65c, bu. \$2.00, 2 bu. or more at \$1.75.

BLUE OR GREEN FIELD PEAS.—Like above except that color is a bluish green. Per pk. 75c, bu. \$2.25, 2 bu. or more at \$2.00.

PROLIFIC TREE BEANS.—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, $\frac{1}{2}$ pt. 15c, qt. 40c, postpaid. By freight, pk. \$1.25, bu. \$4.25.

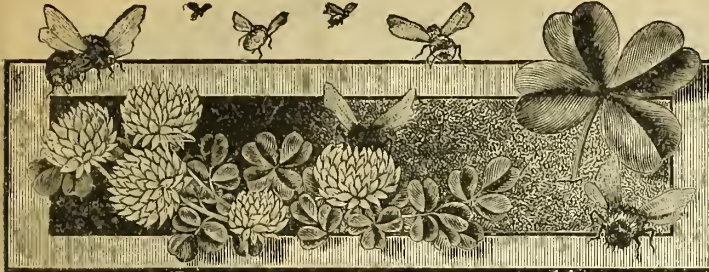


MANSHURY BARLEY.



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 lb.

CHOICE CLOVER SEEDS.



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 would 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.

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 unequalled 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.



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.

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.

GRASS SEEDS.

We are the largest dealers in this line in central Iowa, and our trade has been built up by handling only the best grades of new 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 the quantity needed. At the five-pound rate purchaser pays the freight charges.

RED TOP.—Grows almost everywhere, but in a moist, rich soil it reaches its highest state of perfection. This variety and timothy are the only grasses known and cultivated in many localities, but where the good qualities of the other natural grasses are known these two are considered inferior. For a pasture red top should be fed close, as cattle don't like it when it grows up to seed, and in a meadow it soon becomes hard and woody if not cut at the right time. It is the grass for swampy land and considerably used for lawns. Sow 14 lbs. per acre. Pound 25c, 3 lbs. 60c., postpaid. 5 lbs. or more at 10c. per lb.

FANCY CLEANED RED TOP.—Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 15c. per lb.

SWEET VERNAL.—Although this variety does not rank as high as some others for nutritive qualities, yet it is very valuable on account of its delicious perfume, when included in hay its aroma is imparted to the other grasses, enhancing the value of the hay and making it relished by the stock. The odor is more distinguishable when the

grass is drying or dried. Valuable for lawns. Sow 20 lbs. per acre. Pound 60c, 3 lbs. \$1.50, postpaid. 5 lbs. or more at 35c. per lb.

TIMOTHY.—No variety of our natural grasses is more cultivated than timothy, and for meadows it is very valuable. It is best suited to moist, rich, strong and loamy soils, where it grows to perfection, but does not succeed well on dry, sandy soil. It is very nutritious and makes good hay, but should be cut at the time of flowering. When sown with clover it makes but a small growth and must be cut young if the clover is secured in good season. It starts very slowly in spring, is a long time in coming into flower, and after cutting, the second growth is slow, feeble and of little consequence, seldom large enough to cut a second time. It is hardly suited for pasture at any time, and cattle must not be allowed to eat it close to the ground. Sow 11 lbs. per acre. Pound 25c, 3 lbs. 60c, postpaid. 5 lbs. or more at 8c. per lb.

MEADOW FESCUE OR ENGLISH BLUE GRASS.—Although it succeeds well in almost all soils, it does best on moist land. It is particularly valuable as a pasturage grass, being one of the earliest in the spring and the latest in the fall. It is very nutritious and greedily eaten by all kinds of stock, and very fattening. It is very hardy, never grows in tufts, and being tender and succulent, makes excellent hay. Is a perennial, two to three feet high, flowering in June and July. Sow 20 lbs. per acre. Pound 40c, 3 lbs. \$1.00, postpaid, 5 lbs. or more at 15c. per lb.

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 two and one-half feet high, producing an immense quantity of leaves and foliage. On account of its earliness and quick growth it is of exceptional value for permanent pastures. It furnishes the first green bite in the spring and the last in the fall, is quick to recover from close croppings, even thrives better the more it is cropped, and is heartily relished by all kinds of stock. It should not be sown alone, as it grows in tufts, but in a mixture with other grasses it should be included, so as to get a close and even sod. It stands severe drouth. Sow 14 lbs. per acre. Pound 35c, 3 lbs. \$1.00, postpaid, 5 lbs. or more at 20c. per lb.

SHEEPS' FESCUE.—This variety prefers to grow on light, sandy soil and dry uplands or hillsides. It is deep rooted and is not affected by extreme drouth. Sheep are especially fond of it, being one of the sweetest grasses and very nutritious. On account of its fine foliage and compact growth it is very desirable for lawn purposes. Sow 25 lbs. per acre. Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 20c. per lb.

CREeping BENT GRASS.—Valuable as a pasture grass and best adapted for low, moist situations. Starts early and holds out late. Of quick successive growth when cropped close. Perennial. Sow 18 lbs. per acre. Pound 40c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 25c per lb.



TIMOTHY.



KY. BLUE GRASS.



ORCHARD GRASS.



SWEET VERNAL.

KENTUCKY BLUE GRASS.—Very valuable and exceedingly popular in some sections of the country as a pasture grass. It is very productive and unusually early in spring, furnishing delicious food throughout the season for all kinds of stock. It is not easily affected by drouth or frost, is suited to any variety of soils, succeeding best on a moist, rich meadow. For permanent pastures it is particularly valuable, being of dwarf growth, therefore, not so well suited for meadows. Unexcelled for lawns. Our seed is all new crop, Kentucky grown 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 Canadian thistle, which would be a great damage to any farmer, but can be purchased at about half price. Sow 14 lbs. per acre for pasture and 40 to 50 lbs. for lawns. Pound 35c, 3 lbs. \$1.00, postpaid. 5 lbs. or more at 15c. per lb.

PERENNIAL RYE GRASS.—A nutritious permanent grass for meadows and pastures, or for mixing with other grasses for lawns. Does well on sloping banks, as its roots are fibrous and mat-like. Sow 25 lbs. per acre. Pound 35c, 3 lbs. 90c, postpaid. 5 lbs. or more at 20c. per lb.

WOOD MEADOW GRASS.—This grass is invaluable for wood pastures or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. It is relished by all kinds of stock, cattle showing a marked partiality for its fine, succulent and very nutritive herbage. It grows on almost any soil, succeeding best in moist shady places, being remarkable for its quick successive growth when closely cropped. For lawns overshadowed by trees it is particularly valuable, and it produces a very thick growth and a nice even sod. It is a hardy perennial, 1½ to 2 feet high, flowering in June. Sow 25 lbs. per acre. Pound 50c, 3 lbs. \$1.25, postpaid. 5 lbs. or more at 35c. per lb.

CREsted DOGSTAIL.—For permanent pastures on high land and dry, hard soils it is invaluable. Makes a close thick sod, and is valuable for lawns. Sow 15 lbs. per acre. Pound 75c, 3 lbs. \$2.00, postpaid. 5 lbs. or more at 50c. per lb.

RHODE ISLAND BENT.—Very valuable for permanent pasture and lawns. Does well on poor soil. Sow 25 lbs. per acre. Pound 40c, 3 lbs. \$1.00, postpaid, 5 lbs. or more at 25c. per lb.



WOOD MEADOW.

MILLET.

GOLDEN WONDER.—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 ten to fifteen 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 lbs. to the acre if for seed, or 50 lbs. if for hay. Pound 25c, 3 lbs. 60c, postpaid. 5 lbs. or more at 5c. per lb.

**GOLDEN WONDER
MILLET**

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 lbs. to the acre if for seed, or 50 lbs. if for hay. Pound 25c, 3 lbs. 60c, postpaid. 5 lbs. or more at 5c. per lb.

EARLY HARVEST.—Best and earliest of all the millets. See description on another page, and don't fail to try it. Lb. 30c, 3 lbs. 75c, postpaid. Pk \$1.50, bu. \$5.00.

MANITOBA.—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 drought, 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 three to four feet high, has an abundant growth of fodder on the stalk and bears a heavy crop of plump seed. Per lb. 25c 3 lbs. 60c, postpaid. 5 lbs. or more at 5c. per lb.



MANITOBA MILLET.



GERMAN MILLET.

ASK FOR
Special....
....Prices
on all kinds
of millet and
grass seeds.
BY THE 100 LBS.

GERMAN.—Much better than Common and yields much more. One of the best for hay or fodder crops, three to four feet high, a great yielder, large close heads. The seeds are round, of a golden yellow color. Sow 50 lbs. to the acre. 5 lbs. or more at 4c. per lb.

COMMON.—Sow 50 lbs. to the acre. 5 lbs. or more at 4c. per lb.
HUNGARIAN.—Preferred by some to millet. Sow 50 lbs. to the acre. 5 lbs. or more at 4c. per lb.

PERMANENT PASTURES. Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover and timothy alone, but such is the case. We are making a study of this subject and do not care to make a mixture to cover all cases, but if you will write us, stating kind and condition of soil, whether low or high land, and the number of acres you wish to seed down, we will take pleasure in advising you as to the kind and quantity of seed required and cost of same. We are well prepared to thoroughly mix the various kinds of seed in any desired proportion for our customers.

I bought \$30.00 worth of clover and timothy seed of you last fall, and am so well pleased with the appearance of the quality and correctness of weight, that I enclose a further order.

B. NAUMAN,
Frankfort, Kansas.

GRASS IS KING!

More Grass—More Cattle,	More Manure—More Grain,
More Cattle—More Manure,	More Grain—More Money,
But No Grass, No Cattle; No Manure; No Grain, No Crops; No Money.	

I was ever so well pleased with the clover seed I bought of you this spring. C. A. WEGENER, Littleport, Iowa.

The clover seed that I bought of you is fine; am well pleased. H. K. LANE, St. Ansgar, Iowa.

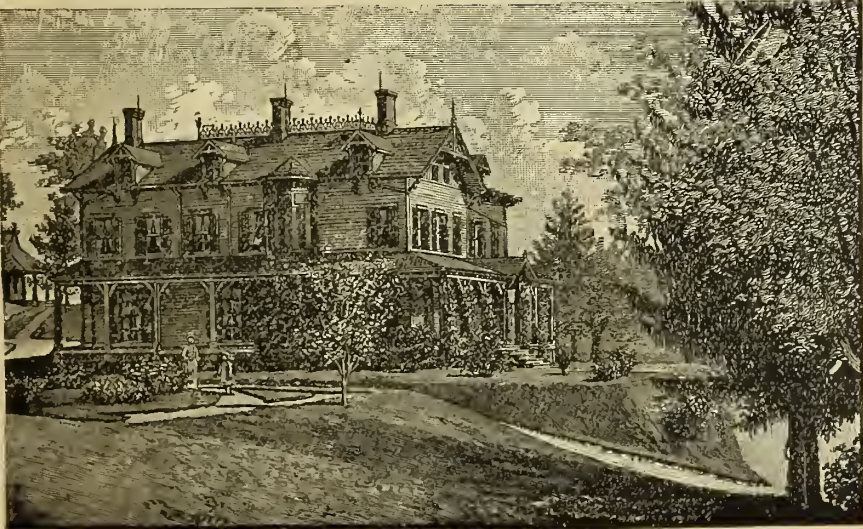
LAWN GRASS.

CENTRAL PARK LAWN GRASS.—To the attractiveness of a rural home nothing adds more 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 twenty-five feet square. This is much cheaper and makes a better lawn than sodding. Pound 3c, 2 lbs. 60c, postpaid. By express or freight, 10 lbs. \$1.90, 25 lbs. \$4.50, 100 lbs. \$15.00.

EVERGREEN LAWN GRASS.—A cheaper mixture than the above, but still very desirable for lawns and parks. Pound 30c, 3 lbs. 75c, postpaid. By express or freight, 10 lbs. \$1.60, 25 lbs. \$3.50, 100 lbs. \$12.50.

TERRACE LAWN GRASS.—For sowing on terraces or sloping ground. The roots help hold the soil in place. Pound 50c, 3 lbs. \$1.25. By express, 10 lbs. at 30c. per lb.

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



DWARF ESSEX RAPE.

A forage plant of great merit, easily grown in any part of the United States on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture at a season when it is most needed. Is of great value for sheep and lambs and when turned in on it, to use a common expression, "they soon weigh like lead." It is also of value for pasturing cattle. One acre of rape is sufficient to pasture ten to fifteen lambs on for two to two and one-half months. It is often sown



LENTILS.—Largely used in Oriental countries and is one of their principal articles of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. They are in growth similar to peas and may be used in any way that you would use shell beans, and they also make an excellent soup. Sow and cultivate same as garden peas and thresh out in the fall. All should try them. Pkt. 10c, oz. 15c. 1/4 lb. 35c, lb. \$1.00, postpaid.

BROOM CORN.

Broom straw is high in price this year, and it should encourage more farmers to plant it. Our seed is carefully selected, and every grower should plant two or more sorts, to make a crop more certain.

JAPANESE EVERGREEN.—Long brush, fine and of good color. Pound 35c, 3 lbs. 90c. By freight, 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$8.00.

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

CALIFORNIA GOLDEN.—Pound 25c, 3 lbs. 60c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

TALL OR MISSOURI EVERGREEN.—A standard sort. Pound

broadcast, about 5 lbs. to the acre, but will yield much better if drilled about 2 lbs. to the acre, in rows 22 inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July. Can, however, be sown with grain in the spring, and it is said to not interfere with the grain crop. The Dwarf Essex rape is unequalled as a pasture for sheep in the autumn, and as a fattening food is without a rival in point of cheapness and effectiveness. It will also keep a long time in early winter if cut and put in heaps like shocks of hay. Large packet 10c, lb. 40c, 3 lbs. \$1.00, postpaid. By express, 5 lbs. or more at 25c. per lb.

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. The seed crop is also heavy, sometimes yielding 60 bushels to the acre.

It does better sown in drills three feet apart, using 6 to 8 lbs. of seed per acre. Pound 25c. By express or freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$5.00.

DURRA OR SORGHUM VULGARE.—Valuable forage plant, growing to ten 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. Pound, 25c. By express, 10 lbs. or more at 6c. per lb.

I received the seed as ordered, and found them very satisfactory; in fact, your seed are the finest I have had. E. S. MILES, Dennison, Ia.



25c. 3 lbs.
60c. By freight,
10 lbs. 60c, 25 lbs.
\$1.10, 100 lbs \$3.00.
DWARF EVERGREEN.—Pound 25c,
3 lbs 60c. By freight, 10 lbs.
75c, 25 lbs. \$1.50, 100 lbs. \$4.00.

BROADCAST SOWERS.

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.

IOWA BROADCAST SOWER.—An improvement on the above in that it retains all the valuable characteristics of the Little Giant but instead of working with a riddle-bow, it is operated with a crank. We have had a large number of these made as we know they will take well with our customers. Price only \$2.00 each.

BROOM CORN. LITTLE GIANT.
By purchasing a large number for cash we are enabled to offer them at a heretofore unheard of low price. Only \$1.50 each.



LENTILS.



KAFFIR CORN

CHOICE SEED POTATOES.

With no other seed is the importance of change more essential than with the potato. By using our northern grown seed you are assured of early maturity, increased yield, and a vigorous growth. Our stock, as usual, has been grown from selected seed, and expressly for seed purposes. 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. We will ship at this time when requested to do so, regardless of the weather, but customers in this case must take the risk. When ordering late, please state whether we shall return money or send some other good kind of equal value, providing we cannot supply the sort you order. Prices are subject to any important market changes. At prices named we make no charges 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.

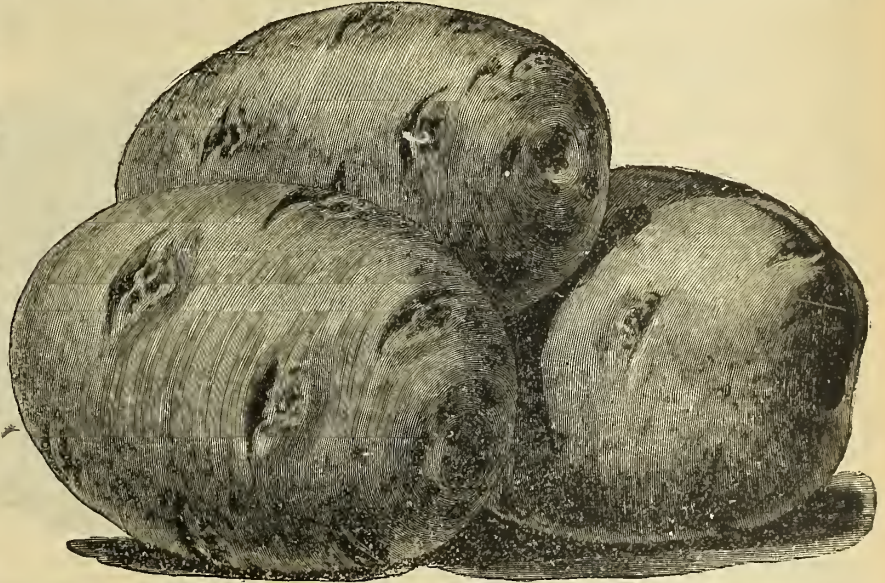
At the pound price we will send them by mail prepaid; at the peck or bushel rates they are to be sent by express or freight at expense of purchaser.

POUND PRICES.—All varieties 30c per lb., 3 lbs. for 75c, by mail, postpaid.

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 twelve years, and it proved the largest yielder of any. Large and unusually smooth, with few and shallow eyes; skin is white as is the flesh, which is of superior quality. Medium late and best drouth resister. Its only fault is that on some soils tubers are hollow. Per pk. 75c, bu. \$1.75, bbl. \$4.00.

FREEMAN.—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 pk. \$1.00, bu. \$2.25, bbl. \$5.00.

EXTRA EARLY OHIO.—*Fancy Northern Grown Stock.* For three or four years past we have been having these grown in the noted Red River valley about 450 miles north of Des Moines, and careful tests have proven them to be fully ten days earlier than our Iowa grown stock. This is a great advantage to the gardener and puts this variety at the head of the list of extra earlies. We have now in our store ready for shipment several carloads of them, and they are the nicest stock we have seen for years. They are all of good average size, strictly pure, smooth, and entirely free from scab and rot. In our tests they are positively the earliest to mature their entire crop of any variety we have ever had, and outyield other early sorts about two to one. It is a special favorite with marketmen, and the most profitable potato they can possibly grow. The sprout is very strong and the vine grows erect, making it easy to cultivate, and on account of its early maturity you can get the high prices and have the land for other crops. It does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size; few eyes, which are even with the surface. They keep firm until late in the spring. Southern growers plant this variety almost exclusively for early shipment north. With heavy manuring, close planting and good culture, a very large and profitable crop can be expected. One grower reports that for several years past the yield has been from 300 to 500 bushels per acre annually. This is our specialty in standard varieties, and we take great pains to keep the stock pure and up to its original standard. Our trade in it has doubled every year for several years past. Don't plant Iowa grown stock when you can obtain these, Per pk. 75c, bu. \$2.00, bbl. \$4.50.

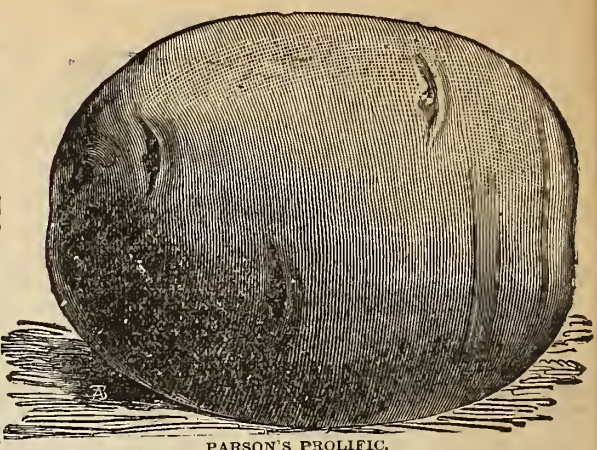


EXTRA EARLY OHIO.

COLUMBIAN PEACHBLOW.—Novelty 1893, introduced by the Iowa Seed Company. Every dealer in seed potatoes has numerous calls for the old Peachblow potato, and often in the descriptions various sorts are compared in quality to it. In this grand new variety we have combined all the good qualities of the old variety and none of the poor ones. It originated in this state from a seed ball of the White Peachblow and has been carefully grown and selected. It is an exceedingly handsome variety, the shape and peculiar marking is well shown by our illustration. It is nearly round, but slightly flattened; color a beautiful creamy white, with an irregular blotch of bright red at stem end. Sets tubers earlier than either the old Peachblow or the White Peachblow. Matures about same time as Bonanza. It is remarkably productive, exceeding any potatoes in existence that we are acquainted with in this respect, yielding 10 to 14 or more large tubers to the hill, or about twice as many as Potentate and other similar sorts and the crop averages good medium size. The eyes are very nearly level with surface, except a slight depression at the seed end, a characteristic of the Peachblow. It cooks dry and fine without "cooling off" and is unsurpassed in quality. Keeps better than any other we have ever seen or heard of. Have kept them in the ordinary way until State Fair time (about Sept. 1st) nearly one year from the time they were dug, and had them in good eating condition then. Very uniform in size, shape and characteristics. Vines very strong and robust but not tall; foliage very dark green, with flower of dark purple. Summing it all up, it is the very best potato for main crop in existence, and we hope every farmer and gardener who receives our catalogue this year will give it a trial. Pound 30c, 3 lbs. 75c, postpaid. Per pk. \$1.00, bu. \$3.00, bbl. \$6.75.



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 but 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. 75c, bu. \$1.75, bbl. \$4.00.



PARSON'S PROLIFIC.

BURBANK.—The well known late potato. Always a ready seller on the market on account of its fine appearance and splendid keeping qualities. Our stock is pure and selected, and northern grown. Per pk. 75c, bu. \$1.75, bbl. \$4.00.

MAGGIE MURPHY.—Has proved with us to be an exceptionally good variety. It is usually of large size, well rounded, plump and of excellent quality. It is of strong, vigorous growth, an enormous yield and almost absolutely blight proof. Per pk. 85c, bu. \$2.50, bbl. \$5.75.

ALEXANDER'S PROLIFIC.—We still recommend this as one of the best of our entire list. Very productive, skin white, well covered with rough netting, eyes few and lie even with the surface; flesh pure white with the finest flavor; fine grained, dry and floury. Being long, large and white, it brings the highest market price. Per pk. 75c, bu. \$1.75, bbl. \$4.00.

WHITE BEAUTY OF HEBRON.—An improvement on the Beauty of Hebron and is quite a favorite wherever known. Per pk. \$1.00, bu. \$3.00, bbl. \$6.50.

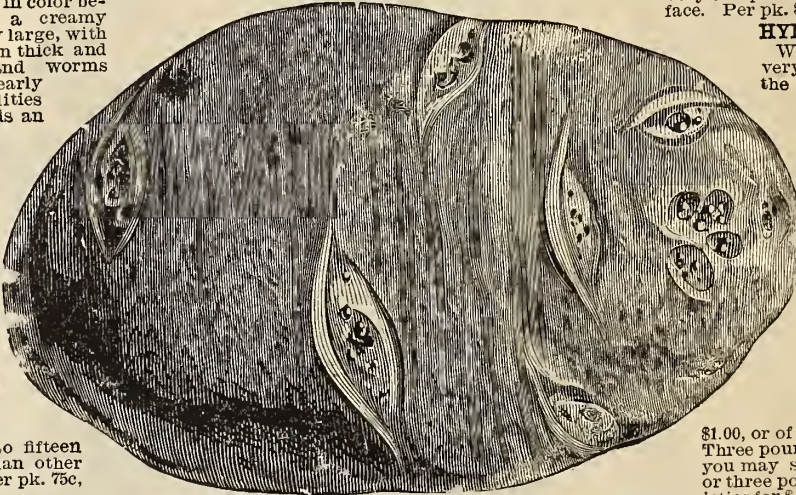
CHAMPION OF AMERICA.—A large size, fine quality potato, which has a record of having yielded immense crops in some localities and the potatoes are so large that they sell rapidly at good prices. Per pk. 85c, bu. \$2.50, bbl. \$5.75.

VAN ORMAN'S EARLIEST.—This magnificent novelty, introduced by us, originated with Van Orman Bros., of Cass county, Iowa, the originators of Burpee's Extra Early and several other standard varieties, and they call this the best of all. Smooth, of excellent shape, and

WORLD'S FAIR.—A new potato of great value for general use. It is a first quality, strong grower, very prolific, main crop variety. Tubers are smooth, eyes so nearly even with the surface as to be almost imperceptible, perfectly symmetrical in form and outline; skin yellowish white, well covered with netting; flesh pure white, fine grained and mealy. Vines grow very thick and strong; tubers grow very compact in the hill and near the surface. Per pk. \$1.00, bu. \$3.00, bbl. \$6.50.

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 one to three weeks earlier than the Early Rose or Beauty of Hebron. Per pk. \$1.00, bu. \$3.00, bbl. \$6.75.

BONANZA.—This magnificent variety, which we introduced in 1887, is a medium late, and has become one of the leading varieties for main crop. The tubers are large, oblong, somewhat flattened, skin smooth, flesh firm, white and fine grained. Productive and of superior quality. They sell on the Des Moines market at ten to fifteen cents per bushel more than other varieties for table use. Per pk. 75c, bu. \$1.75, bbl. \$4.00.



VAN ORMAN'S EARLIEST.

EARLY BEAUTY OF HEBRON.—A standard early sort. Our seed is Minnesota grown, and will prove satisfactory. Per pk. 75c, bu. \$1.75, bbl. \$4.00.

EARLY ROSE.—Minnesota grown stock of this famous old sort, and will please those with whom this variety is a standby. It will pay you to change your seed. Per pk. 75c, bu. \$1.75, bbl. \$4.00.

cheap so as to enable you to test all the best kinds at a nominal expense. **Peck Collection.** One peck each, Extra Early Ohio, Freeman, Columbian Peachblow and Parson's Prolific for only \$2.50. Purchasers of this collection have two excellent early and the two best late varieties.

HYBRIDIZED POTATO SEED.

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 this year. It is from such seed that all the choice new varieties of potatoes are originated, and there is much interest in growing them. Sow in fairly rich soil and give them good cultivation. The second year they develop their characteristics. Per pkt. 15c, 4 pkts. for 50c, postpaid.

Pound Collection.

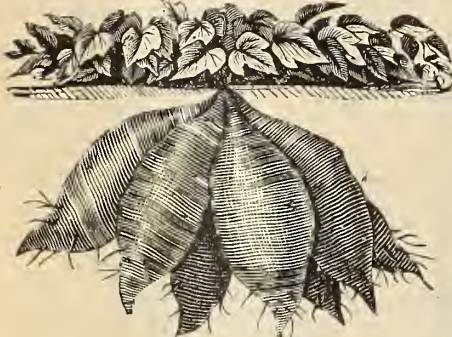
One pound each of any ten varieties that you may select from our list for \$1.00, or of the fifteen varieties for \$1.50. Three pounds each of any ten varieties you may select from our list for \$2.50, or three pounds each of the fifteen varieties for \$3.75. These are very desirable collections and we have made them

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 reshipped 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 the 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. \$4.00.

YELLOW NANSEMOND.—The old standby; by some growers considered equal to the Jersey. Per pk. 65c, bu. \$2.00, bbl. \$4.00.



RED JERSEY, RED NANSEMOND, WHITE SOUTHERN QUEEN.—We can supply choice seed stock of these varieties, if ordered by April 5th, at 75c per peck, \$2.25 per bushel, \$5.00 per barrel.

SPECIAL.—Seed sweet potatoes are scarce this year, and prices are subject to change. Better write us for special prices, stating quantity desired.

USE SLUG SHOT to kill the bugs. A combination of the most potent insecticides and soluble plant food. When ordering your seeds, order a five or ten pound package and use as per directions given with each package. 5 lbs. for 35c, 10 lbs. 65c, 50 lbs. \$3.00, 100 lbs. \$5.00.

CONCAVE AND CURVED SEED POTATO KNIFE.—It is thin and right shape to cut one, two and three-eye pieces fast and not crack the tuber nor injure the germs. Sure to please. Price 35c. each, postpaid.



FLOWER SEEDS.



I LOVE FLOWERS. DON'T YOU?

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 yield a better assortment 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 \$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) when the ground is wet. Many varieties, such as pansy, verbenas, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in 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 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.

NOVELTIES.—Our list contains all of the most desirable novelties, but instead of separating them we have placed them in alphabetical order with the others, and we believe our customers will find it more convenient for them in ordering. We have this year carefully revised all the descriptions, changing some of them after comparing with the flowers in the field, and we believe no more correct or complete list of desirable sorts can be found in any catalogue.

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.

All flower seeds are sent free by mail on receipt of price.

Grandmother's Collection.

(Col. No. 7.)

Consists of 10 packets of the old-fashioned favorite flowers, our selection of varieties. Many of these are now beginning to come into favor again and will please young and old. Price 25c.

These collections are put up ready for mailing and cannot be changed or divided. We will furnish all three collections for 85c. They do not duplicate with each other.

Gem Collection.

(Col. No. 8.)

Consists of 10 packets of the latest flower novelties. Our selection, but very desirable and everybody will want them. Try this grand collection and you will be pleasantly surprised at the result. Price 50c.

Children's Collection.

(Col. No. 9.)

Of course the children will want a garden and we desire to encourage them and so offer 6 packets of easily grown flower seeds blooming the first year, our selection of sorts for only 15c.

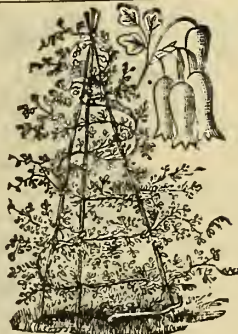


ABRONIA.

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. In beds sometimes one plant covers a yard square and is full of bloom. Best colors mixed. Pkt. 3c.

ABUTILON.

A handsome greenhouse plant. Fine mixed. Pkt. 25c.



ADLUMIA.

(Mouuntain Fringe). A beautiful hardy perennial vine, with fern-like foliage of a pale green color, with pretty flesh-colored blossoms. It is also called Alleghany Vine. Pkt. 10c.

ACROCLINUM.

Elegant summer flowering annuals, forming plants about one foot high, bearing quantities of large double flowers of white, rose, etc., 1 to 2 inches across. Splendid everlastings for winter bouquets. Mixed colors. Pkt. 3c.



AGERATUM.

MEXIGANUM.—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.

ADONIS.

ESTIVALIS.—Brilliant scarlet. Blossoms throughout the season. Foliage is graceful and feathery. Height one foot. Pkt. 3c.



AGROSTEMMA.

A very hardy plant introduced from Russia, suitable for border plants.

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.



ASTERS.

The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers make it a leading favorite. For a late summer and fall display it has no equal. Give the aster a deep, rich soil, with plenty of mulching, and it will surprise even its friends with its profusion of richly-colored perfect flowers. Plant early as possible.

NEW DIAMOND.—(See cut, No. 1.) The flowers are extremely beautiful, 2 to 2½ inches across, and the plants grow 18 to 21 inches high. All the stems and branches are terminated by perfect flowers, the entire plant appearing a mass of bloom. The colors range from pure white to blackish purple, and dark, rich crimson. Pkt. 15c.

NEW TRIUMPH.—(No. 2.) The most beautiful and most perfect of all dwarf asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from 2½ 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. Pkt. 10c.

SNOWBALL.—(No. 3.) A beautiful and distinct variety, 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. Well adapted for pot culture. This is a valuable acquisition to the aster family, being a novelty of decided merit. Pkt. 15c.

PERFECTION.—(No. 4.) Truffant's Improved Pæony Flowered. A favorite class; thrifty, upright growers; flowers large (4 inches across) and almost perfectly round, with incurved petals; height 18 inches to 2 feet. Our mixture contains many exquisite colors. Pkt. 5c.

CROWN.—(No. 5.) 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.

COMET.—(No. 6.)—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. Per pkt. 10c.

HARLEQUIN.—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.

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.

DWARF GERMAN.—Mixed colors. Pkt. 10c.

PYRAMIDAL BOUQUET.—Very fine, mixed colors; each plant forms a bouquet. Pkt. 10c.

HEDGE HOG, OR NEEDLE.—Very peculiar, long quilled petals, handsome and sure to attract attention. Pkt. 10c.

NEW WASHINGTON.—The largest aster in cultivation, 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.

COLLECTION OF ASTERS.—One pkt. each of the 12 varieties named above 85c.

ALL KINDS MIXED.—Seeds of most of the varieties in above list. Pkt. 5c.

ONE
PACKET
..EACH..
OF THE
7 GRAND SORTS
NAMED ABOVE
FOR
50 Cts.

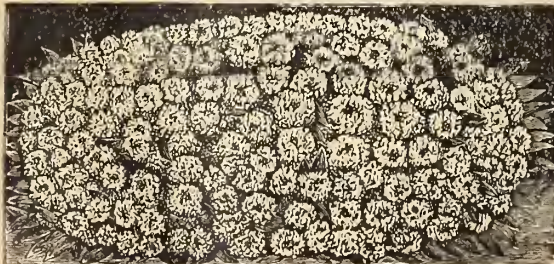


HARLEQUIN ASTER.

ALYSSUM.

SWEET.—Has pretty little white flowers, useful for making up in all kinds of small bouquets. Its fragrance while sufficiently pronounced, is very delicate. Makes a pretty border and is one of the best plants for a basket or pot. Pkt. 3c.

LITTLE GEM.—The plants are very dwarf and remarkably uniform in growth; grows only 3 or 4 inches high, and each plant spreads so as to completely cover a circular space 12 to 20 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. Deliciously fragrant. More than four hundred clusters of flowers in full bloom have been counted on a single plant. Pkt. 5c.



LITTLE GEM SWEET ALYSSUM.

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.—(Ponatin Plant.) Handsome form, beautiful foliage; very desirable for centers of beds, borders or pot culture. Pkt. 7c.

MIXED VARIETIES.—Pkt. 5c.



AMARANTHUS.

AMPELOPSIS.

VEITCHII.—(Boston Ivy.) A good wall plant, clinging to the smoothest surface. Perennial and perfectly hardy. Pkt. 10c.

AMOBIIUM.

ALATUM GRANDIFLORUM.—Very hardy, everlasting, with pretty, double, white flowers. Useful for bouquets. Pkt. 4c.

ANAGALLIS.

Low growing plants with remarkably bright, handsome flowers; mixed varieties. Pkt. 10c.

ANTIRRHINUM. (Snapdragon.)

One of the most beautiful and useful border plants, blooming profusely the first season from seed, until after frost. The roots may be carried through the winter with protection, and well repay for the trouble by the abundance of bloom through the entire summer. Our mixtures contain all the new and choice colors, including the beautifully striped, variegated and margined.

TALL VARIETIES MIXED.—Pkt. 5c.



ANTIRRHINUM.

TOM THUMB.—A collection of the most beautiful, very dwarf varieties; mixed colors. Pkt. 7c.

AQUILEGIA. (Columbine.)

Too much praise cannot be given to these elegant, free-flowering, and deservedly popular hardy plants, blooming profusely through the spring into early summer. Hardy perennial.

MIXED VARIETIES.—Pkt. 5c.

WHITE.—Blooms on Decoration Day. Very desirable for cemetery. Per 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 firm, and of a pleasant light green color. Mixed colors. Pkt. 3c.



CAMELIA-FLOWERED BALSAM.



ARABIS

ASPERULA.

AZUREA SETOSA.—A hardy, dwarf growing, little annual producing an abundance of small, light blue, sweet-scented flowers. Fine for bouquets. Pkt. 5c.

BALSAM.

Of the most beautiful of our annuals, and under the old names, *Lady Slipper* and *Touch-Me-Not*, has always been popular. but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double as the rose; very striking in their rich coloring, ranging from pure

white to rich dark crimson.

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 bluish color. Pkt. 5c.

DOUBLE WHITE.—Very desirable, and largely used by florists. Pkt. 5c.

PEARLESS 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 hundreds of flowers. Pkt. 10c.

ALL VARIETIES MIXED.—Pkt. 5c.



REX BEGONIA.

BEGONIA.

SINGLE TUBEROUS-ROOTED.—Finest new single varieties mixed; flowers very large. Pkt. 15c.

DOUBLE MIXED TUBEROUS-ROOTED.—Pkt. 25c.

VERNON.—Comes absolutely true from seed. The plants grow rapidly and thrive amazingly under our hot summer sun. Per pkt. 15c.

REX.—Ornamental leaved varieties. Extra fine mixed. Pkt. 15c.

MIXED VARIETIES.—Many excellent flowering varieties. Pkt. 15c.

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. Mixed colors. Pkt. 5c.

BRACHYCOME.

Also called "Swan River Daisy." Very pretty low growing plants, fine for borders, rustic work or pot culture, covered during summer with a profusion of cineraria-like flowers. Half-hardy annual. Mixed blue and white. Pkt. 5c.



BRACHYCOME.

BROWALLIA.

ELATA.—Produces very delicate and handsome flowers in great abundance. Mixed. Pkt. 10c.

BALOOON VINE.

A very pretty and rapid growing climber, succeeding best in a warm situation. It produces a very curious inflated capsule from which it derives its name. Pkt. 5c.



BRYONOPSIS.

A pretty climber, with ivy-like foliage and beautifully marked green fruit, which changes to bright scarlet marbled white. Half hardy annual. 15 feet. Pkt. 5c.

CALLIOPSIS.

Many of our most showy flowers are slighted because they are common and grow anywhere without trouble or care, almost like weeds. One of these is the calliopsis. Were it a new thing just introduced, it would be considered a novelty of rare excellence.

MIXED COLORS.—Produces flowers in nearly every shade of yellow, orange, crimson, red and brown. Pkt. 5c.

GOLDEN WAVE.—

Plant very bushy and compact, reaching 2 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. Pkt. 5c.

CALENDULA.

Belongs to the well known marigold family.

OFFICINALIS LE PROUST.—Very double, nankeen colored. Fine Pkt. 5c.

METEOR.—A new variety; very fine for pot culture, bearing large light yellow flowers, striped with bright orange. Pkt. 5c.

PRINCE OF ORANGE.—Similar to Meteor, but much darker. Pkt. 5c.



GOLDEN WAVE CALLIOPSIS.



ORIOLE CALENDULA.

the blossoms literally hiding the plant. Perennial. Pkt. 10c.

MACROSTYLA.—A very curious shaped, handsome large violet flower; remarkably fine. Pkt. 10c.

CANDYTUFT.

Universally known and cultivated and considered indispensable for cutting. All the varieties look best in beds or masses; hardy, easy to cultivate, and bloom profusely. Hardy annuals, 1 foot high.

SNOW QUEEN.—A new 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. Valuable for ribbon beds or borders. Pkt. 8c.



CUP AND SAUCER CAMPANULA.

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

CANNA.

Fine foliage plants of a highly decorative character; their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. They are easily raised from seeds which should be soaked in hot water for several hours.

MIXED VARIETIES.—Pkt. 5c, oz. 10c.

CROZY'S MIXED.—Very large flowering sorts. Choice mixed. Pkt. 10c.

CANTERBURY BELLS.

One of the best known and most popular biennials. Produces an abundance of richly colored bloom.

SINGLE MIXED COLORS.—Pkt. 5c.

DOUBLE MIXED COLORS.—Pkt. 5c.

CELOSIA. (Cockscomb.)

One of the most beautiful flowers that can be grown in the open ground. Produce large, ornamental comb-like heads. For summer beds we know of nothing that will produce as showy and brilliant effects. Can be preserved for winter bouquets by cutting off the heads before they are ripe, and drying in the house.



CANARY BIRD FLOWER.

ORIOLE.—The extra large double flowers are indescribably rich and glowing in tone, of an intensely bright golden yellow, wonderfully free flowering. Pkt. 10c.

FINE MIXED.—Pkt. 3c.

CAMPANULA.

SPECULUM.—(Venus' Looking Glass.) Handsome for masses; hardy, free bloomers. Double mixed. Pkt. 5c.

CUP AND SAUCER.—A beautiful variety. The bell 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.



SPECULUM CAMPANULA.

CORONARIA. (Tom Thumb). Dwarf. Pkt. 5c.

DUNNET'S CRIMSON.—A 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. 5c.

CACTUS.

FINE MIXED VARIETIES.—Pkt. 15c.



SNOW QUEEN CANDYTUFT.



CANTERBURY BELLS

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 measured 10 to 12 inches in diameter. Start seeds early. Pkt. 10c.

JAPONICA.—A very bright crimson variety, large and finely cut. 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.

ALL VARIETIES MIXED.—Pkt. 5c.



PYRAMIDALIS PLUMOSA.

COCCINEA.—A handsome free flowering little plant owing to the peculiar form of the flower, it is sometimes called Little Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.

CINERARIA.

HYBRIDA.—Very handsome greenhouse plants; fine mixed. Pkt. 20c.

MARITIMA.—Silver-leaved. Pkt. 5c.

CATCHFLY.

A very pretty and showy little plant. Mixed colors. Pkt. 2c.

CLEOME.

PUNGENS.—(The Giant Spider Plant.) Growing vigorously four or 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. Pkt. 5c.

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.

GIANT EMPRESS.—Very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress 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. Pkt. 10c.

GOLDEN JAPANESE.—One of the most attractive novelties of the season. Plants large and produce many handsome flowers six to ten inches in diameter and of a most attractive bright, rich golden yellow color, different and more velvety than the yellow in any other flower that we know of. Try it. Pkt. 10c.



GIANT EMPRESS CELOSIA.

CENTROSEMA.

GRANDIFLORA.—Absolutely new to cultivation but 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. 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. Pkt. 15c.

CACALIA.

COCCINEA.—A handsome free flowering little plant owing to the peculiar form of the flower, it is sometimes called Little Flower or Flora's Paint Brush. Scarlet. Pkt. 5c.



GRANDIFLORA CENTROSEMA.

CENTAUREA.

CYANUS.—Called Ragged Sailor, Corn Flower, Blue Bottle, Bachelor's Buttons and Bluet. A very old favorite garden annual, flowering freely in almost any situation; height, 2 to 3 feet. Mixed colors. Pkt. 3c.

CYANUS DOUBLE.—A most charming sport from the above, well shown in our illustration. Flowers very large and globular. A continuous bloomer, and becoming quite popular. Our mixture contains a great variety of colors. Pkt. 10c.

MOSCHATA.—(Sweet Sultan.) Mixed colors. Pkt 5c.

MARGUERITE.—All who saw this grand new variety on our trial grounds the past season united in pronouncing it one of the handsomest novelties ever brought out. It is named after the lovely Queen Marguerite of Italy. Plants grow about eighteen inches high and are of the easiest culture. The large flowers are of



MARGUERITE CENTAUREA.

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DOUBLE CENTAUREA.

the purest white, deliciously scented, exquisitely lacinated, and freely produced on long stems which render them invaluable for cutting. The illustration does not do the flower justice, and gives but a faint idea of its exquisite unique beauty. Entirely different from all other flowering plants and sure to attract attention. Pkt. 10c.

CARNATION.

The finest of the dianthus or pink family; very fragrant. Our seed is unsurpassed.

MARGUERITE.—A decided novelty. The plants are of healthy and vigorous growth, and the flowers are produced in the greatest profusion. They run through quite a variety of colors, white, scarlet, carnine, 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. Pkt. 10c.

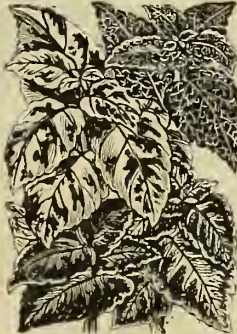
DOUBLE EXTRA MIXED.—Pkt. 15c.

SELFS MIXED.—The one color sorts Pkt. 10c.

PERPETUAL, OR TREE.—Pkt. 25c.

COLEUS.

One of the most popular foliage plants. It is very decorative in the flower border, and easily grown from seed, which frequently produces new and distinct varieties. Half hardy perennial. Pkt. 15c.



COLEUS.

COCKSCOMB. (See *Celosia*.)

COBOEA SCANDENS.

One of the most magnificent climbers, prized for its rapid growth (often twenty to thirty feet) and an abundance of beautiful blue flowers. The seed should be planted edgewise in moist earth—a pot or box is best—and water sparingly till plants are two or three inches high. Pkt. 10c.

WHITE.—New and elegant. Pkt. 10c.

CHRYSANTHEMUM.

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.

NEW DOUBLE ANNUAL.—A valuable and most unique novelty. They are extremely variable and it is impossible to describe the beautiful forms which have been produced, as conveyed by our engraving. A great variety of colors, markings and pencillings. Although mostly very double, there will be an occasional semi-double, or even single. Pkt. 10c.



CLARKIA.

INDICUM POMPOM.—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.

MIXED VARIETIES.—Includes all the best. Pkt. 5c.

CLARKIA.

A very desirable hardy annual for bedding purposes; growing freely and blooming profusely in any common garden soil. Fine mixed. Double and single. Pkt. 3c.

COSMOS.

A magnificent race of plants growing about 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. About 2 inches in diameter; rose, purple, flesh color, and pure white. As a cut flower for vases or personal wear, its grace and beauty is unequalled. Easily raised from seed; if sown early, blooms the first season. All colors mixed. Pkt. 10c.

CUPHEA.

PLATYCENTRA.—(Cigar Plant.) Greenhouse plant, also makes a handsome border. Flowers of bright scarlet, tipped with black and white. Pkt. 15c.

PURPUREA.—Fine mixed. Pkt. 5c.

DOLICHOS.

LABLAB.—(Hyacinth Bean)—An excellent climber for fences and exposed places; mixed. Pkt. 5c.

DELPHINIUM.

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. Showy for back grounds and borders, and are beautiful when planted among shrubs. They thrive in any ordinary garden soil. Fine mixed colors. Pkt. 3c.

The Ladies Say.

I was much pleased with all seeds bought of you last year. MRS. ELIZA MCKERRAL, Green Mt., Ia.

Everyone who sees my garden is pleased with the appearance. I can assure you that I heartily recommend the Iowa Seed Co.'s seed to all. MRS. A. C. WATSON, Horton, Mich.



MARGUERITE CARNATIONS.



NEW DOUBLE ANNUAL CHRYSANTHEMUM.

CONVOLVULUS.

Popularly known as Morning Glories.

IMPROVED CLIMBING.—(Major)—Everybody knows the common morning glory, but many of the choice new varieties contained in this mixture are indeed rare. It will be found to include the marbled and striped sorts, varieties with marbled and lacinated foliage, the ivy-leaved kinds—in short—the largest variety of morning glories ever offered in one package. Flowers of large size, and plants climb to a height of twenty to forty feet in one season from seed, producing thousands of flowers. Pkt. 7c, oz. 30c.

MAJOR STRIPED.—Large, handsome flowers of great beauty. On a white ground they are variously striped and blotched with red, blue



STRIPED CONVOLVULUS.

and rose. Pkt. 5c.

BLACK.—A new color, and surely none could be so odd and unique as black, the rarest color among flowers. It does not differ from the ordinary morning glory in any other respect. The flowers are of large size and freely produced. Pkt. 10c.

MAJOR MIXED.—Ordinary mixture. Pkt. 2c, oz. 10c.

MINOR.—(Dwarf Morning Glory)—These beautiful bush morning glories grow only about one foot high; the flowers are freely borne, and, if pleasant, remain open all day. The plant spreads with much regularity in all directions, and a bed of them is a beautiful object throughout the summer. Mixed colors. 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.

NEW IVY-LEAVED.—Entirely distinct from all other varieties, both in flowers and foliage. The



CYPRESS VINE.

ivy-like leaves make a dense screen from which the pretty fiery orange-scarlet flowers stand out in countless numbers. It is quick growing and sure to please all who try it. Pkt. 10c.

SCARLET.—Very bright. Pkt. 5c.

WHITE.—Pretty in contrast with scarlet. Pkt. 5c.

MIXED COLORS.—Pkt. 5c.

CYCLAMEN.

PERSICUM.—One of the handsomest of greenhouse plants. Foliage is handsomely marked and the flowers beautiful. Seed should be sown under glass in well rotted compost and sand. Tuberous rooted, blooming second year. Best strain. Mixed colors. Pkt. 25c.



CYCLAMEN.

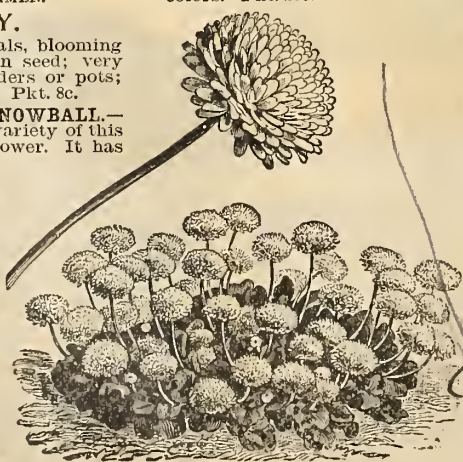
DAISY.

Popular perennials, blooming the first year from seed; very handsome for borders or pots; best double mixed. Pkt. 8c.

NEW GIANT SNOWBALL.—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 fair trial, and it will be sure to please you. Pkt. 15c.

DIAMOND FLOWER.

A very pretty little plant covered with numerous small shining flowers. Pkt. 10c.



GIANT SNOWBALL DAISY.



DATURA CORNUCOPIA
COPYRIGHTED 1893 BY A. BEAL.

DATURA.

A large, strong growing plant, with trumpet-shaped flowers, and bearing blooms of large size.

CORNUCOPIA.—A magnificent novelty of striking beauty. The plant is of robust habit, about three feet high. The stems, of dark purplish maroon, shine as if varnished. The flowers average eight inches long by five inches across the mouth, are formed of two to three flowers growing one within the other, the interiors being glistening French white, contrasting beautifully with the mottled royal purple exteriors. The flowers are delightfully fragrant. Seeds started early in the house will produce plants that will flower from early summer until frost. Often from 200 to 300 flowers are borne in a season. For specimens in the garden, this novelty is extremely beautiful. Pkt. 15c.



MOURNING PINK.

fact, one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. They live over winter and bloom as well the second year as the first. They are quite as pretty for pot plants in the house as carnations. Indeed, their variety of color is more varied and pretty, while they are freer bloomers. Plants from seed grow and bloom very quickly. We know we are doing our customers a kindness by urging them to plant the dianthus for both garden and pots.

MOURNING PINK.—A magnificent new variety, with very double large flowers of a very dark mahogany, almost black, each petal edged with a clear cut margin of pure white. Pkt. 10c.

HEDEWIGI.—Finest selected single mixed. One of the most showy of the pink family. Pkt. 5c.

NIGHTINGALE.—A very profuse large flowering sort of pure satiny white, very handsome flowers four or five inches in diameter and 8 to 10 inches long. Pkt. 10c.

DOUBLE VARIETIES MIXED.—Pkt. 5c.

DIANTHUS.

The dianthus, or Chinese pink, has long been a great garden favorite. It is, in



HEDEWIGI.



1895 COLLECTION

AMERICAN BANNER LARKSPUR	Per Pkt.	15 Cts.
FANCY FLOWERED GIANT PETUNIA	" "	20 "
PERFECTED SWEET PEAS	" "	10 "
INTERNATIONAL MIXED PANSY	" "	25 "
CROWN OF PERFECTION PINKS	" "	10 "
DIAMOND FLOWER	" "	10 "
IMPERIAL NASTURTIUMS	" "	10 "

The entire collection for 60 Cents.

Don't Fail to Try These SUPERB : FLORAL : NOVELTIES.

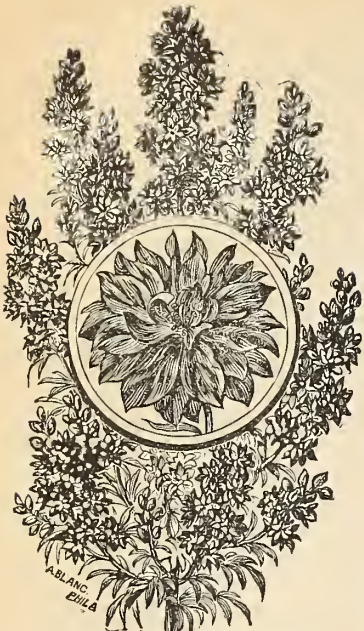
We want every one of our customers to try the seven grand floral novelties illustrated on our colored plate, and have therefore put our price extremely low on them. They are all of the easiest culture, sure to do well with ordinary treatment, and produce an abundance of most beautiful flowers. We have 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.

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 presents 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 lead 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 Fancy Flowering Giant Petunias.

This is the most costly and scarce seed we have, and the cost of production is so great that the crop is actually more than the same weight of gold. It is unquestionably the finest and most thorough selection of Petunias in existence. They are of enormous size (4 to 5 inches across), and exquisitely ruffled and fringed, but their great merits lie in the tremendous varieties of colors, markings, veinings, blotchings and stripings, in the most grotesque and beautiful combinations; some with charming deep throats of yellow, white, black green or maroon, running off into intricate veins. Some of the colors are rich and gorgeous and others of lovely delicate shades. In order to fully introduce this magnificent class of Petunias, we make the price very low. Per pkt., 20c; 3 pkts., 50c; 7 pkts., \$1.



AMERICAN BANNER LARKSPUR.

Perfected 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 Perfected 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. The 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; 1/4 lb., 55c.

International Mixed Pansies.

In almost every country in the world there are Pansy specialists, 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.

Crown of Perfection Pinks.

A great improvement in the garden pinks. The flowers are immense, averaging six inches in circumference, are densely double, and are produced in perfect succession during the whole summer and autumn in such numbers as fairly to crowd each other for room. There is a wonderful diversity of colors, from purest satiny white to red shades so deep and intensely brilliant that the eye can scarcely penetrate their velvety depths; soft pinks and flesh tints more dainty than brush could lay; and a large proportion of flowers hieroglyphically marked with various hues, the delicate tints and deep tones mingling in exquisite contrast.

They succeeded with everybody and everywhere. Seeds sown in the open ground in early spring will produce blooming plants by early summer, each plant forming a compact little bush about one foot high by a foot across; where bedded in quantities the effect is gorgeous in the highest degree. Per pkt., 10c.

COLLECTION. One packet each of the seven charming floral novelties described above for only 60 cents.



INTERNATIONAL MIXED PANSIES.

Diamond Flower.

A dainty little annual with tufts of tiny foliage, and beautiful little white and violet-blue flowers that bloom within a month from the time seed is sown. It will grow in the open ground, or in rock-work, or in pots, never exceeding three inches in height, and rarely two. The tiny flowers have a glistening sheen that has given them their name of Diamond Flower, and being surrounded by a wreath of bright green foliage, they show to a wonderful advantage. For pot culture in winter it is just superb. Sprinkle a few seeds in a small pot or saucer, or in pots where other plants are growing, and within a month you will have the most charming mat of foliage and flowers—covering the surface of the soil like moss—that you ever saw. In the fall the self-sown seed will come up and bloom profusely from October until the ground freezes, and begins again early in the spring. Per pkt., 10c.

Imperial Nasturtiums.

If we were asked to name the six best annuals, the Nasturtium would be one of them. They are so easy to grow that a six-year-old child could plant them and care for them, and they have every good quality of a bedding plant—compact habit, attractive foliage, intensely bright and beautiful flowers, borne profusely the whole season, not troubled by insects, and standing dry weather well. Our Imperial Nasturtiums consist of about twenty of the best dwarf varieties, selected from both American and foreign growers. When planted in beds will produce a most gorgeous display of beautiful flowers of all shades of color. Per pkt., 10c; oz., 25c.

**A BIG \$15.00 : :
: : INVESTMENT.**

Seventy-five lbs. (five bushels), Central Park Mixed Lawn Grass Seed, which is sufficient for an acre, and a 14-inch Columbia Lawn Mower for only \$15.00. It will add \$500 to the value of any farm to have a nice lawn around the house.

THE WESTERN GARDEN Is full of valuable information each month on gardening and floriculture. It will be sent for one year free to any purchaser of Seeds or other goods to the amount of \$1.00 or more when no other premium or discount is given. The Western Garden is a monthly paper, well illustrated. Ask for it.



NEW TOM THUMB DAHLIA.

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.

CROWN OF PERFECTION.—The latest introduction and the handsomest of all. Very large and handsome flowers. Pkt. 10c.

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. 7c.

NEW TOM THUMB.—A radical departure in the way of dahlias and is really beautiful. The perfect little plants, only twelve to fifteen inches high, are of a 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 slow, 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 effect. See cut. Pkt. 10c.



EUPHORBIA VARIEGATA.



EDELWEISS.

ing leaves soon become blazed with 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. Pkt. 10c.

EDELWEISS.

The flowers are pure white, star-shaped, and of a downy texture. This is the true edelweiss of the Alps, well known and so much prized by tourists in Switzerland. Pkt. 15c.

ESCHSCHOLTZIA.

California popples. Showy summer flower plants; large saucer-shaped flowers of striking brilliancy in the sunlight. They flower profusely throughout the season.

SINGLE.—Mixed colors. Pkt. 5c.

DOUBLE MIXED.—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 10c.



ESCHSCHOLTZIA.

FREESIA.

REFRACTA ALBA.—Bears peculiar clusters of white flowers of the most delicious fragrance, which lasts a long time, even after being cut. Start seeds 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.



FREESIA.

greenhouse plants. Easily grown from seed. Finest double and single mixed. Pkt. 15c.

FERNS.

Fine novel varieties. Pkt. 15c.

FOX GLOVE.

See *Digitalis*.

FEVERFEW.

See *Matricaria*.

FUCHSIA.

HYBRIDA.—Well known



FUCHSIA.

showy plants, one to two feet high. Grown in masses they are especially effective; large flowers, two or three inches across, produced from early summer until frost. Unrivaled for cutting.

LORENZIANA.—New double. One of the finest annuals grown for bedding and cutting. Pkt. 8c.

PERFECTION.—An improvement on the above sort, producing very double flowers as round as a perfect ball in the most varied and pleasing colors. The flowers are borne on long, slender stems and when cut will keep for over a week. Pkt. 10c

ALL VARIETIES MIXED.—Pkt. 3c.

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.

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.



GERANIUM.

WE WANT

A good live agent to solicit orders for us in every locality. It is pleasant work to talk of flowers and gardening. A lady will often succeed as well or better than a man, and a wide-awake boy or girl will frequently make \$1.00 to \$2.00 per day. It requires no capital, and you can put in your spare time or work all the time, just as you wish. Don't delay, but send for TERMS TO AGENTS at once.

Iowa Seed Co., Des Moines.

Grass

Pink.



Profuse blooming and handsome dwarf annuals for massing in flower beds; flowers borne in clusters; plants six to twelve inches high.

TALL VARIETIES.—Mixed. Pkt. 4c.

DWARF VARIETIES.—Mixed. Pkt. 4c.

GYPSOPHILA.

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.

GLOBE AMARANTH.

"Bachelor's Buttons," and the "amaranth" of the poets. They are annuals, forming bushy plants about two feet high, and bearing sometimes several hundred flowers of purple, white, striped, etc. Very ornamental as summer-blooming plants, and for everlasting indispensable. Mixed colors. Pkt. 5c.



GLOBE AMARANTH.

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. The flowers are a 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 dewdrops 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. Oz. 5c, lb. 40c.

HYACINTHUS.

CANDICANS.—Throws up flower stalks three to four feet high with beautiful white, drooping flowers; fine for mixing in beds of gladiolus; blooms second year. Pkt. 5c.

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.

GLOXINIA.

Greenhouse plants, producing richly colored and brilliant flowers. Finest strains of new hybrids; mixed. Pkt. 25c.

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 as the state flower. Greatly admired everywhere; easily grown from seed. Pkt. 5c.



GLOXIA.

GODETIA.

Handsome and showy annuals about one foot high, of dwarf, compact growth bearing freely large flowers three to four inches across, of exquisite colors and shades that glisten in the sunlight like satin.

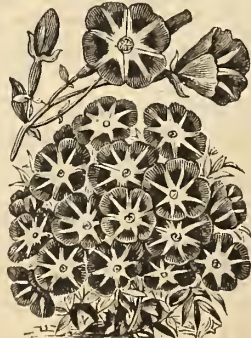
LADY SATIN ROSE.—The flowers, produced in remarkable abundance, are of a brilliant deep rose pink, the surface shining like satin. Pkt. 8c.

MIXED VARIETIES.—All colors. Pkt. 5c.

HELIANTHUS. (Sunflower.)

Some varieties of this well known plant are very ornamental, and are effective in proper situations, in large shrubby borders or as screens.

SILVER LEAVED.—But few who see this splendid new plant would imagine that it was a sunflower. It grows three to four feet high. The leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. The flowers are a 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 dewdrops it is really magnificent. Pkt. 10c.



GODETIA



HELIOTROPE.

bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice variety. Pkt. 10c.

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. 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 blossom freely the second year also. Our seed is the 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.

CHATER'S SUPERB MIXED.—An unequalled mixture of seventeen prize varieties, including all colors and shades known. Pkt. 15c.

FINE MIXED.—Contains a good variety. Pkt. 5c.



HELICHRYSUM.



COPYRIGHTED 1893
BY WAB.&CO.

NEW JAPANESE VARIEGATED HUMULUS.

HUMULUS. (Hop.)

NEW JAPANESE VARIEGATED.—We recommend this extremely handsome and distinct climbing vine as very valuable for trellis and high places. Where an attractive, ornamental climber is desired, that will stand rough usage, we have nothing better. The leaves are strikingly variegated and marked; the first color is bright, deep green, distinctly marked and blotched with silvery white tinged with yellow; now and then a leaf will be almost snowy white, and another one not far away almost green. A superb, strong grower, twenty to thirty feet in a few weeks' time; not injured by heat or insects. Pkt. 15c, 2 for 25c.

HELIOTROPE.

A great favorite with all lovers of flowers for their beauty and fragrance; well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice variety. Pkt. 10c.

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. Blooming plants can be raised the first year as easily as



HOLLYHOCK.

HELICHRYSUM.

This is probably the most valuable of all everlasting. Its large flowers are perfectly double and of the most brilliant colors. Cut the flowers when they first begin to expand and dry with stems straight.

MONSTROSUM.—Mixed colors. Pkt. 5c.

HIBISCUS.

A branching plant of the easiest culture, with rather pretty foliage, and large exceedingly showy blossoms. Hardy annual, 2 ft. high.

AFRICANUS.—Cream colored blossoms, purple in the center. Pkt. 3c.

CRIMSON EYE.—A robust grower, with dark red stems and foliage. Flowers of immense size, often measuring 20 inches in circumference, pure white, with a large spot of deep velvety crimson in the center. Blooms first year from seed sown in open ground. Succeeds well anywhere. Pkt. 10c.



IPOMOEA.

A large class of plants to which belong many of our best and most popular climbers. They are very rapid and luxuriant growers, and especially adapted to warm, sunny situations in the garden, for covering porches, trellises etc.

SETOSA.—The beautiful Brazilian Mornin- Glory, which attracted so much attention last year, and a novelty of great merit. It is one of the grandest and most luxuriant plants ever grown, very showy and graceful, with rose-colored flowers from three to four inches in diameter and a huge leaf eight to twelve inches across, the effect is simply enchanting and tropical in the extreme. It grows here with a luxuriance and freedom which is simply surprising, branching in every direction and intertwining in such a manner as to make it absolutely impenetrable by the sun's rays. From seeds planted the middle of May a huge trellis was completely covered to a height of twelve feet by the first of August, while by the middle of the month the vines averaged 35 feet in height. The density of the shade was remarkable, owing to the cross branching and intertwining, as the leaves overlap each other like shingles on a roof. Large seed pods, with the short reddish hairs on the stems, make it unusually ornamental and attractive. We recommend it to all. Pkt. 10c.

GRANDIFLORA HYBRIDA.—The Moon Flower. One of the grandest of summer climbers, 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.

LEARI.—The Blue Moon Flower. This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower described above; habit of growth and flowering the same. The color is exquisite, clear, satiny blue, with well-defined crim-on-bars; very distinct. We recommend planting the Blue Moon Flower with the White one, as the effect will be novel and attractive. Pkt. 15c.



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.—A cross between Leari ipomoea 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 indescribably heavenly blue so rarely seen in flowers. The throat is yellow inside, spreading softly into the blue. Pkt. 20c.

ICE PLANT.

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.

IRIS.

SIBERICA.—Easily grown from seed. Pkt. 5c.

LANTANA.

Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors. Pkt. 15c.

LARKSPUR.

An old and well known hardy annual. The flowers are borne in compact spikes and are showy and desirable for any situation. Sow early in open ground.

AMERICAN BANNER.—The handsomest flower in the entire catalogue. 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 and are fairly loaded with long spikes of double striped and blotched flowers. Pkt. 15c.

DWARF GERMAN ROCKET.—Mixed colors. Pkt. 5c.

TALL GERMAN ROCKET.—Mixed colors. Pkt. 3c.



ROCKET LARKSPUR.



ICE PLANT.

LATHYRUS.

LATIFOLIUS.—(Perennial Peas.) Handsome free-flowering plants, growing five to ten feet high, dying down to the ground every winter, and starting up again in the spring. Fine mixed. Pkt. 5c.

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 plant for bedding. Mixed varieties. Pkt. 5c.



LYCHNIS.
HAAGEANA HYBRIDA.—Very desirable hardy perennials, blooming the first year if sown early. Fine mixed, white, pink and scarlet. Pkt. 8c.

LINUM.

Flowering Flax. One of the most showy annuals in cultivation for flower beds and masses; brilliant crimson scarlet flowers one inch across, borne in wonderful profusion. Height one foot. Pkt. 5c.

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. Pkt. 7c.

MAURANDIA.

Delicate climbers for windows or conservatories, or for open ground in summer. Admirable to hang from vases, to cover stumps and low trellises, flowering freely; height 6 to 10 feet. Mixed colors. Pkt. 10c.

MIMULUS.

Monkey Flower. Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed varieties. Pkt. 10c.

MOSCHATUS.—The well known musk plant, quite pretty and has a strong musk fragrance. Pkt. 10c.



LOBELIA.

FOUNTAIN PLANT.

This handsome pyramidal or fountain-shaped plant is a variety of *Ananthurus* which deserves a place in every garden. It is easily grown by starting the seeds early in the house, or sowing them in the open ground in May. It droops most gracefully, and the leaves are brilliantly banded and tipped with orange, carmine, purple, crimson and gold, forming bright colored plumes. Height three to six feet. Pkt. 7c.



FOUNTAIN PLANT.

MARIGOLD.

These annuals are old favorites in our gardens, but have been greatly improved recently in size and nobleness of flowers. They are very effective for groups and masses.

AFRICAN.—Double mixed, largest. Pkt. 4c.

DWARF FRENCH.—Double mixed, best. Pkt. 5c.

MARTYNA.

Fine summer blooming garden plants, with gloxinia-like flowers of many handsome colors, followed by curiously horned fruits. Sometimes called Devil's Claws. When young these seed pods are very nice for pickling. Pkt. 5c.

MIRABILIS.

The Marvel of Peru, or Four-o'clock, is as easily grown as a weed, and yet is one of the most brilliant and showy of annuals. Planted in beds or masses, their compact growth, rich glossy leaves, together with their profusion and diversity of bloom, presents a gorgeous sight during the afternoon.

NEW TOM THUMB MIXED.—Very handsome compact, dwarf, bushy plants, with elegant golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c.

MIXED COLORS AND VARIETIES.—Pkt. 3c.



TOM THUMB MIRABILIS.

A VALUABLE ASSISTANT
FREE!
 THE WESTERN GARDEN, a monthly magazine devoted largely to flowerers, will be sent you one year free if you send us order for seeds amounting to \$1.00 or more, asking for no other premium or discount.

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 tinge 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.



MUSA ENSETE.

shaped flowers, which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Pkt. 8c.



NICOTIANA.



MILES' WHITE SPIRAL.

MIGNONETTE.

The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is best to sow seed early in the garden, and they will commence blooming the first of June.

ELMWOOD GIANT.—A special selection of a famous grower, whose mignonette spikes have always excited the wonder and envy of his competitors. The plants are of a robust pyramidal habit; fine, healthy growers. They throw up very large spikes of a reddish-tinted, deliciously fragrant flowers. Unsurpassed for pot and bench culture. Pkt. 10c.

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.

MACHET.—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. Pkt. 7c.

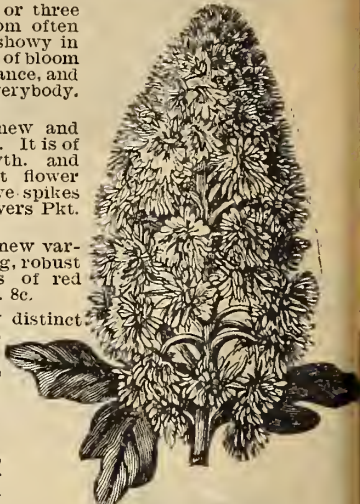
GABRIELE.—A handsome new variety, the tallest of any. Strong, robust habit, bearing large spikes of red flowers. Very distinct. Pkt. 8c.

GOLDEN QUEEN.—A very distinct new variety, with bright golden flowers. Pkt. 3c.

SWEET SCENTED.—The old favorite. Pkt. 2c, oz. 20c.

MUSA ENSETE.

(Banana Palm.)



MACHET MIGNONETTE.

MYOSOTIS. (*Forget-me-not.*)

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.

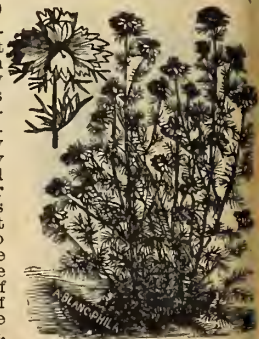
NICOTIANA.

AFFINIS.—Of all the varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white, star shaped flowers, which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden. Pkt. 8c.

NIGELLA

(*Love in Mist*)

Hardy annuals, about one foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one all our enthusiasts should try. It is sure to please. The flowers are double and of all shades of blue, white and purple. Pkt. 4c.



NIGELLA.



IMPERIAL NASTURTIUMS MIXED.



COLLECTION OF DWARF Nasturtiums
One packet each of the 8 named varieties for 35c.

NASTURTIUMS.

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.—Foliage is a clear bright yellow. The plant is of dwarf, compact habit, flowers scarlet. Pkt 7c, oz. 30c.

LADY BIRD.—Of dwarf, neat compact habit of growth. Flowers rich golden yellow, each petal barred with a bright vein of bright ruby crimson. Pkt. 7c, oz. 30c.

EMPRESS OF INDIA.—Of dwarf, bushy habit, the leaves of a dark, purplish blue color, making a suitable background for the brilliant crimson-scarlet flowers. Its profusion of bloom and dazzling richness of color are remarkable. Pkt. 5c, oz. 25c.

AURORA.—A magnificent variety of new color. The plant forms a perfect globe, and is literally covered with flowers, completely hiding the foliage when in full bloom. The flower is of deep chrome yellow, the two lower petals blotched with purplish carmine and marked with bright carmine veining. Pkt 5c, oz. 30c.

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" Pkt. 7c, oz. 35c

CRYSTAL PALACE GEM.—Dwarf; sulphur color, spotted with maroon; very handsome. Pkt. 5c, oz. 20c.

PEARL.—A most charming dwarf white variety. Pkt. 5c, oz. 30c.

KING THEODORE.—The darkest color known in nasturtiums—deep scarlet-maroon. Pkt. 5c, oz. 25c.

IMPERIAL MIXED.—Includes about twenty 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.

DWARF VARIETIES MIXED.—Pkt. 3c, oz. 15c.

CLIMBING NASTURTIUMS.

KING OF THE BLACKS.—A very handsome climbing variety, with flowers of a very rich dark brown, almost black. Pkt. 5c, oz. 30c.

NAPOLÉON III.—A beautiful climbing variety, with golden yellow flowers striped with rosy scarlet. Pkt. 5c, oz. 30c

GEANT DES BATAILLES.—A climber with brilliant flowers. Pkt. 5c, oz. 20c.

TALL VARIETIES MIXED.—Pkt. 3c, oz. 15c.

OENOTHERA. (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.

Notice the Gem Bulb Collection on page 64.

IOWA SEED CO.'S SINGLE AND DOUBLE PETUNIAS

PETUNIAS.

Surely there is no garden complete without a bed of elegant petunias. 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.

GRANDIFLORA MIXED.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. 20c.

DOUBLE INIMITABLE.—A splendid mixture. Our seed is Benary's best, and will produce a large percentage of fine double-flowering plants. Pkt. 25c.

SINGLE FRINGED.—A choice mixture of the handsome fringed sorts. Pkt. 15c.

NANA COMPACTA MULTIFLORA.—Forms dense little bushes five to eight inches high, studded with regularly striped flowers. Very effective, either in masses or in pots. Pkt. 10c.

GIANT FANCY FLOWERING.—A grand new strain and the most beautiful of all. Flowers of immense size and of a great variety of markings and veining of the most charming colors. If you like beautiful petunias, don't fail to include this in your order. Pkt. 20c.

FINE MIXED.—The best of the older sorts, carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 5c.



PERILLA.

PERILLA.

NANKINENSIS.—Has a broad, serrated leaf, of 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. 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 sixty to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c



DOUBLE PORTULACA.

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.



PRIMULA.

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.

THE PEACOCK.—This fine new variety has been named the Peacock because the upper petals of the flower most nearly resemble, in color, the peculiar shade seen only in the feather of the peacock, a beautiful ultra-marine blue. The petals are edged with a thin white line, within which it is a purplish crimson, passing into a rich central blotch of deep blue, shading to black. *The Gardeners' Magazine*, (London, Eng.), says: "The coloring is truly delicious." Pkt. 15c.

VAUTIER'S MAMMOTH PANSY.—This strain of enormous pansies has been raised and perfected for twenty years by Chas. 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 in 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. Pkt. 20c.

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 red, of a really fiery shade, warranting the name of Fire King. Pkt. 10c.

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. Pkt. 20c.

GIANT TRIMARDEAU.—An altogether distinct and beautiful 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. Pkt. 15c.

LORD BEACONSFIELD.—New, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 10c.

GOLDEN TRIMARDEAU.—Has the large size of the Giant Trimardeau, but is of a rich golden yellow. Remarkably handsome and showy variety. Pkt. 20c.

MAMMOTH BUTTERFLY.—A strain of pansy which for variety and beauty has never been excelled. Of matchless forms, colors and markings, with flowers half as large again as ordinary pansies. They will both astonish and delight "pansy fanciers." There is a great variety of colors and peculiar markings, reminding one of the varied hues of the butterfly. Pkt. 15c.

GIANT BUGNOT.—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. Pkt. 20c.

CHOICE GERMAN MIXED.—Magnificent large velvety flowers of richest hues and colors. Pkt. 15c.

SNOW QUEEN.—Flowers of delicate, pure, satiny white, handsome and attractive. Makes a fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 10c.

GOLDEN YELLOW.—Best of the yellow varieties. Desirable as a contrast. Pkt. 5c.

FAUST.—(King of the Blacks.) Jet black. Pkt. 5c.

EMPEROR WILLIAM.—Ultra-marine blue. Pkt. 5c.

ODIER OR BLOTCHED.—This superb large variety of pansies has been much improved. Pkt. 10c.

BRONZE-COLORED.—Handsome. Pkt. 5c.

AZURE-BLUE.—Very fine shade of sky-blue. Pkt. 5c.

QUADRICOLOR.—New and distinct; fine. Pkt. 8c.

CHOICE LARGE FLOWERING MIXED.—Very fine. Pkt. 10c.

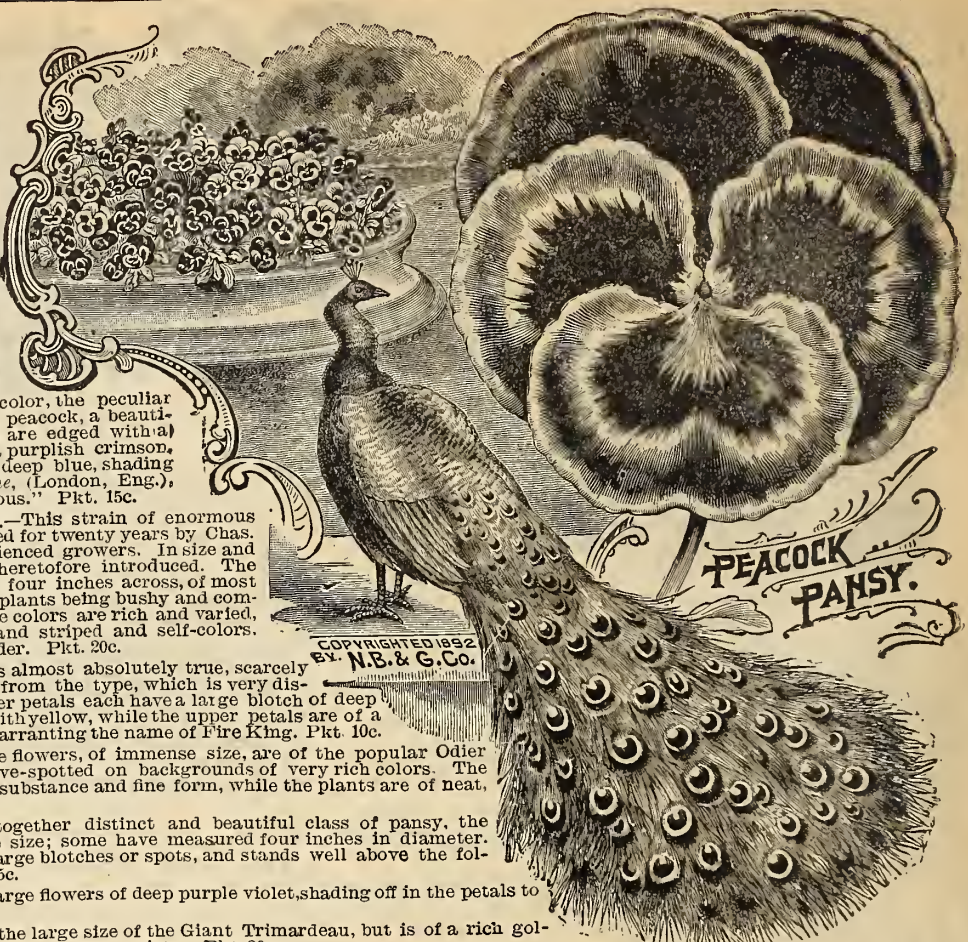
FINE MIXED.—Choice varieties. Oz. \$2.00, Pkt. 5c.

INTERNATIONAL MIXED.

—This mixture consists of a grand assortment from the world's leading growers. All colors and markings. Pkt. 25c.

IOWA BEAUTY.—Of all varieties of pansies ever introduced this is certainly the finest. It contains a great number of varieties, all of which are beautifully marked, striped or blotched with the handsomest and most delicately blended colors. Flowers are of rich, velvety substance and perfect shape. Pkt. 20c.

VIOLET-SCENTED PANSY.—This new type is a cross between the pansy and the violet, combining the ideal properties of each. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of the former. Range of color runs through white, buff, canary and azure-blue, and the coloring of each is exceedingly delicate and charming. Admirers of the pansy and violet will be delighted with it. Pkt. 25c.



MAMMOTH BUTTERFLY.

IOWA BEAUTY.

Pansy Collection.—One pkt. each of the 23 varieties for \$2.00.

POPPIES.

This grand old flower is fast gaining the universal popularity which it justly merits. Having for years been crowded out of our gardens by the swarms of new comers, and forgotten, it has, nevertheless, kept pace with the march of improvement, and now comes around and surprises us with its new forms, new sizes, new colors, and the dear old flower which our grandmothers loved so much, again occupies one of the first places in our gardens, and we are proud of it; and well we may be, for through June and July it stands without an equal, the showiest of all annuals.



BRILLIANT POPPY.

ting, as they keep much longer than the ordinary poppy. Pkt. 10c.
ROSY MORN.—Flowers 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. 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 through the most delicate shades of rose and pink and carmine to deepest crimson. Pkt. 10c.

THE MIKADO.—Edges of petals are cut and fringed. Color is pure white at the back, whilst the fringed edges are a brilliant crimson. Pkt. 10c.

DANEBOG.—(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. 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. Pkt. 10c.

AMERICAN FLAG.—The new plant is a remarkably strong grower, well branched, flowers extra large, very double, snow-white with each petal bordered with scarlet; the foliage is a beautiful bluish green, which combination of colors suggested the name. The terminal point has a wider band than the sides, making it extremely showy, distinct from all others. Pkt. 10c.

PAPAVER UMBROSUM.—Flowers rich, glowing vermilion, with a deep, shining black spot on each petal. Pkt. 5c.

BRILLIANT.—It is a superior variety of strong, robust growth, from two to three feet high. The flowers have the petals fringed and present a variety of bright colors: these are pure white with a pink tinge, scarlet, rose, purple and other shades. The ends of the petals or fringes are of a deeper tint than the rest, and are so bright as to be almost dazzling to the eye. Unsurpassed for cutting.

VESUVIUS.—Very brilliant. The flowers are three and a half to four inches in diameter; the petals are finely cut or fimbriated, which adds greatly to their beauty; color scarlet. Pkt. 5c.

GIANT NANKEEN YELLOW.—A superb new poppy. It is a vigorous grower, the perfect peony-shaped flowers—truly giant—are borne in constant succession for a long season, on erect, strong stalks, two and a half to three feet. Nankeen Yellow stands out as a grand novelty the nearest approach to yellow in this class of poppies. Pkt. 10c.

DOUBLE CARNATION.—A splendid assortment of the best double carnation-flowered sorts. Will make an attractive bed. Pkt. 5c.

FRENCH RANUNCULUS FLOWERED.—Many colors, mixed. Very handsome. Pkt. 3c.

ALL VARIETIES MIXED.—Pkt. 5c.



ONE PACKET EACH
 OF THE THIRTEEN
 VARIETIES
OF POPPIES!
 FOR ONLY
65 CENTS.

PASSION FLOWER.

MAMMOTH.—One of the most desirable of all climbing plants. Sow seed early, and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first year, 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 it must have some protection. See illustration with flower plants. Pkt. 10c.

ROSES.

It is not generally known that roses are easily grown from the seed.

MONTHLY TEA.—Double mixed colors. Blooms the second year. Pkt. 10c.

FAIRY.—The roses are only about an inch across, usually very double, but occasionally semi-double, and seldom single; they are borne in large clusters and are of many colors. What is most remarkable these Fairy roses grow only ten inches high and commence blooming in a few weeks after the seed is sown, and continue year after year in uninterrupted profusion from May until frost. Pkt. 15c

IOWA SEEDS ALWAYS PLEASE.

Your seeds have always given the best of satisfaction

MRS. A. J. FRANKLIN, Livernore, Iowa.

I must say that the seed I bought of you last year were the best I have ever tried.

MRS. MAY BLYTHIE, New Bloomfield, Mo.

I have used your seed, and find them as recommended.

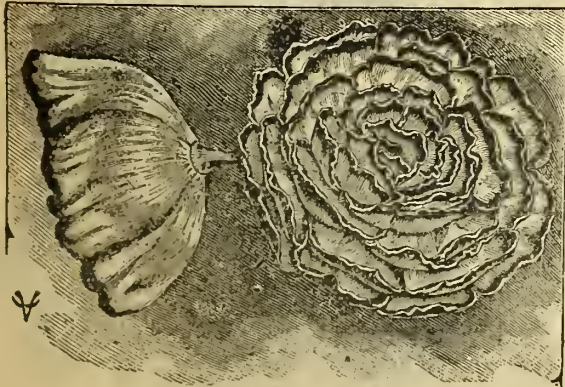
MRS. ALEX. GIBSON, Washington, Iowa.

I planted \$2.00 worth of your valuable seeds last year and was doubly paid, for my seed all came up so even and nice. I thank you for the pansies.

JURILDA KNABB, Maryville, Mo.

We have always found your seed reliable and first class.

MRS. JOSEPH SEWELL, New Hampton, Iowa.



AMERICAN FLAG POPPY.





SALVIA.

SPLENDENS.—One of the most brilliant of flowers; it thrives in any light, rich soil; often called Flowering Sage. Free bloomers. A brilliant scarlet. Very fine. Pkt. 10c.

MIXED VARIETIES.—All colors. Pkt. 5c.



SCABIOSA.

everlasting. Sow seed under glass or in a sheltered place. Pkt. 10c.

SENSITIVE PLANT.
A very pretty and curious plant, the leaves closing when touched. The 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.



SENSITIVE PLANT.

Much used for winter decorations; the seeds start slowly and should be planted in loose, rich soil and kept moist and warm. Pkt. 8c.

SALPIGLOSSIS.
One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high and bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors.

NEW VARIEINED.—Much larger than the common Salpiglossis.



SMILAX.

The surface is soft and velvety and the wealth of color marvelous. The colors range from pure white to dark yellow, dark red and purplish black, including light and dark blue, velvety plum color, maroon, crinsoen, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, etc., with all the shades between beautifully veined and mottled; blooms all summer and till severe frost. Pkt. 10c



SALPIGLOSSIS.



SWEET PEAS.

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 thirty feet long and make a lovely hedge. One secret in successful sweet pea culture is to plant early and deep, not less than four inches.

ALBA MAGNIFICA.—One of the clearest of the whites. Flowers medium sized with broad, full wings and comparatively small standard. Strong grower and fine bloomer. Pkt. 5c, oz. 20c.

MISS BLANCHE FERRY.—Resembles the Painted Lady, 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. 5c, oz. 25c.

PAINTED LADY.—Very pretty, delicate pink and white. Pkt. 5c, oz. 20c.

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. 5c, oz. 25c.

DUCHESS OF EDINBURGH.—Very beautiful; standard light scarlet, splashed with crimson, edge white and wings tipped rose. Pkt. 5c, oz. 15c.

QUEEN OF ENGLAND.—A grand new variety with pure white flowers, only surpassed by Emily Henderson. Pkt. 5c, oz. 20c.

BOKEATON.—A very fine dark variety, with immense, bold, attractive flowers, borne in great profusion. Color, red, mahogany and maroon. Very beautiful. Pkt. 8c, oz. 35c.

INVINCIBLE SCARLET.—Plant vigorous grower and profuse bloomer; flowers large and brilliant scarlet. Pkt. 5c, oz. 15c.

MRS. GLADSTONE.—Flowers large, of perfect form and of most delicate and beautiful blush pink. One of the most elegant and beautiful flowers in the list. Pkt. 5c, oz. 20c.

PRIMROSE.—Pale primrose yellow. One of the most beautiful; blooms a long time and is exquisitely fragrant. Pkt. 10c, oz. 40c.

SPLENDOR.—Well named and one of the grandest on the list. Most brilliant crimson rose; a dazzling color; often double. Pkt. 7c, oz. 30c.

SENATOR.—Chocolate and creamy white; handsome. Pkt. 5c, oz. 20c.

EMILY HENDERSON.—A beautiful absolutely pure white; the flowers are extra large, and stand up boldly without reflex or curl. The plants are robust, compact and branching, producing such an 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 1,035 sprays of bloom. In earliness it outrivals 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. Pkt. 10c, oz. 40c.

PERFECTED MIXED.—We are sure our customers will be pleased with this. Of most graceful form, charming color, exquisite fragrance and simple loveliness. This mixture contains all the most choice new varieties and some of the old favorites. Pkt. 10c, oz. 20c, ¼ lb. 65c.

IMPERIAL BLUE.—One of Eckford's new, large flowering varieties of finest form; color ultramarine blue, claret and purple. One of the handsomest. Pkt. 5c, oz. 25c.

PURPLE PRINCE.—Maroon standards, shaded with bronze and purple wings. Very fine and superb. Pkt. 5c, oz. 25c.

ECKFORD'S NEW HYBRIDS.—A strain of mixed sweet peas comprising many beautiful new varieties of bright colors, flowers unusually large. Pkt. 5c, oz. 25c.

EXTRA FINE MIXED.—Splendid assortment. Pkt. 5c, oz. 10c, ¼ lb. 35c.

STOCKS.
The Ten Weeks stock embraces a wonderful range of colors; unsurpassed for beds, borders or pot culture. Start early in the house and transplant to rich soil, deeply cultivated with plenty of moisture.

LARGE FLOWERING PERPETUAL WHITE.—Most valuable kind of Ten Weeks stock ever introduced. Of strong growth, fine branching habit and grows in open ground to the height of 1½ feet; if sown early will produce a great abundance of bloom from May or June until November; flowers very large and purest possible white, and the oftener they are cut the better they seem to like it; indeed it is a veritable "cut-and-come again." It succeeds well as a pot plant. Deliciously fragrant. Pkt. 10c.

LARGE FLOWERING DWARF GERMAN.—Fine mixed. Pkt. 5c.



PERPETUAL WHITE STOCK.



WILD CUCUMBER.

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.

TROPAEOLUM.

One of the most desirable of the annual climbers; easily grown in any common garden 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, resembling canary birds. Pkt. 10c.

STEVIA.

SERRATA.—Produce an abundance of pretty white flowers early in fall. Pkt. 5c.



WISTARIA.

VIOLA.

ODORATA.—The well known sweet violet. All colors mixed. Seeds start very slowly. Pkt. 10c.

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 they are very desirable.

GRANDIFLORA.—Mixed colors. Pkt. 5c.

XERANTHEMUM.

Free flowering and easily grown, making a handsome bed.

DOUBLE WHITE.—Pkt. 5c.

ALL KINDS MIXED.—Pkt. 5c.

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.

SUNFLOWER. (See *Helianthus*.)

SWEET WILLIAM.

Hardy plants about one foot high, of extreme richness and variety of color, and also deliciously sweet-scented; for clumps or borders no plant can surpass this old favorite.

SINGLE VARIETIES MIXED.—Pkt. 5c.

DOUBLE VARIETIES MIXED.—Pkt. 10c.

TORENIA.

FOURNIERI.—Beautiful free flowering, fronds, and in moist situations out of doors.



SWEET WILLIAM.

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.

VINCA.

Handsome bushy plants producing freely, round, single flowers one and one-half inches across, suitable for pot culture and sunny flower beds; tender perennial, one and one-half foot. Mixed colors. Pkt. 5c.

WISTARIA.

One of the most popular hardy vines climbing to a height of fifty feet or more. It is a perennial and easily grown from seed. Pkt. 10c.



WHITLAVIA.



HENDERSON'S MAMMOTH VERBENA.

VERBENA.

The verbena is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer, and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes or under glass in March, and transplant when a few inches high. In this way the verbena can be grown from seed as early as any annual, and will produce much stronger plants than cuttings. Seed sown in the open ground will flower in August.

HENDERSON'S NEW MAMMOTH.—When well grown every flower truss measures over nine inches in circumference, while the single flowers are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbena. Contains a great assortment of colors, the above illustration showing a flower of dark scarlet with a pure white eye. Pkt. 15c.

BLACK.—Nearly a coal black with a white eye. Pkt. 10c.

CANDIDISSIMA.—Large trusses of pure white flowers; beautiful. Pkt. 10c.

DEFIANCE.—A true scarlet; extra fine. Pkt. 10c.

YELLOW.—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 of colors. Pkt. 5c.



PLATYCODON

WAHLENBERGIA.

GRANDIFLORA MIXED.—(Also called Platycodon.) Of wonderful beauty and attracts much attention on our seed farm. It is a perennial plant blooming the first year from seed, which should be sown early in 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 2 1/4 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 flowers. Pkt. 10c.



WALLFLOWER.

WALLFLOWER.

Greatly prized for their exquisite fragrance. They grow in long, brilliantly colored spikes of flowers. There are many varieties. Plants removed to pots in autumn will produce an abundance of delightfully fragrant flowers.

DOUBLE VARIETIES MIXED.—Pkt. 12c

SINGLE VARIETIES MIXED.—Pkt. 5c



"PIGMY MEXICAN ZINNIA"

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.

PIGMY OR LILLIPUT.—This strain is the acme of beauty and perfection in zinnias. Plants small and of bushy growth, each one bearing scores of beautiful little blossoms of the most perfect shape and brilliant colors, from pure white to very dark orange, purple, crimson and vermilion. These charming little zinnias are gems indeed, and should be in every garden. Mixed colors. Pkt. 10c.

CURLED AND CRESTED.—A most unique and charming new variety with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers large double, and the peculiar shape of petal relieves the flower from stiffness. Many colors Pkt. 10c.

FINEST MIXED DOUBLE.—Tall sorts. Pkt. 5c.

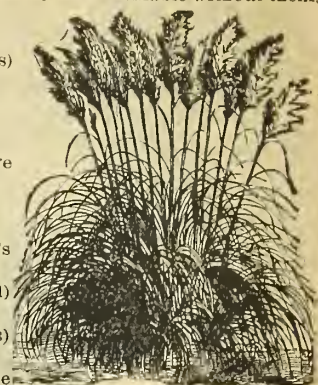
FINEST MIXED DOUBLE DWARF.—Pkt. 5c.

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.

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.**—Pkt. 5c.
- Pulchella.**—Pkt. 3c.
- BRIZA, Maxima.**—(Quaking Grass) —Pkt. 3c.
- Gracilis.**—Pkt. 5c.
- BROMUS, Brizaformis.**—Pkt. 3c.
- COIX.**—(Job's Tears)—Pkt. 5c.
- ERAGROSTIS, Elegans.**—(Love Grass)—Pkt. 3c.
- ERIANTHUS, Ravenæ.**—Pkt. 5c.
- EULALIA, Japonica.**—Pkt. 8c.
- HORDIUM, Jubatum.**—(Squirrel's Tail)—Pkt. 5c.
- LAGURUS, Ovatus.**—(Hare's Tail)—Pkt. 5c.
- STIPA, Pennata.**—(Feather Grass)—Pkt. 8c.



PAMPAS GRASS.

ZEA, Japonica.—(Striped Japanese Maize) — Pkt. 5c.

GYNERIUM, Argenteum.—(Pampas Grass)—A magnificent grass with graceful plumes twenty to thirty-six inches long. Blooms second year. Roots must be kept from frost. Pkt. 10c.

BEAUTIFUL HARDY SHRUBS. (Col. 37.)

We want to remind our customers that nothing will add more to the attractive appearance of the lawn than a few handsome flowering shrubs. Many are in doubt what to order, but we will select for you six nice varieties and send them postpaid for only \$1.00, or, if you are willing to pay the express charges, we can send you much larger and stronger plants for the same price.

BEAUTIFUL HARDY CLIMBERS. (Col. 38.)

Six elegant hardy vines or climbers for arbors, porches, etc., our selection of varieties, for \$1.00.

Complete Garden Collection.

(Col. No. 4.)

Consists of 40 packets Flower Seeds, our selection of varieties, but all good and some choice sorts. All different, easily grown and sure to please. Price \$1.00.

Popular Collection.

(Col. No. 5.)

Contains 20 packets of the popular varieties of Flower Seeds. All different. Our selection of varieties, but all good. Price 50 cents.

Sweet Pea Collection.

One packet each of the 17 varieties listed in this catalogue, on page 57, making the best assortment obtainable. Price 75 cents.

SPECIAL MIXTURES OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

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 soils, but by far the larger number are valuable 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 ten cents to twenty-five 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 illustration 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. Pkt. 5c, oz. 35c.

FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden, this will furnish a constant supply of cut flowers. Pkt. 10c.

LOW-GROWING ANNUALS.—This mixture contains seeds of a great variety of low-growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 10c.

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening, while some of them are also suitable for cutting. Pkt. 10c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers, suitable for growing together. Pkt. 10c.

MIXED BIENNIALS AND PERENNIALS.—About fifty varieties. Every garden should contain a good assortment, and it will be easily obtained in this way. Pkt. 10c.

MIXED EVERLASTINGS.—A grand assortment of all sorts of everlasting flowers, suitable for bouquets, etc. Pkt. 10c.

MIXED GRASSES.—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. Pkt. 5c.

All of the above mixtures are carefully prepared from choice, fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained at such light cost.



Good Fruit.

You can doubtless make room for a few fruit plants in your garden, and secure a supply of fresh fruit in season. We pay the postage on these:

COLLECTION No. 25. Twelve Grape Vines, consisting of two each of the Brighton, Agawam, Golden Pocklington, Worden, Concord and Niagara for \$1.00.

COLLECTION No. 29. 40 Strawberries, 10 each of Wardfield, Parker Earle, Burbach, and Haverland for \$1.00.

COLLECTION No. 30. 2 Grape Vines, 2 Currants, 5 Raspberries, 5 Blackberries and 2 Gooseberries for \$1.00.

FLOWER BULBS.



BLACKBERRY LILY.—(Pardonthus.)—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.

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. 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 house culture, and make splendid beds on the lawn. The bulbs can be taken up and kept in a dry warm place through the winter as easily as a potato.

Extra Choice Single Varieties Mixed.—Grand assortment. Each 15c, doz. \$1.50.

Extra Choice Double Varieties Mixed.—All the best sorts. Each 25c, doz. \$2.50.



TUBEROUS-ROOTED BEGONIAS.



CRINUM KIRKI.

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 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 hundredfold 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.

DISCOUNTS.—Your selection of bulbs to the amount of \$1.20 at catalogue prices will be sent postpaid for \$1.00. \$2.50 for \$2.00.

CRINUM KIRKI.—This magnificent bulb, frequently as large as a child's head, 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 red fish 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 have sometimes been sold at from \$3.00 to \$5.00 each) each \$1.00, 3 for \$2.50, postpaid; smaller bulbs 75c, each

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. It 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. Ea h 20c.



CINNAMON VINE.—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. It is propagated from small bulblets, 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. We can furnish the large tubers by mail, postpaid, for 10c, 3 for 25c; bulblets, 4 for 10c, doz. 25c.

The bulbs received in last order from you are very fine. Accept thanks.
J. Q. McPHERRIN, Oakland, Iowa.

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.

Madam Crozy.—One of 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. Spikes contain 12 to 25 flowers in full bloom at one time, 3 to 6 spikes in bloom at one time. Each 40c, 3 for \$1.00.

Mixed French.—We have a grand assortment of all the best new varieties of French or Crozy cannas, which we can furnish at 30c each, or 4 for \$1.00, postpaid.

Mixed Bronze-Leaved.—The older sorts used mainly for foliage beds or groups on the lawn. They are tall growing, attractive, bronze red foliage; the flower is small. Each 10c, doz. \$1.10.

Mixed Green Leaved.—Like above only leaves are green. Each 10c, doz. \$1.10.

NEW CROZY CANNAS.



CINNAMON VINE.



CHINESE SACRED LILY.

IRIS. (Fleur-de-Lis.)

One of the most satisfactory of flowers for garden culture, as they are hardy and require very little care after once set out, and will produce a mass of flowers year after year.

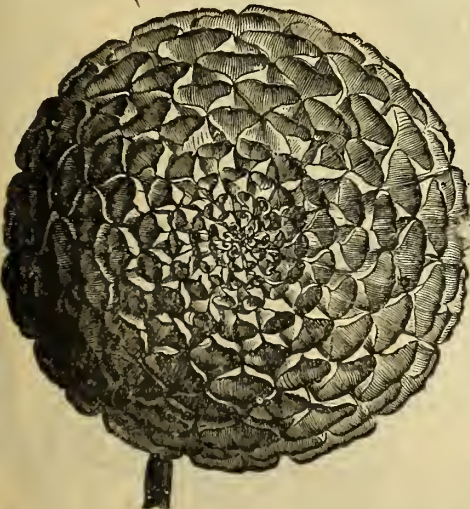
PUMILA.—Dwarf, early flowering, light blue, purple and yellow mixed. Splendid for edgings. Doz. 30c; 100, \$2.00.

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.



KEMPFERI IRIS

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 will 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



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.



LILY OF THE VALLEY.

KEMPFERI.—Marvels of beauty and staitness. Think of a plant sending up to the height of three feet a dozen flower spikes, each spike bearing two to four 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 they are even more grand and beautiful than your imagination can portray. Such are these new Kempferi iris, the king of hardy perennial plants. Once planted in your garden they are a joy for a lifetime, becoming profusely in June and July. Either double or single, mixed. Each 15c, 2 for 25c, doz. \$1.25.

GERMAN.—The true "Fleur-de-Lis," the national flower of France; perfectly hardy, grow and bloom luxuriantly anywhere, particularly in moist situations. Plants well established produce from 50 to 100 spikes of bloom, deliciously fragrant and fine for cutting. In beauty, flowers rival the finest orchids. Colors ranging through richest yellows, intense purples, delicate blues soft mauves, claret reds, whites, primroses, and bronzes of every shade. Mixed colors. Each 10c, 3 for 25c.

MIXED VARIETIES.—Splendid assortment of various varieties. Each 10c, doz. \$1.00.

LILY OF THE VALLEY.

Well known and universally admired spring flowering plants, equally well adapted to winter flowering in parlor or conservatory. Flowers bell-shaped, freely produced and powerfully fragrant. To grow in open ground, select a partly shaded, rather moist situation and they are charming when grown in large patches, as their handsome green leaves and lovely sprays of flowers make a beautiful effect together. When once planted and established the crowns increase in number and the larger ones flower each year without attention. These dormant roots can be potted at any time; put six pips in a 4-inch pot, place in a cool situation until wanted for blooming, then bring out to light and warmth, give plenty of water. Each 5c, 3 for 12c, doz. 40c.

DAHLIAS.

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.

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.

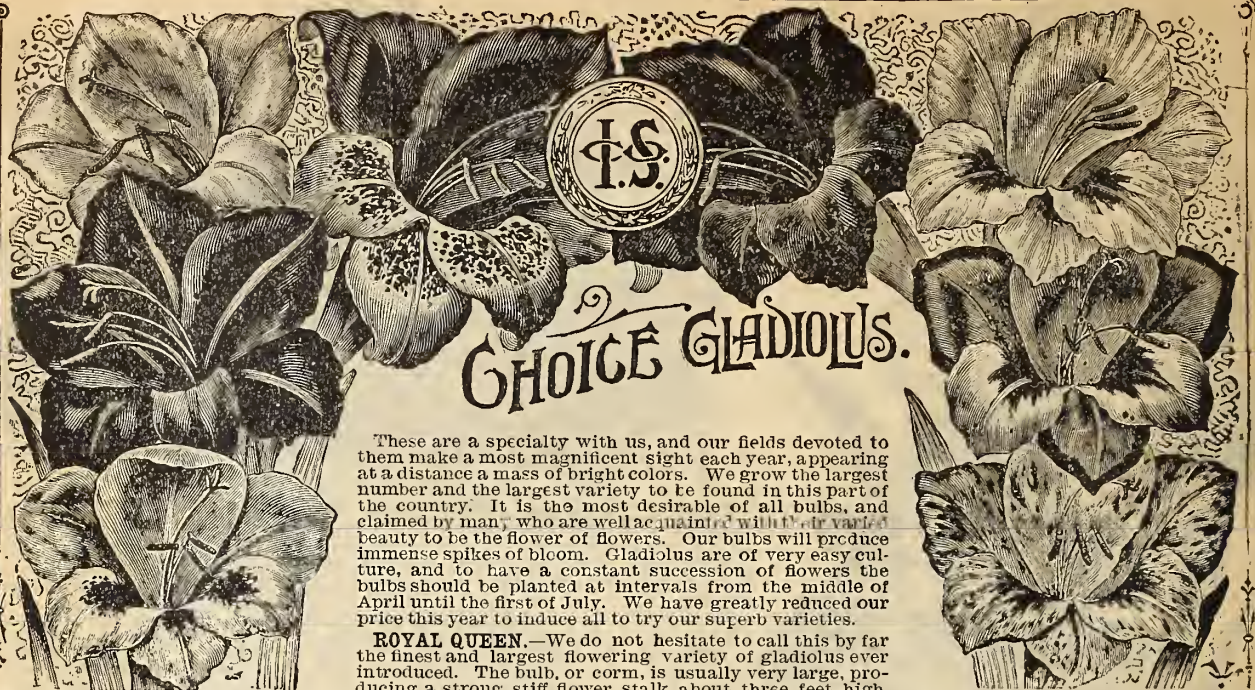
Juarez—A grand and distinct variety of the Cactus Dahlia. The large flowers are of a rich glowing crimson-scarlet color. Each, 25c; doz. \$2.25.

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.



CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. We grow the largest number and the largest variety to be found in this part of the country. It is the most desirable of all bulbs, and claimed by many, who are well acquainted with it, for variety and beauty to be the flower of 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 20c, 3 for 50c.

ARSINE.—Fine satany 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.

CHILDSL.—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.

EUGENE SCRIBE.—Light pink, glazed with carmine; flowers very large and perfect. 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.

LEANDER.—A unique new variety having large flowers of a soft and delicate lilac color, shaded and spotted with carmine and has a distinct white band in each petal. Each 10c, 3 for 25c.

NORMA.—The best white variety; large, straight, nice spikes, filled with large open flowers. Each 10c, 3 for 25c.

OPHIR.—Dark yellow, mottled with purple. Each 5c, 3 for 12c.

PRINCESS OF WALES.—White, blazed with carmine and rose, stained with deep carmine. Each 10c, 3 for 25c.

MEYERBEEB.—Rose scarlet, amaranth red blotch. Each 10c, 3 for 25c.

SALMON PINK.—A handsome new variety of pure salmon pink color. Attractive. Each 10c, 3 for 25c.

CHOICEST MIXTURE.—Made up mainly from best named varieties. Each 8c, doz. 75c.

FINE MIXED.—Contains a nice assortment. Each 4c, doz. 35c. By express, \$2.00 per 100.

CHOICE YELLOW VARIETIES.—Each 6c, doz. 60c.

LIGHT AND WHITE VARIETIES MIXED.—Each 5c, doz. 50c.

RED VARIETIES MIXED.—Each 5c, doz. 40c.

PINK, STRIPED AND VARIEGATED VARIETIES.—Each 5c, doz. 50c.

SEEDLINGS.—A splendid assortment grown from the best hybrid mixed seed. There are sure to be a number of choice new varieties among these. Each 6c, doz. 60.

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, carefully hybridized so as to produce new varieties; will bloom second year—all for 25c postpaid.

GLADIOLUS SEED.—One of the most interesting branches of Gladiolus culture is the growing of bulbs from seed. No skill or special care is required, and in the course of two or three years flowering bulbs will be secured. It is not only very interesting, but there is almost sure to be found new sorts that are the results of hybridization, and which could not be secured in any other way. Our seed is from the finest flowers, embracing hundreds of markings and colors. Pkt. 8c.

LEMOINE'S HYBRID GLADIOLUS.

A new class of gladioli, and for vivid and rich orchid-like coloring, this beautiful, half hardy class of gladioli has no equal. Embazoned 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.

GRACE.—A beautiful new variety of pure clear salmon color with a very large, bright violet center. Each 10c, 3 for 25c.

CARRIE.—Another new variety which originated on our grounds. A good sized spike and flower and the nearest purple known in gladiolus. Each 10c, 3 for 25c.

lus. Each 10c, 3 for 25c.

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, doz. 50c.

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, deep yellow border. Each 5c, doz. 50c.

MIXED LEMOINI.—Many charming sorts. Each 5c, doz. 50c.

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. Each 3c, doz. 25c.

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.



FREESIA.

BEAUTIFUL CORAL LILY

LILIES.

No class of plants capable of being cultivated out of doors possess so many charms; rich and varied in color, stately and handsome in habit, profuse in variety, and of delicious fragrance, they stand prominently out from all other hardy plants. They thrive best in 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



LEMON LILY.

a brilliant crimson—the brightest shade refined in form as to make this the most flowers have a peculiar waxy or coral-like appearance, quite distinct from all other flowers. The bulbs are about 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 and masses out doors. We can offer fine home-grown bulbs this season at a reasonable price. All should have this most elegant flower. Each 20c, 3 for 50c, doz. \$1 75.

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 deliciously fragrant. The large white petals are thickly spotted with chocolate crimson, and have a bright golden yellow band through the center of each. This magnificent lily succeeds well everywhere. Each 25c, 3 for 60c.

SPECIOSUM ALBUM.—Large, pure white flowers of great substance, beautifully recurved. For garden or pot culture. Each 20c, 3 for 50c.



ZEPHYRANTHES.

SPECIOSUM ROSEUM.—Pure white ground, stained and spotted rose, similar to Speciosum Album, except in color; very beautiful. Each 15c, 3 for 40c.

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.

LEMON LILY.—One of the handsomest flowers for garden culture. 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 3 inches in diameter. The color is entirely different from all other sorts, being a clear lemon yellow of very bright



LILIAM HARRISII.

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.

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 growing over 10 to 12 inches high and commences to bloom when 6 to 8 inches. Blooms much more freely than the old Calla, in fact, continues to flower nearly the whole year. A California correspondent 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 10 to 15 inches and is almost constantly in bloom." Each 30c, 3 for 75c.

SPOTTED CALLA.—Leaves 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. Each 15c, 3 for 40c.

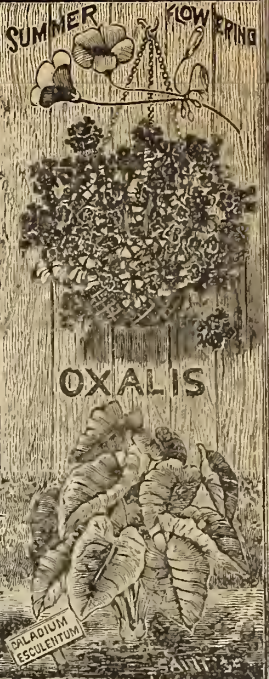
ZEPHYRANTHES.—Popularly known as "Zephyr Flowers" and "Flowers of the West Wind." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in May, flowering with great profusion during the summer. Very suitable for pot culture; 6 to 12 bulbs clustered in a 6-inch pot in fall will give a fine display during winter; pink and white. Each 10c, 3 for 25c.



SPOTTED CALLA.



LITTLE GEM CALLA.



Gem Collection of Bulbs.

One strong bulb each of the following sorts for \$1.00.

APIOS, TUBEROSA.—This is one of the grandest and most beautiful climbing vines in cultivation. It grows very quickly and blooms 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, 3 for 10c, doz. 30c.

CANNA.—Handsome tropical looking plants described on page 60. Bronze leaved. Each 10c, doz. \$1.10.

CALLA.—A very popular plant, growing rapidly and producing large, pure white flowers. Should have plenty of water. Each 15c, doz. \$1.25.

AMARYLLIS FORMOSISSIMI.—(Jacobean Lily.)—Dark velvety crimson. Bulbs may be potted any time in spring. They bloom year after year. Each 15c, 3 for 40c, doz. \$1.25.

HYACINTHUS CANDICANS.—Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Strong bulbs, giving two or more spikes; the number of flowers varies from 20 to 60 each. The appearance is like Giant Snowdrops. Very suitable for cemetery decorations. Each 5c, 3 for 12c, doz. 40c.

AURATUM, OR JAPANESE GOLD BANDED LILY.—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 band through the center of each. This magnificent lily succeeds well everywhere. Each 25c, 3 for 60c.

EXCELSIOR PEARL TUBEROSE.—One of the most popular of bulbs, as it produces a great number of beautiful, pure white flowers of most delightful fragrance. See more complete description page 65. Each 5c, doz. 50c.

MADERIA, OR MIGNONETTE VINE.—Ornamental climber of very rapid growth; thick, light green glossy leaves; flowers in long racemes similar to mignonette and has the same fragrance. Each 3c, doz. 30c, 100 by exp. \$1.50.

OXALIS MIXED.—Handsome little flowers for growing in hanging baskets, vases, etc. Each 5c, doz. 50c.

OXALIS, DOUBLE YELLOW.—Each 8c, doz. 75c.

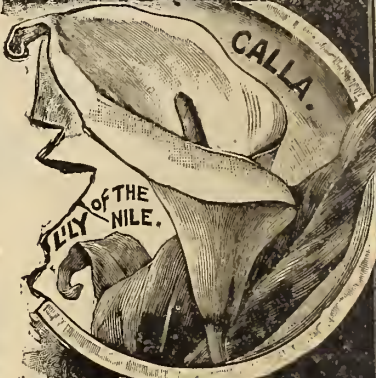
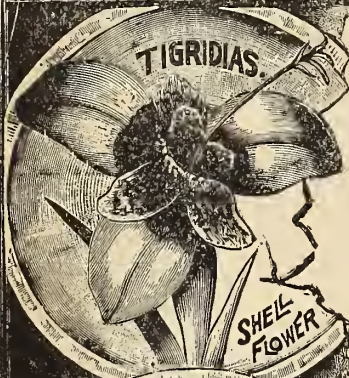
CALADIUM, ESCULENTUM.—(Elephant's Ears.) A splendid tropical plant, growing 4 or 5 feet, with immense leaves beautifully veined and variegated with different shades of green. Very showy, leaves often growing 3 feet long. Of easy culture; roots can be stored in cellar in the fall, and grow larger and more showy each year. Medium sized bulbs 10c, 3 for 25c, very large 30c, 3 for 75c.

MILLA BIFLORA.—(Mexican "Star of Bethlehem.") One of the loveliest and most desirable bulbs. Pure waxy white, of great substance; keeps for days when cut and placed in water. Each 10c, doz. 75c.

TIGRIDIA.—(Shell Flower.) Beautiful summer flowering bulbs, producing large, gorgeous flowers of red, yellow and white, handsomely spotted with black. Each 5c, doz. 50c.

TRITOMA.—(Red Hot Poker Plant.) Grows from four to six feet high, and the flowers measure 12 to 15 inches in length and 12 inches in circumference. Each 20c, 3 for 50c, doz. \$1.50.

One bulb each of the above fourteen varieties, amounting to \$1.41, for only \$1.00.



AMARYLLIS.

ATAMASCO.—The flowers are upright with broad petals, either pink or white. Each 10c.

JOHNSONII.—Of 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.

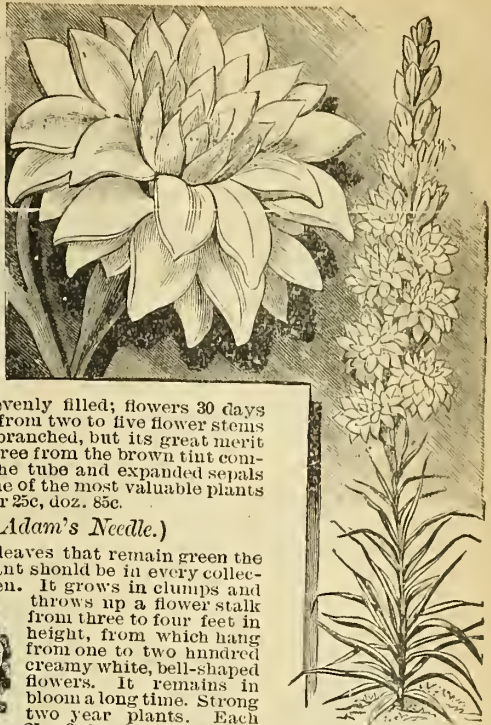
TUBEROSE.

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 buttonhole bouquets. Don't fail to include a few in your order. Choice bulbs, postpaid, each 5c, doz. 50c.

ALBINO.—This splendid novelty is very 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 tuberoses 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 10c, 3 for 25c, doz. 85c.

YUCCA FILAMENTOSA. (Adam's 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 two year plants. Each 25c, 3 for 65c. One year plants, each 15c.



ALBINO TUBEROSE.

OXALIS.

There are many varieties of this charming little plant which are used both for hanging baskets and outdoor 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, doz. 75c.

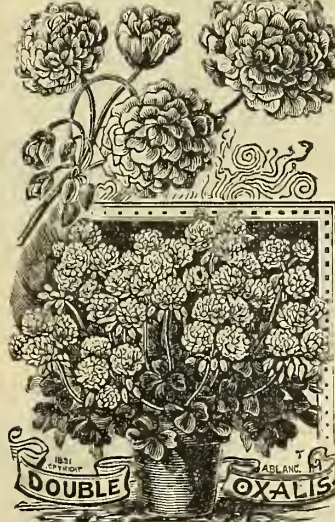
DEIPII ALBA.—Nothing so valuable for edging the borders of walks or flower beds as the beautiful summer oxalis. Bulbs, when planted three inches apart, produce an unbroken row of elegant foliage and pure white flowers, and as they bloom very quickly after planting, they furnish a neat and attractive border the whole season. Doz. 10c, 100, 40c.

DEIPII ROSEA.—Somewhat larger flowers and foliage than above. Leaves greatly resemble four-leaved clover; flowers rose color. Doz. 10c, 100, 50c.

LASLANDRIA.—Leaves more finely cut than the Deippi, and flowers rosy pink. Doz. 10c, 100, 60c.

PAEONIES.

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, and flesh color to lilac and rose. Each 30c, 10 for \$2.50.



PEARL TUBEROSE.

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.

The Chinese Sacred Lily bought of you was the finest I ever saw, having seven blooming spikes at one time.
MRS. L. G. LEUTZ, Grand Junction, Iowa.

The plants I received of you, also the Calla lily bulbs, are doing nicely. H. M. CROUSE, Pearl City, Ills.

The plants and seeds from you are doing nicely, and I am specially well pleased with the Spider Lily.

MRS. EMMA KING, Morrison, Iowa.

Plants came through all right and in good shape; they are growing nicely. Thanks for your promptness.

JOHN M. BLUE, Van Horne, Iowa.

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 spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for fall catalogue, which contains a full descriptive list.

HYACINTHS.—Either double or single mixed. Each 7c, doz. 75c.

TULIPS.—Double or single mixed. Each 5c, doz. 40c.

NARCISSUS OR DAFFODILS.—Mixed varieties. Each 5c, doz. 50c.

CROCUS.—Mixed colors. Doz. 10c.

SCILLA SIBERICA.—Each 4c, doz. 35c.

SNOWDROPS.—Single—extra fine bulbs, 20c per doz. Double—extra fine bulbs, 30c per doz.



WINTER BLOOMING BULBS.



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 hothouses, 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. When ordering in this department, please mark on order sheet about the date you would like the plants sent, otherwise we ship as quickly as possible or when weather permits.

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 fifty cents. By our careful

system of packing, it is impossible for us to pack an order at a cost of much less than twenty-five 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 fifty cents would have to be filled at a loss. Plant orders amounting to less than fifty cents are not desired, and will not be filled unless ten 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 a seed order, if only for a single packet, we are always glad to fill it.

We call your attention to the following discounts, in addition to which we will put in one or two choice plants of our selection with each dollar's worth. No discount on special collections.

DISCOUNTS.

Purchasers sending us \$1.00 may select plants amounting to \$1.10.
 Purchasers sending us \$2.00 may select plants amounting to \$2.25.
 Purchasers sending us \$3.00 may select plants amounting to \$3.50.
 Purchasers sending us \$5.00 may select plants amounting to \$6.00.

AZALEA INDICA.

This is 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.

ABUTILONS.

Rapid growing plants, blooming almost the entire year. Flowers pendulous and bell-shaped.

LAYELION.—Bright golden yellow. Each 10c.

ECLIPSE.—An excellent plant for baskets or vases. Of trailing habit, with large foliage beautifully marked with deep green and yellow. Flowers bright yellow with crimson throat. Each 15c.

SNOW BALL.—Pure white. Each 10c.

THOMPSONII PLENA.—(Double)—The only double variety of its class. Flower, rich, deep orange, shaded and streaked crimson, foliage variegated; free flowering; good border plant. Each 15c.

ACHANIA.

MALVAVICUS.—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.

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.

PLUMOSUS.—One of the handsomest of our foliage plants. The leaves are a bright green, gracefully arched, and as finely woven as the finest silken mesh. Each 25c.

AMPELOPSIS.

VEITCHI.—(Boston Ivy)—This is one of the finest climbers we have for covering walls, as it cling 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 large, forming a beautiful plant from eighteen 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 10c.

ALTERNANTHERAS.

A very bright colored, dwarf growing foliage plant, largely used for carpet bedding, borders, etc. We grow several varieties. Each 10c, per doz. 75c.



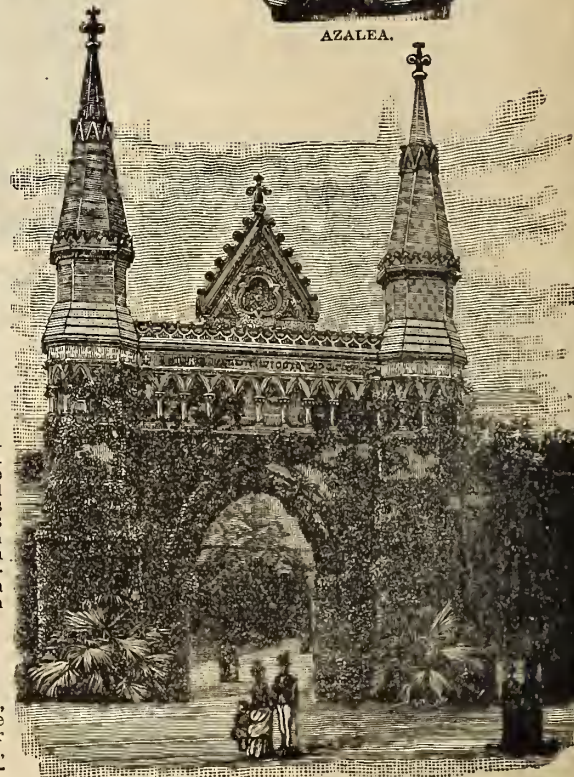
AZALEA.



ASPARAGUS TENNISIMUS.



ABUTILON—THOMPSONII PLENA.



AMPELOPSIS VEITCHI.

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.

VERNON.—This most remarkable novelty is of unusual value for hedging, as it will stand the 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 everyone should have it. Each 15c.

TUBEROUS ROOTED.—Don't fail to try them. See description in bulb department. Single flowered, 15c each. Per doz. \$1.50. Double, 25c each, doz. \$2.50.

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 in all its individual beauty. Having a good stock, we are able to place this novelty within the reach of all. Each 35c.

METALICA.—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. Each 10c.

RUBRA.—One of the finest; a constant bloomer, color scarlet rose. Each 10c.

REX.—A magnificent class of house plants, remarkable for the variety and beautiful markings of the foliage, is well adapted to vases and baskets in shaded situations. A large assortment. Each 25c.

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 the *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. Each 15c.

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.

ARTILLERY PLANT.

A very neat and pretty plant, resembling some of the ferns in general appearance. Its graceful habit makes it very desirable for baskets and vases. Quite interesting and of easy culture. Two varieties. Each 10c.



VERNON BEGONIA.

SEMPER FLORENS GIGANTEA ROSEA.—A superb variety, strong upright growth, fine large flowers of clear, cardinal red, and the bud only exceeded in beauty by the open flower. Each 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. Each 15c.

RIGINIFOLIA.—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. Each 25c.

THURSTONI.—This handsome new begonia is a cross between the *Metalica* 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 *Metalica*, and smooth, glossy leaves and red stems of the *Sanguinea*. Flowers are a beautiful deep pink in bud, but when expanded become a beautiful shell pink. Each 35c.



ARGENTEA GUTTATA BEGONIA.

BOUVARDIA.

ALFRED NEUNER.—This magnificent and showy plant is especially valuable for winter blooming, and none should be without it. The flowers are produced in great profusion during the entire winter, the great clusters of double florets resembling nothing else in cultivation. They also bloom well during summer, commencing early in July. This double Bouvardia is one of the very choicest of florist's flowers. Of pure waxy white, resembling clusters of small tuberose. Each 15c.

SANSEVIERA.

ZELANICA.—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white flowers, creamy white. Each 25c.

COBOEA SCANDENS.

A well known summer climber. Foliage green, with large, purple, bell-shaped flowers. Each 20c.

Guide to Floriculture.

This new book will be warmly welcomed by every flower lover as it is full of information about growing flowers in the house and in the open ground. Very good and practical. Contains also a monthly calendar of operations which is of great value. Price 25c postpaid, or we will send a copy as a premium on any order for flower seeds, plants or bulbs amounting to \$1.00 or more where no other premium or discount is asked for.

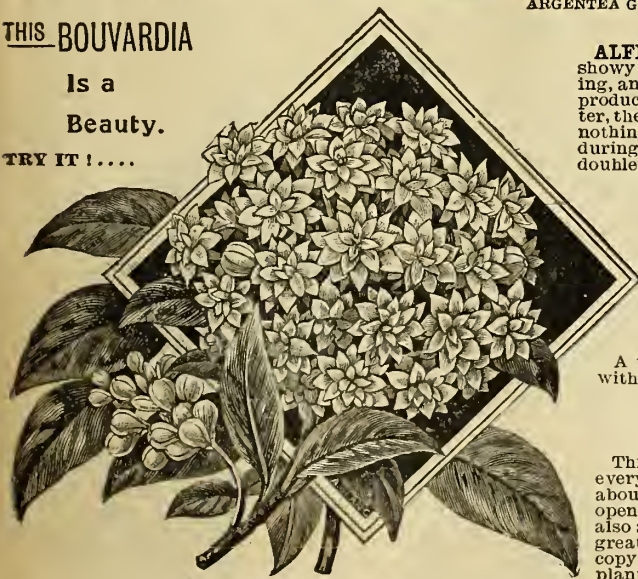


LOUIS ERDODY BEGONIA.

THIS BOUVARDIA

Is a
Beauty.

TRY IT ! ! ! !



ALFRED NEUNER BOUVARDIA.



SANSEVIERA.

CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. Their easy culture and freedom from insects and disease commend them to the most inexperienced cultivators, while the varied and gorgeous colors and fantastic shapes of many of the varieties make them the fashionable flower of autumn.

JESSICA.—A most beautiful, clear pure white, with very long petals. It is a large flower of splendid shape. Plant a vigorous grower, and produces an early and abundant crop of flowers. Each 15c.

LOUIS BEHMER.—The splendid new Pink Ostrich Plume chrysanthemum. Grand flowers, extra large size, splendid globular form; petals broad and lasting and thickly covered with the fine, downy hairs so much admired, and from which the name Ostrich Plume is derived; color deep rich pink; solid and fine. Plant is strong and vigorous and blooms quickly and profusely. Each 20c.

MAJOR BONNAFFON.—Soft, clear incurving yellow; full in the center, 6 to 7 inches in diameter, and nearly as deep. Habit, dwarf; keeping qualities excellent. Each 15c.



JESSICA.



LOUIS BEHMER.

CHALLENGE.—Large variety; a perfect globe of the brightest gold, depth and width being equal; a very strong stem and good foliage. This is a magnificent new sort which cannot fail to please the most fastidious and will delight all flower lovers, as it is the greatest advance in yellow chrysanthemums that there has been for years. Plants are fairly loaded with flowers. Small rooted cuttings of this variety were worth last spring \$9.00 per dozen wholesale, but we have grown a good stock and offer them at the low price of 25 cts. each.

MRS. JOSEPH ROSSITER.—Japanese, very double, pearl white, of medium size, with straight petals, neatly rounded form. Stem perfect. Each 15c.

THE QUEEN.—One of the very finest whites to date. The flower excels all in pure whiteness, extra large, petals heavy and thick. Each 20c.



CHALLENGE CHRYSANTHEMUM.

CONSTELLATION.—The nearest to a true pink yet introduced. Good sized flowers with straight petals, forming almost a straight ball; with good stiff stem and handsome foliage; deeply cut; average three feet high. Each 15c.

EUGENE DAILLEDOUZE.—Large, full double, glowing bright yellow, with magnificent foliage, free and easy grower; nothing clearer or brighter among yellows. Center petals folded and closed, outer ones broad and of great substance. Each 20c.

JOANNA.—One of the very finest bronze to date. Extra large in size; of beautiful half globular form, with incurved shapely petals of solid build; carries flowers erect on stiff stem; heavy deep green foliage well up to the flower; show flower; late. Each 25c.

MRS. A. J. DREXEL.—Finest of its color, a splendid crimson, without other shades; shape half spherical; petals long and arranged like rays; fully double, good grower. Each 15c.

W. N. RUDD.—Color pale lavender pink of pleasing shade. Each 15c.

THE BARD.—Extremely double, reflexed variety of medium size. Color a rich crimson, with outer edges of petals tinged with gold. Vigorous grower, grand for exhibition. Each 15c.

FIRST OF ALL.—Blossoms in mid-summer, while other sorts don't begin blooming 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. Each 15c.

STORM PETREL.—Another new chrysanthemum, different from all other sorts. 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. Each 15c.

IVORY.—The flower is a perfect ball of the purest white, very double and of immense size, some being fully six inches in diameter. Each 15c.

10 Chrysanthemums, our choice of varieties \$1 NIGHT-BLOOMING CEREUS.

This gorgeous cactus, which usually opens at seven o'clock, evenings, attains its greatest beauty and perfection at twelve, bears abundant blossoms measuring twelve inches in diameter, and are of delicious fragrance. The sort we offer is very free blooming, requiring little care. Color, creamy white. Each 25c.

CACTUS.

We have a great many varieties of these curious plants. Price 10 to 25 cents each, or a collection of 10 sorts for \$1.00, postpaid.

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.



NIGHT-BLOOMING CEREUS.



FIRST OF ALL CHRYSANTHEMUM.

CARNATIONS.

Fragrant flowers are always sought after, and the rich spicy odor of the carnation, positively delicate us, 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.—This is a grand, pure white, early and free-flowering carnation, of healthy, vigorous growth; makes fine bushy plants and bears an abundance of flowers on long stems; never bursts; petals finely fringed and very fragrant; an excellent variety, and best of all the whites for general use. Each 15c.

AMERICAN FLAG.—An immense, strong, vigorous grower and profuse bloomer. Very fragrant. The color is distinct from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 15c.

GOV. RUSSELL.—A pure white with a large flower on a long stiff stem, and does not burst its calyx. It is beautifully shaped, and does finely as a pot plant; free bloomer and free from disease. Each 10c.

PRESIDENT GARFIELD.—Deep red, fine large flowers of great substance. A very good variety. Each 10c.

LIZZIE MCGOWAN.—Color pure paper white; petals crisp and lasting; close-jointed, wiry stems, with very large, regular-formed flowers, almost like roses; a strong grower and very free flowering. Valuable all the year around. 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.

GOLDEN GATE.—A beautiful new golden yellow carnation, with not a particle of stripe of foreign color; full and double; free, vigorous and healthy grower and continuous bloomer. Produces a great number of flowers; in fact the plant at times seems almost covered with them, and we are sure it will please all. Each 15c.

EDNA CRAIG.—A beautiful light pink sort, very attractive and fragrant. Each 15c.

CARNATION COLLECTION.—Ten varieties, all different, our selection, for \$1.00.

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. Each 25c.

CUPHEA.

PLATYCENTRA.—(Cigar Plant.)—A fine basket plant with scarlet pendulous flowers; constant bloomer. 10c.



CARNATIONS.—1. SILVER SPRAY. 2. AMERICAN FLAG.

CRUEL PLANT.

A beautiful Brazilian climber with pure white deliciously scented blossoms borne in clusters. It derives the peculiar name of "Cruel Plant," or "Cruel Flower," because insects are attracted by its highly odoriferous perfume, and thus entrapped in the open flower, struggling as imprisoned by the sticky nectar until dead. As an outdoor summer climber it is a most excellent plant and during July, August and September is literally covered with white sweet-scented flowers, blooming from every eye or joint. Splendid winter bloomer. Each 25c.



CRUEL PLANT.

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. Doz. 75c, each 10c.



COLEUS

CLEMATIS.

JACKMANII.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed everywhere, but repays good treatment. Flowers 4 to 6 inches in diameter, of a rich, deep, velvety purple, distinctly veined; blooming continually from July until November, so profusely as to make a perfect screen. Our illustration simply shows the end of a branch. Strong plants, each 50c; large and extra strong, three years old, \$1.00.



JACKMANII CLEMATIS.

CALLA.

ETHIOPIA.—(Lily of the Nile)—Fine house plant; flowers large, creamy white. Each 10c, extra large 25c.

LITTLE GEM.—Miniature form of the calla. Very desirable for house culture. Each 30c, 3 for 75c.

RICHARDIA MACULATA.—(Spotted Calla)—The foliage resembles the calla in shape and is beautifully spotted white. Flowers are shaped like the Calla, pure white, shaded with violet inside. Each 15c.

CYCLAMEN.

One of the finest plants in cultivation for winter blooming. A great variety of beautiful colors. Each 25c.



GOLDEN GATE CARNATIONS.

COPYRIGHTED BY A. B. C.



NEW TRICOLOR CUPHEA.

CUPHEA.
NEW TRICOLOR.—The most profuse flowering and healthy variety we know of. Planted in the flower bed, open air, hanging basket or vase it will bloom profusely all summer long, after which it can be potted for winter flowering. 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. Makes a splendid center piece for a vase or basket. Each 15c.



BICOLOR MANETTA.

MANETTA.
BICOLOR.—Possesses many real points of merit. 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; a constant bloomer. Color vivid crimson scarlet, tipped with golden yellow. 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.

MRS. E. G. HILL.—This superb variety is undeniably the most perfect and beautiful double white fuchsia ever raised. The short tube and sepals are a bright, rich, reddish crimson color, corolla extra large, full and double; flower of the largest size; is of robust, upright growth, not coarse, but compact and very symmetrical. It has every qualification to recommend it, size, freedom of bloom, and constitution. 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 greenhouse 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.

TRAILING QUEEN.—Of a drooping habit, sometimes extending its branches downward three or four feet in length. Flowers borne in clusters. Corolla violet purple; sepals rosy scarlet. Each 15c.

PHENOMENAL.—The largest flowered fuchsia in cultivation. This new sort, from its strong growth and enormous flowers, has created such a sensation that the demand far exceeded our supply of it. This year we have propagated a large stock and hope to fill all orders. The plant is a tall grower, branching like a tree; the leaves are dark, glossy green, with veins of dark crimson, giving the foliage a rich, ornamental appearance. The flowers are of enormous size, a single flower measuring three and a half inches across; sepals bright scarlet, with rich violet purple corolla, very double, flaked with red. It will attract universal attention in any collection, as it is one of the most beautiful and attractive sorts in existence. Each 15c.

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.



STORM KING FUCHSIA.



MRS. E. G. HILL FUCHSIA.

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.
CARL HOLT.—White corolla striped crimson. Each 10c.

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.

CARL HOLT.—White corolla striped crimson. Each 10c.

FUCHSIAS.
 A charming collection. One plant each of the above **TEN VARIETIES** for
\$1.00.



PHENOMENAL FUCHSIA.

FARFUGIUM.

GRAND.—Leopard Plant. Each 20c.

FEVERFEW.

DOUBLE WHITE.—Popular free blooming plant. Each 10c, doz. 75c.

FERNS.

These beautiful plants are now very generally cultivated. Their great diversity and gracefulness of foliage make them much valued as plants for vases, baskets or rock work, or as specimens for parlor or conservatory. Each 20c.

SINGLE 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.

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.

SCARLET CLOTH.—A most beautiful variety which is sure to please everyone. 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.

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.

QUEEN OGIA.—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.

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.

JEALOUSY.—Large orange yellow. Each 10c.

CYGNET.—The best single white. Each 10c.

PEACH BLOSSOM.—The color of a peach blossom exactly. Each 10c.

FRANCIS ARAGO.—Flowers finely formed and produced in the greatest abundance on strong foot stalks; very distinct variety. Color silvery salmon shaded peach. Each 10c.

MRS. A. BLANC.—Apricot red, veined darker, with center of vinous rose; florets of the first size and perfectly round. Each 15c.

MAD. DU LAC.—Beautiful bright rose, upper petals blotched pure white. Large trusses of fine shaped single flowers. 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.

Any of above sorts, \$1.00 per doz.



SOUVENIR DE MIRANDE.

BRIDAL WREATH.—Similar to Souvenir de Mirande, but colors opposite, being a pink body color with white edge. A compact grower, and fine for pots. Each 10c.

BRUTUS.—Dark scarlet crimson; very large trusses sometimes 6 or 8 inches in diameter. Each 10c.

PANSY GERANIUM.—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.

SCENTED VARIETIES.

NUTMEG, ROSE, BALM, PEPPERMINT, MRS. TAYLOR, SKELETON LEAF AND VARIEGATED ROSE. Each 10c.

FANCY LEAVED.

MADAME POLLOCK AND SUNSET.—Beautiful fancy foliaged sorts. Each 25c.

MT. OF SNOW, HAPPY THOUGHT, CRYSTAL PALACE GEM, GOLDEN CIRCLE, CLOTH OF GOLD, MAD. SALLEROI, MARSHALL McMAHON AND BISMARCK.—All good variegated foliage sorts. Each 10c.

I received my plants in good shape and they are doing fine. The violet goes right on blossoming and smells just lovely. I recommend them to my friends always.

MRS. JAMES LEVERICII, La Porte City, Ia.



REMARKABLE.

NEW DOUBLE GERANIUM.

REMARKABLE.—As will be seen by our illustration, the habit of growth is dwarf and compact, making this variety one of the most desirable for pot culture. The novelty and merit, however, is principally in the perfect trusses of miniature rosebud florets, which are wonderfully attractive and pleasing. The color is the brightest possible scarlet crimson; the substance most lasting. A buttonhole bouquet of this variety will keep fresh longer than any other we know of, and then it is entirely unique, afterwards opening to a very handsome bright flower. This should not be confounded with the old Rosebud geranium. Imagine, if you can, a handsomely formed, bushy little plant, constantly covered with perfectly proportioned trusses of exquisitely brilliant rosebud flowers so intense in color that they appear to vibrate. Of hardy, vigorous, healthy habit of growth. Each 15c.

OUR SELECTION.

Fifteen Geraniums, all different, \$1.00.



PANSY GERANIUM.



NEW LIFE.



BRUANTI.

BRUANTI.—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 eight inches in diameter. Each 15c.

PELARGONIUMS.

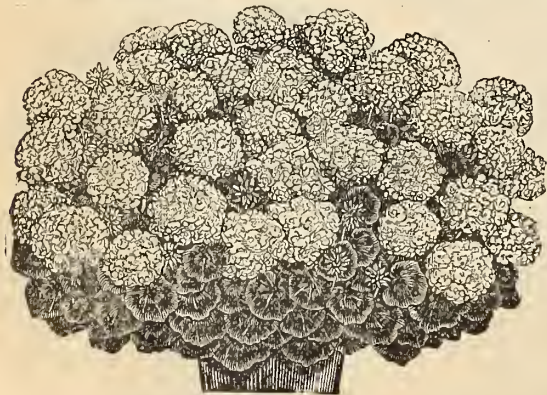
These are more commonly known as Lady Washington or Pansy geraniums. The flowers are large, with deep blotches on the upper petals and bright spots on the lower; they are very beautiful and ornamental, either as pot plants or in the garden. We have a very large assortment of these at 20c. each.

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. Each 25c.

CHARLES TURNER.—Handsomest of any Ivy geranium. The flowers are very double, full and perfect in form; color rich deep pink. The plant is a strong grower, producing flowers at every joint. See above illustration. All should try it. Each 15c.

JEAN DE ARCH.—Very large and finest white in existence. Each 10c.
F. GROZY.—A grand hybrid between the Zonales and Ivies, having the foliage of the former, but very heavy in texture, and while the forms of truss and florets are found only among the Ivies, the color is soft, bright scarlet with veinings of maroon. Habit of plant very dwarf and compact, and one of the most prolific flowering sorts in existence. Each 20c.
 Ten other choice varieties, Each 10c



LA FAVORITE.

DOUBLE GERANIUMS.

S. A. NUTT.—The 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.

MARVEL.—Very large dark, velvety-scarlet. A glowing color, superior to S. A. Nutt. Each 10c.

LEON SAY.—Large bold trusses of dark vermilion-red. Darkest of any geranium. Fine for bedding. 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.

GLORIE DE FRANCE.—A grand variety; flowers large and double; center distinct, dark salmon with large border of rosy white. Each 15c.

GOLDEN DAWN.—The color, as the name would indicate, is of a decided golden orange shade; the flowers are of fine large size and perfect shape. The habit of the plant is all that could be desired. Each 15c.

HARRIET THORPE.—Delicate blush, shaded with pearl pink; trusses large and well shaped; habit perfect. Each 10c.

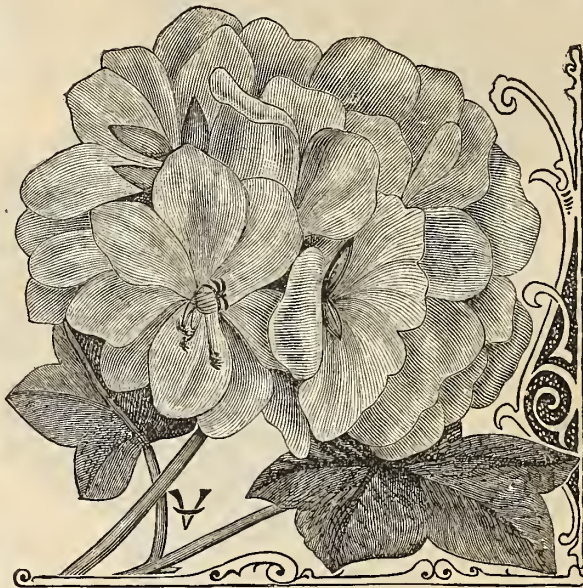


S. A. NUTT.

ASA GRAY.—Orange salmon, extremely good bloomer. Each 10c.

BISHOP WOOD.—Scarlet, shading to vermilion. Each 10c.

LA FAVORITE.—This is the best double white geranium ever introduced. Many extra fine plants have some weakness—this has not—being a strong grower, profuse bloomer, and always coming perfect in color and substance. The trusses are very large, flowers beautifully formed and of the purest snowy-white, even when grown in the open ground. The plant is of close, compact habit, and remarkably free flowering. A specimen plant is well shown by our illustration. Each 15c.



IVY GERANIUM, CHARLES TURNER. ½ NATURAL SIZE.

IVY LEAVED GERANIUMS.

CHARLES TURNER.—Handsomest of any Ivy geranium. The flowers are very double, full and perfect in form; color rich deep pink. The plant is a strong grower, producing flowers at every joint. See above illustration. All should try it. Each 15c.

JEAN DE ARCH.—Very large and finest white in existence. Each 10c.
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 Ten other choice varieties, Each 10c

GLECOMA.

HEDARACEA.—(Variegated Ground Ivy)—The foliage of this charming novelty is a bright green, marked with pure white, and has a refreshing fragrance similar to mint. It grows very rapidly and is graceful and beautiful for hanging baskets or vases. 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.

GAZANIA.

PEACOCK FLOWER.—Large, showy flowers; color a deep orange, with almost black center. Is very ornamental. Each 15c.

Be Sure....
 TO ORDER THE
Rose
Collection
 ILLUSTRATED ON
Front Cover.



GLECOMA.

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.

CÆRULEA.—A rapid climbing Passiou 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 much attention on account of its great beauty and desirability. Each, 20c.

OXALIS.—Fine pot or basket plant; many sorts. Each, 10c.

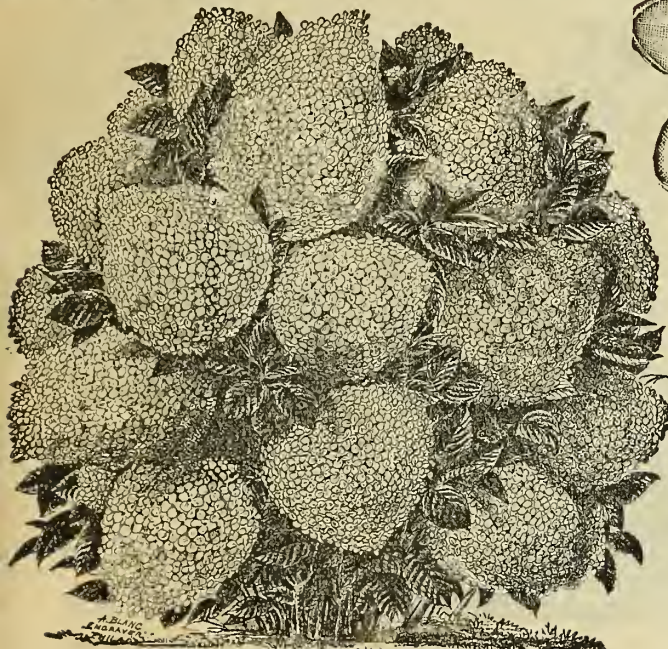
OTHONNA.—Good basket plants. Each, 10c.

GRASS PINKS.—The hardy and pretty clover-scented flowers which our grandmothers loved. Each, 10c.

OLEANDER.—Double pink or white. Each 25c.

PETUNIA.—All the finest double fringed varieties. Each 10c.

PRIMULAS.—(Chinese Primrose)—Of great value for the parlor or greenhouse; constantly in bloom. Each 20c.



HYDRANGÆA PANICULATA GRANDIFLORA.

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. Mailing size, 35c each. Large, \$3.00 to \$5.00 each.

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.

VARIEGATED.—Mottled green, white and pink. Each, 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.



HELIOTROPE.

HELIOTROPE.

General favorite on account of their delightful fragrance. No plant succeeds better for summer flowering and they are 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.

VARIEGATED ENGLISH.—Foliage very prettily marked with pure white on a dark green ground. Most reliable variegated plant we know as a pot plant in the window or for trailing from the edges of boxes or baskets. Each, 25c.



PASSION FLOWERS.

HYDRANGÆA.

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, 15c.

HIBISCUS.

SINENSIS FULGIDIS.—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.



PALM.



TRIFOLIATE ORANGE.

TRIFOLIATE ORANGE.

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, blooming and fruiting profusely. It is dwarf, with a scrubby growth, with beautiful, alternate, glossy green leaves, and an abundance of large, white, sweet-scented blossoms, 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 it a plant of peculiar value and beauty. Each 25c.

NASTURTIUM.

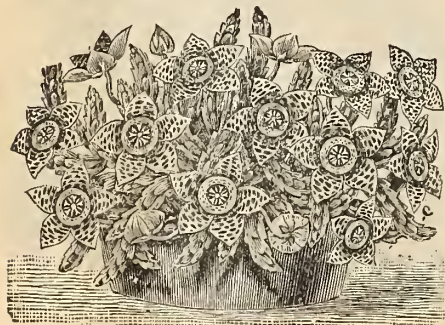
DARKNESS.—A charming novelty, similar to the common nasturtium in habit, but the flower is as double as a rose, and of a dark mahogany red or black. Very handsome and is a constant bloomer, but bears no seed. Each 25c.

MYOSOTIS. (Forget-Me-Not.)

A charming, constant blooming plant, requiring plenty of water and partially shaded situations. Valuable for cut flower purposes. Each 10c.

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, two to three 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 10c.



STAPELIA.

VERBENA.

One of the prettiest and most popular of all plants for bedding. It commences to flower and spread from the first day the plants are set, until late

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 into 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 of 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 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.



MUSA ENSETE.

MUSA ENSETE.

(Abyssinian Banana.) One of the grandest and most picturesque of the banana family; a solitary plant or in groups on the lawn, it has a very majestic and tropical effect. Leaves are very long and broad, of a beautiful green with crimson midrib in striking contrast. Attains a height of ten feet the first season. Each \$1.00.



PANSIES.

These lovely flowers 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.—Doz. 50c.
IOWA BEAUTY, IOWA GIANT, TRIMARDEAU AND WHITE.—Any separate colors, per doz. 75c.

Royal assortment of 24 best pansy plants for \$1.00.

LION'S TAIL.

Most valuable plant either for sitting room or conservatory. The spikes are upward of a foot in length and of a most vivid orange color, which, next to blue, is the rarest color among flowers. All lovers of flowers should have one or more of these strangely curious, attractive plants. Each 15c.



MEXICAN PRIMROSE

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 10c.

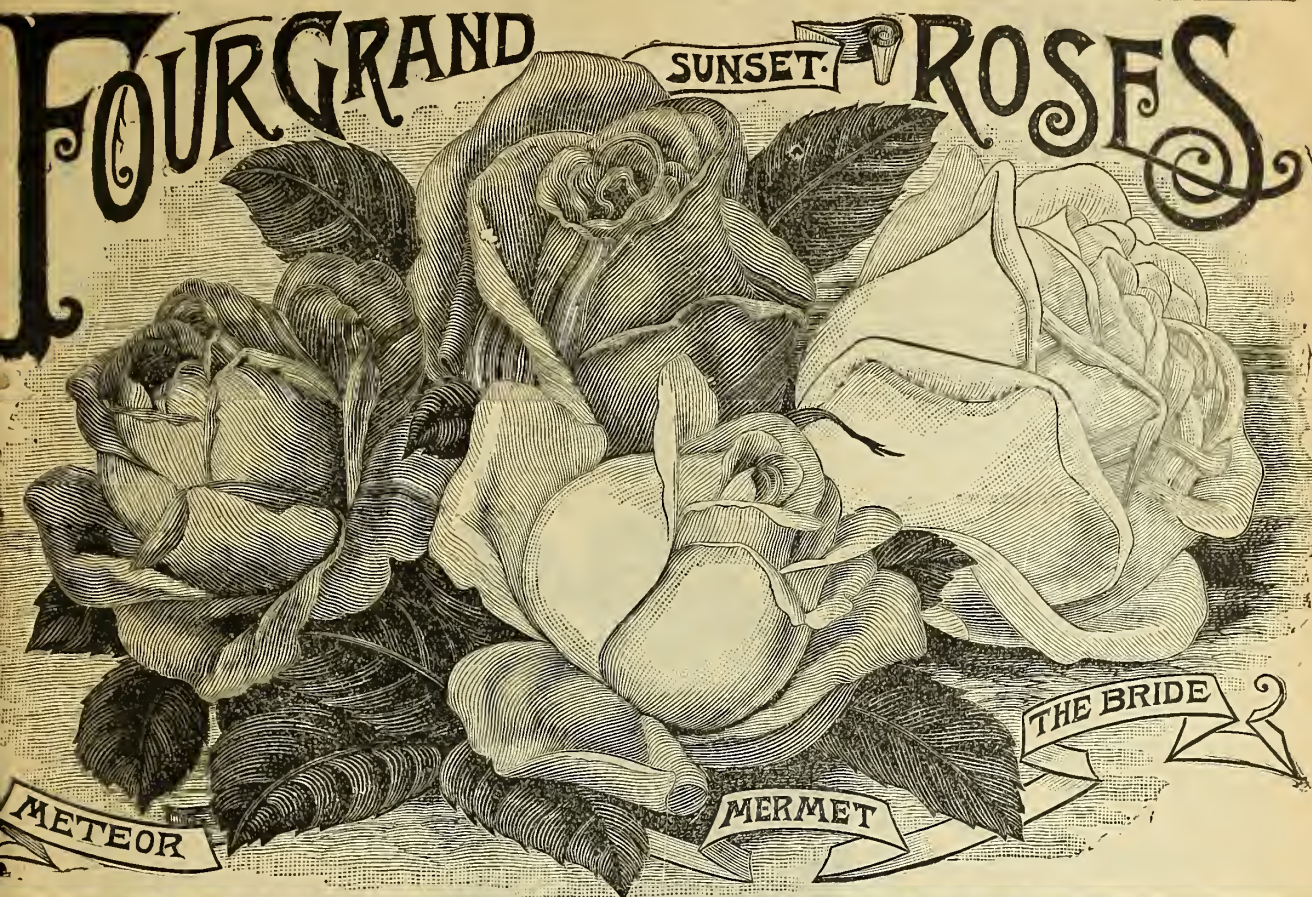
STAPELIA.

This is a genus of curious plants, with showy star-shaped flowers, well shown by this illustration; color buff yellow, with maroon markings. They 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 sparingly. Each 15c.



LION'S TAIL.

40 varieties, including all the new kinds in the autumn. Each 10c, doz. 75c.



THE FOUR ROSES SHOWN IN ABOVE ILLUSTRATION FOR ONLY FIFTY CENTS, POSTPAID.

TEA OR MONTHLY 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 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.

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 proven excellent for garden culture, also for pots and blooming under glass. Each 15c.

SEVEN GRAND ROSES.—See front cover of this catalogue for colored illustrations and descriptions of these queens of the rose family. Empress Augusta Victoria, 25c each, and Champion of the World, 20c, Rainbow, 20c, Dwarf Marechal Neil, 15c, Souvenir de Wooten, 20c, Clothilde Soupert, 15c, and Rosa Wichuriana, 20c. All with a plant of Solanum for \$1.

METEOR.—A rich, dark, velvety crimson Hybrid Tea; a free bloomer and vigorous grower, showing no tendency to mildew. Does not run single during summer, and as a garden rose it will prove invaluable, and cannot be too highly recommended. Each 15c.

MERMET.—One of the finest roses grown. The buds are very large and globular, the petals being recurved and showing to advantage the lovely bright pink of the center, shading into light creamy pink, reminding one of La France in its silvery shading. A strong grower and fine bloomer. Each 15c.

THE BRIDE.—This is undoubtedly one of the finest white roses ever offered. The buds are very large and of exquisite form, and the full flower is very double, measuring from 3½ to 4 inches in diameter. The color is a delicate creamy white. The blooms will last in a fresh state, after being cut, longer than any other white variety. Each 15c.

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.

MALMAISON.—Flower extremely large; quartered and double to the center; color flesh white, clear and fresh. Each 10c.

MARECHAL NEIL.—Very bright, rich golden yellow; very large, full and perfect form; of vigorous climbing growth and 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 five hundred to two thousand flowers per day. 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.

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. Each 10c.

NIPHETOS.—Pure white. Each 10c.

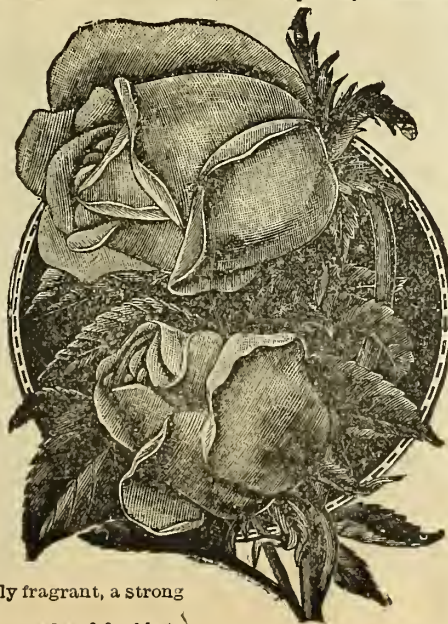
PERLE DES JARDENS.—Fine straw yellow, sometimes deep canary yellow; very large and of most perfect form. Each 10c.

CAROLINE TESTOUT.—Large and double; color bright, satiny pink, with rosy center; odorless, free flowering. Each 25c.

WABAN.—The Waban retains its deep rich color in all kinds of weather, hence it is of great value either for garden or for forcing in the greenhouse in winter. Each 10c.

MADAME JOSEPH SCHWARTZ.—Extra large globular flowers, very full and deliciously sweet; color pure white, elegantly tinged and shaded with pale yellow and rosy blush; constant bloomer. Each 10c.

DUCHESS OF ALBANY OR RED LA FRANCE.—Sport from La France richness of color difficult to describe—a shade which our artist describes as "Lyrian rose," which is very rare. May be left in open ground all winter if covered with straw; if potted will bloom all winter. Each 15c.



ETOILE DE LYON.



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 the world-famed master planted it in his garden at Mt. Vernon. No home is complete without one of these roses. Each 25c.

PRIDE OF CHESHUNT.—A most charming climber with very full and double dark velvety crimson flowers. A vigorous grower and profuse bloomer. Each 25c.

PRAIRIE QUEEN.—Clear, bright pink sometimes with white stripe; large and fine. Each 25c.

BALTIMORE BELLE.—Pale blush, variegated carmine rose and white; very double; one of the best climbing roses grown and very popular. Each 25c.

GREVILLE OR SEVEN SISTERS.—Flowers in large clusters; varies in color, white to crimson. Each 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.

These Polyantha roses are of marvelous grace and beauty. Something everyone can succeed with. Sure to give satisfaction. They bloom in immense clusters, 25 to 50 together on a single stem. They are wonderfully beautiful, bloom constantly, and 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. We sell thousands of these, and purchasers are delighted.



MIGNONETTE ROSE.

HERMOSA.—Was grown in all rose gardens thirty years ago, and is equally indispensable today. 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.

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.

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.

PAPA GONTIER.—This was the fashionable Tea Rose in New York last winter, and it is certainly a beautiful variety. It produces long pointed buds of a glowing carmine crimson color. Will keep longer after being cut than almost any other Rose. It is a most profuse bloomer, and is adapted for either summer or winter flowering. Each 10c.

THE BRIDESMAID.—A most desirable sport from Catherine Mermet, of a richer, darker color than its parent, and a most desirable acquisition. Will undoubtedly become one of the most popular forcing roses. Each 15c.



HERMOSA.

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.

PAUL NEYRON.—A grand Rose; flowers are immense; it is probably the largest rose grown, and one of the finest; bright shining pink, clear and beautiful; very double and full, finely scented; blooms first season and all summer. No collection is complete without this magnificent variety. Each 35c.

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. Each 25c.

GIANT OF BATTLES.—Large and double; color brilliant crimson. Each 20c.

GEN. WASHINGTON.—Bright rosy carmine, free bloomer, hardy. Each 20c.

MADAME PLANTIER.—As a cemetery rose it is without a rival. The flowers are borne in the greatest profusion, and are of the purest white, Hardy. Each 20c.



GENERAL JACQUEMINOT.

BEAUTIFUL FAIRY ROSES.

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 at the same time. Each 15c.

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. It is a delicate rose color on opening, changing to pure white as the flowers expand. Each 15c.

LITTLE WHITE PET.—Very handsome, pure white, perfect shaped flower. A strong grower and profuse bloomer. Very hardy. Each 15c.

PERLE D'OR.—Color of the buds beautiful nankin yellow, with vivid orange center, each petal tipped white, changing to buff tinged rose in the open flower. Each 15c.

CLOTHILDE SOUPERT.—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 20c.

One plant each of the five Fairies and the Rosa Wichuriana for 75c.



MOSS ROSE.

20 PLANTS

Beautiful Everblooming

PREPAID FOR \$1.00

That every flower lover in America may afford a collection of greenhouse plants we have grown these 20 kinds in large quantities so that we might afford to send this large number for the very low price. If you cannot afford the \$1.00 worth alone, ask one neighbor or two neighbors to order with you; 20 plants will stand dividing some. They are all choice plants suitable either for house culture or outdoor vases or bedding. They are not little slips, but good plants which we are sure will please you. If you can't purchase \$1.00 worth, we will send you 8 plants for 50 cents. Please remember that they are all to be our selection of varieties; we cannot allow you to select at this price. Many of these plants are choice high priced sorts, of which we have a surplus at time order is filled.

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 window or 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, is desirable for cemetery. Each 10c, doz. \$1.00.

SMILAX.

Well known, handsome climber, and the most popular of all vines with the florists. Each 15c.

TORENIA.

An admirable plant with light blue flowers, heavily blotched with very dark blue; shape like gloxinia. 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. Each 10c.

SAXAFRAGA.

SARMENTOSA.—The well known, much used old basket plant, with long, strawberry-like runners. Each 15c.

MOONFLOWER.

A handsome climber, growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers from 5 to 6 inches in diameter. Each 15c.

MOUNTAIN PINK. (*Crassulus*.)

A fine plant for basket or rockeries. Flowers bright pink, two inches in diameter. Each 10c.

SALVIA.

SPLENDENS.—Rich and abundant flowering plants, and indispensable in autumnal garden. Bright scarlet. Each 10c.



HARDY RUSSIAN DOUBLE VIOLET.



HANGING BASKET COLLECTION.

We have selected six of the best, most suitable and easily grown varieties of plants, which, when arranged in a hanging basket will make a beautiful effect and at all times be a most ornamental basket.

ABUTILON, Eclipse.—See description on page 66. Each 15c.

BEGONIA, Rex.—See description on page 67. Each 25c.

FUCHSIA, Trailing Queen.—See description on page 70. Each 15c.

VINCA, Major Variegated.—See description on this page. Each 10c.

SWORD FERN.—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.

WANDERING JEW, Variegated.—A popular variety, having foliage, beautifully variegated with white, pink and green. Each 10c.

THE ENTIRE COLLECTION FOR ONLY 75 CENTS.

VIOLET.

SWANLEY WHITE.—A truly superb variety which originated in Italy. It is the best double pure white variety. It grows very luxuriantly in pots. 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.

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.

HELIANTHUS.

MULTIFLORUS.—(Hardy Double Golden Sunflower.)—Flowers of a rich golden yellow. Very double and as large as a dahlia. Much prized as corsage flowers. Begins to bloom in July and continues until frost. Each 15c.

LANTANAS.

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. One of the best summer flowering plants. Each 15c.

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 wonderful 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 with 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.

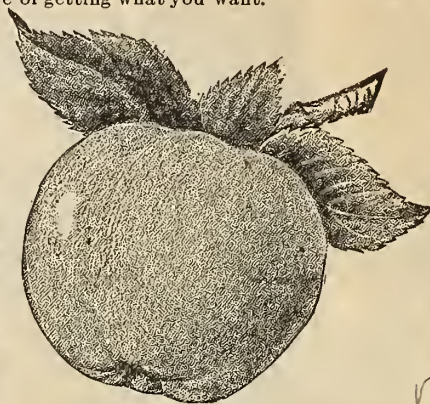
Red Astrachan—Medium size, beautiful deep crimson, striped yellow, hardy and of good quality. **Duchess**—Of good size, yellow, streaked with red, juicy, rich, sub-acid, a favorite everywhere. **Sops of Wine**—Medium size, dark crimson, pleasant flavor. **Cole's Quince**—Large size, greenish yellow, very best quality. Bears well when quite young. **Benoni**—Medium size deep red color, rich flavor.

AUTUMN SORTS.

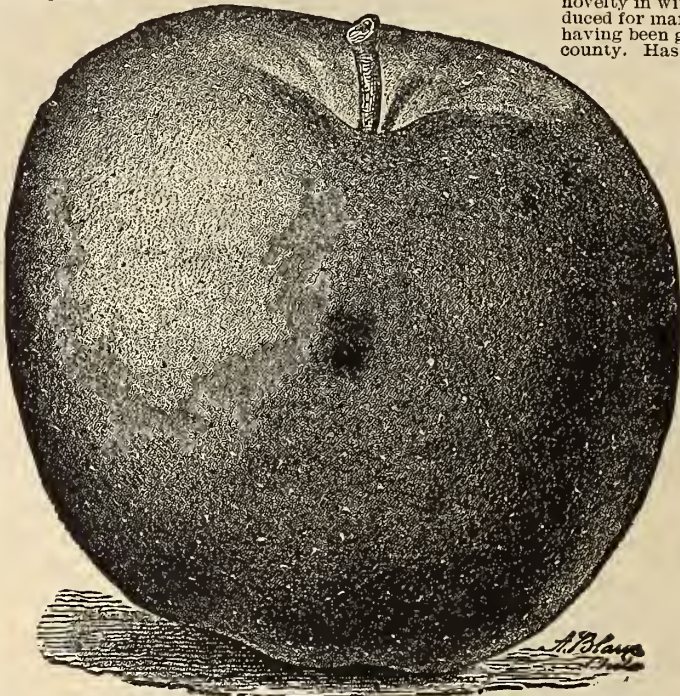
Wealthy—A perfect iron-clad. Fruit of large size, of fine appearance and quality, rich, sub-acid and delicious. An early and profuse bearer and quick seller on the market; keeps well. **Saxton**—Hardy and bears when young; medium size. **Longfield**—One of the best of the Russian varieties, an early 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 Famense**—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 hardest 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 (1/2 natural size).



CHISMAN.

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.

Soulard—A very large native crab. Originally found on the Illinois River.

Any of above.	Each	Per 10
5 to 6 feet.....	\$.30	\$2.50
Same, 3 to 4 feet.....	.25	2.00

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. **Seever's**—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.

Chisman—This valuable new sort is now offered for the first time and has been pronounced by many who have seen it, the best novelty in winter apples which has been introduced for many years. It is an Iowa apple, having been grown from the seed in Wapello county. Has been fruited for twelve years and proved perfectly hardy. It is of size and shape well represented by our cut; color yellow with a blush cheek. An early bearer, very productive, and the best keeper we have ever fruited. Quality most excellent, very tender, juicy, sub-acid and delicious. In use all winter. We want everyone to try this grand sort and have made prices very low for such a novelty. Each 40c, 10 for \$3.00.

PRICES.

For any of the above except Chisman:
5 to 6 feet, each 25c; 10 for \$2.00
3 to 5 feet, each 20c; 10 for \$1.25

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, Autonovka, Borsdorf, Lead, Grandmother, Red Wine, Bohemian Girl, Switzer, Longfield, Good Pleasant, and 25 other varieties.
4 to 6 feet, each 30c; 10 for \$2.25
2 to 4 feet, each 25c; 10 for \$2.00

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

For Wholesale Prices of
. Nursery Stock, see page 84.

THE ABUNDANCE PLUM



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 us to be the best.

ABUNDANCE.—This is unlike any other plum. It is exceedingly hardy. Its propensity for early bearing is such that it loads in the nursery row, bending the limb with the weight of the great ropes of fruit until they sometimes break, and this is the case every year. Many who have grown it claim that the curculio has no effect upon it, the eggs failing to hatch and produce the destructive grub. Sometimes even little one-year-old saplings, only 2 feet high, are white with bloom and set heavily with large fine plums. The fruit is large, showy and beautiful. Amber, turning to a rich bright cherry color, with a decided white bloom. Flesh light yellow, exceedingly juicy and tender, and of a delicious sweetness. Each 60c, 10 for \$5.00.

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. Many specimens measure 6½ inches and upward. It is the most profitable native plum known. Each 75c.

SIMONS' PLUM.—(Also called Prunus Simonij)—The leaves and bark look like the peach, while the fruit resembles an apricot. Perfectly hardy. Has a peculiar aromatic flavor not found in any other plum.

DE SOTO.—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.

ROLLINGSTONE.—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. Certainly one of the best.

COMFORT.—We are the introducers of this fine large plum, and with us it has proved one of the best.

Any of the above, except Abundance and Stoddart, 4 to 6 feet, each 40c, 10 for \$3.50.

PEACHES.

The following varieties of peaches are all hardy, and succeed well as far north as central Iowa, and there is a growing demand for them.

ELBERTA.—Large size, beautiful color, yellow and red, delicious quality, a vigorous grower, one of the most productive on all soils; a good shipper. Each 40c, 10 for \$3.50.

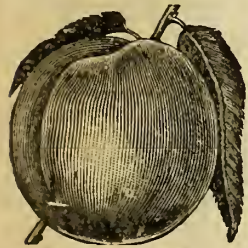
TONG PA.—A large freestone white peach. Perfectly hardy.

BOKARA.—The most hardy of all varieties. Has stood 28° below zero near Des Moines and borne a crop every year. Fruit grown on our place was shown at the

World's Fair, and measured seven inches in circumference and were in good condition after having been picked for a month. It is a freestone variety, flesh of good quality, skin tough, color yellow with red cheek. Each 60c, 10 for \$5.00.

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, except where noted, 3 to 5 feet, each 50c, 10 for \$4.00.



BOKARA PEACH.

CHERRIES.

THE WRAGG.—Sturdy grower and immense bearer of a 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. Is undoubtedly the most profitable late cherry introduced for Minnesota, Wisconsin and the northwest. 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 cannot afford to do without at least a few trees. 5 to 6 feet, each 75c, 10 for \$6.00; 4 to 5 feet, each 60c, 10 for \$5.00.

EARLY RICHMOND.—The best early, medium size, dark red, juicy and sprightly acid.

ENGLISH MORELLO.—Blackish red, rich, acid, quite productive.

MONTMORENCY.—Large, bright red, acid.

PRICES.—Above three varieties are strong trees. 5 to 6 feet, each 60c, 10 for \$4.50; 3 to 4 feet, each 30c, 10 for \$2.50.

RUSSIAN CHERRIES.—From the long list of Russian cherries we have only selected those that were 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 feet, each 60c, 10 for \$5.00.

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.

BESSEMIANKA.—Famous seedless pear of Russia. Medium size, russeted, very sweet, tender, juicy, delicious. Hardy.

KIEFFER'S HYBRID.—It is a fair dessert fruit and one of the very best for canning and preserving. Its large size and handsome appearance always causes it to sell well on the market. Its freedom from blight, early bearing, productiveness, vigorous growth and handsome appearance indicate it has come to stay. Season, October and November.

IDAHO.—Is very large and handsome; core small; skin golden yellow, with russet spots; flesh melting, juicy, with a sprightly, vinous, delicious flavor. Season, September and October. 4 to 6 feet, each 75c, 10 for \$6.00.

FLEMISH BEAUTY.—Large juicy, rich flavored. September and October.

BARTLETT.—Very popular, large clear yellow, rich, juicy, high flavored, great bearer.

Any of the above, except Idaho, 4 to 6 feet, each 60c, 10 for \$5.00.



BUSHEL FROM A 4 YEARS OLD KIEFFER PEAR TREE.

Notice Our Cheap \$1.00 Collections and Wholesale Prices of Nursery Stock on Page 84.



BUFFALO BERRY.

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. Strong plants, each 40c.

RUSSIAN MULBERRY.

A valuable tree of vigorous growth and hardiness. Quite desirable for windbreaks and for feeding silk worms. Fruit of medium size, pleasant and palatable. 2 to 3 ft., each 15c; 10 for \$1.00. 3 to 4 ft., each 20c; 10 for \$1.50.

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. Our illustration was made from a photograph of a branch and 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, each 75c; small size, by mail, each 40c.

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 35c, 10 for \$3.00.

DOWNING.—Best of the American sorts. 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, 10 for \$1.25.

HOUGHTON.—Fruit of medium size; skin smooth; pale red; flesh tender and good. Each 10c, 10 for 75c.

DEWBERRIES.

Larger, sweeter, and by some considered superior to the blackberries. 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, 10 for \$1.00.

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 10c per 10; 50c per 100.

NORTH STAR.—This new seedling currant is very vigorous, perfectly hardy, and seldom affected by the borer. The bunches are long and well filled with fruit, and borne in the greatest profusion, as shown in our illustration which is, of course, greatly reduced in size, as the berries are about half an inch in diameter. The fruit is of superior quality, very sweet and rich, desirable for market, and as a dessert or for jelly it is unsurpassed. The most rapid grower and prolific sort we know of. Each 25c, 10 for \$2.00.

FAY'S PROLIFIC.—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 20c, 10 for \$1.50.

CRANDALL.—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. Euormously productive and generally produces fruit same season planted. Fruit sometimes as large as the

Concord grape. Excellent flavor. Try it. Each 25c, 10 for \$2.00.

WHITE GRAPE.—Largest, best white sort, very handsome, sweet, and productive. **CHERRY.**—Is sometimes one-half inch in diameter. Is productive if on good soil. **RED DUTCH.**—An excellent and well known old sort. **WHITE DUTCH.**—Same, except color. Each 15c, 10 for 80c.

Japanese Wineberry.

One of the most widely advertised fruits and very popular in some parts of the country. Resembles the raspberry. Fruit round, deep red, glossy and handsome. Of luscious flavor, and makes a rich wine. Vine hardy and productive. Each 25c, 10 for \$1.75.



MOUNTAIN CHERRY.



INDUSTRY GOOSEBERRY.

GRAPES.



MOORE'S DIAMOND.



MOORE'S EARLY.

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 traue up by the side of any building, or along the garden fences, occupying but little room, furnishing an abundance of the healthiest fruits. They are a most satisfactory fruit, and can be as easily grown as potatoes. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery. All kinds listed are perfectly hardy, but the Agawam should have some winter protection. If to be mailed add 15c for 10.

MOORE'S DIAMOND.—A vigorous grower, with dark, healthy foliage, entirely free from mildew. A prolific bearer; bunches large, handsome and compact, slightly shouldered; color delicate, greenish-white, with rich, yellow tinge when fully ripe. Skin smooth and free from specks; pulp tender, juicy and nearly transparent, with very few seeds. Berry about the size of Concord. Quality best; rich, sprightly and sweet. Ripens about two weeks before Concord. Each 25c, 10 for \$2.00.

MOORE'S EARLY.—A most profitable black variety. 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, 10 for \$2.00.

COTTAGE.—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, and is undoubtedly the best grape for arbors or covering verandas in the whole list. The foliage is of a bright pleasing green, while the underside of leaf is a beautiful golden yellow. The bunch is medium to large, berry larger than Concord and ripens earlier. Very productive, juicy, tender and delicious. It is a long keeper. The berries seldom burst open. Can be kept until Christmas in good condition. Each 20c, 10 for \$1.50.

AGAWAM.—A fine, large, red herry, and cluster of good size. Quality excellent, decidedly aromatic flavor, very vigorous grower and productive. We consider the Agawam superior in flavor to any other variety that we grow. Each, 20c, 10 for \$1.50.

GOLDEN POCKLINGTON.—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. Each 20c, 10 for \$1.50.

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, 10 for \$1.25.

CONCORD.—So popular that it needs no description. Either one or two year old vines, each 15c, 10 for \$1.00.

BRIGHTON.—A cross between Concord and Diana Hamburg. Resembles Catawba in color, size and form of bunch and berry. Flesh rich, sweet and of the best quality. Ripens earlier than Delaware. Vine vigorous and very hardy. This variety has now been thoroughly tested, and it may now be truly said to be without an equal among early red grapes. Each 20c, 10 for \$1.50.

NIAGARA.—Bunch medium to large; berry large; skin thin and tough; slightly pulpy, tender, sweet. Vine vigorous, healthy and very productive. All things considered probably the most valuable white grape in cultivation. Each 20c, 10 for \$1.50.

GRape COLLECTION. One vine each of the above nine unexcelled varieties (four black, two red, two white and one golden sort), making a splendid assortment for any private family, for only \$1.25.

RASPBERRIES.

Any good corn ground is suitable for them, and they like it rich. Set in rows five feet apart, and three feet apart in row. If by mail add 10c per 10, 50c per 100.

REDFIELD.—See description of this splendid novelty on second page of cover. Each 50c, 10 for \$4.00.

KANSAS.—Ripens just after Souhegan; berries as large or larger than the Gregg, jet black, firm, handsome and of the best quality. Very vigorous growth which continues through the season; holds its foliage until frost, stands drought and cold, exceedingly productive. Fruit firm, carries well to and presents a handsome appearance in market. Each 15c, 10 for \$1.25.

SOUHEGAN, OR TYLER.—Large, black, without bloom and of medium quality. Plant very hardy and a great bearer, ripens a little before Ohio. Each 15c, 10 for \$1.00.

OLDER.—This new variety bids fair to become one of our leading berries; fruit large, black, firm; a strong grower. Each 15c, 10 for \$1.25.

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 from less than one acre and a half. Each 10c, 10 for 75c.



SHAFFER'S COLOSSAL RASPBERRY.



GOLDEN QUEEN RASPBERRY.

OHIO.—Early, hardy and productive; black. Each 10c, 10 for 75c.

CUTHBERT.—Dark crimson. Each 10c, ten 75c.

GREGG.—Popular late black sort. Each 10c, 10 for 75c.

NEW GOLDEN QUEEN.—Beautiful clear amher color, firm and of delicious flavor. Is of very vigorous, strong growth, hardy, and in productiveness simply marvelous. No home garden is complete without it. Each 15c, 10 for \$1.00.

MUSKINGUM.—A new variety bearing an enormous purple red berry, the juice of which is 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. Each 15c, 10 for \$1.00.

RASPBERRY COLLECTION. One plant each of the above ten varieties, making an unequalled assortment, for only \$1.25.

50. R have our P

STRAWBERRIES.

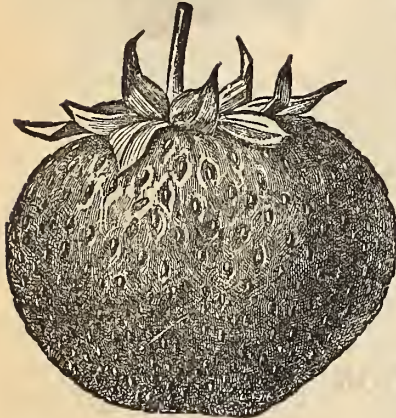
The first maturing, most beautiful, delicious, wholesome and appetizing of fruits is the strawberry, and no matter how small the garden, you cannot afford to do without a small bed of them. Plant in March, April, May, September or October, in rows three feet apart and fifteen inches in the row for field 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. See special prices by the thousand. If desired by mail, add 25c. per 100 for postage.



WARFIELD.

WARFIELD.—(p.)—Is taking the lead for market variety. A vigorous grower, tough and hardy, and astonishingly productive. Fruit is large, dark, glossy red, and it holds its color and form a long time after being picked. It has an agreeable, sprightly flavor, and it ripens early. Per 10, 35c; per 100, \$1.25.

BUBACH.—(p.)—A most wonderful berry in vigor of plant and yield of fruit, even under careless culture. The fruit is, in many instances, enormous, and the average is large and handsome. Per 10, 35c; per 100 \$1.50



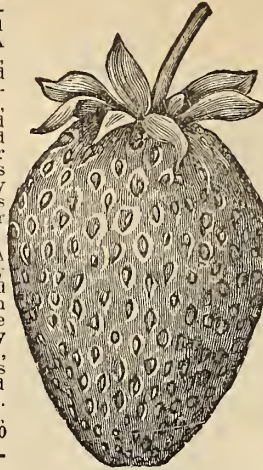
BUBACH.

GREENVILLE.—(p.)—Is a strong competitor of the Bubach. The plants make a stronger growth and are quite as productive. The berries average a little smaller than Bubach, but are more uniform in size and regular in outline, and of finer texture and better shippers. Per 10, 60c. 100 \$2.00.

TIMBRELL.—(p.)—Pronounced by many the "gem of strawberries." It is a new variety, of large, average size, excellent flavor, very productive and healthy. Almost entitled to the name "frostproof." Per 10, \$1.00.

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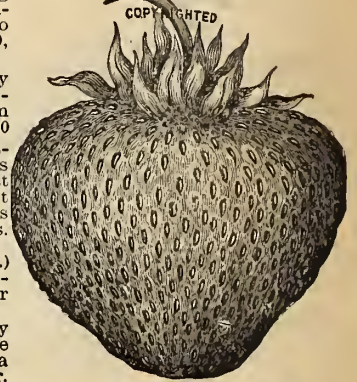
PARKER EARLE.

BEDERWOOD.—A valuable early sort of quite recent introduction, but has proved a vigorous grower and very productive. Quality excellent. Per 10, 35c; per 100 \$1.50.

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, no hollow core, quality excellent, fruit borne in greatest profusion, the rate of fifteen thousand qts. to the acre having been gathered. Season is medium to very late. Per 10, 60c; per 100 \$3.00.



GREENVILLE.



BEDERWOOD.

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. One of the best fertilizers for the imperfect-flowered sorts. Per 10, 35c; per 100 \$1.25.

CRESCENT SEEDLING.—(p.)—Has for years been the standard market sort. Per 10, 30c; per 100 \$1.25.

SHUCKLESS.—A new variety creating much attention in some localities, although it was not a success on our place this year. Per 10, 75c; per 100 \$3.50.

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.

OHMER.—A new variety from the same source as the Gregg raspberry; the success of which should be a guarantee of the worth of any other introduction of its disseminator. He describes it as a very strong grower, productive and hardy; berries very large, firm, and of sweet, fine flavor. We strongly recommend it for trial. Ripens late. Each 25c, 10 for \$2.00.

ERIE.—Many claim this to be the best of all kinds and on some soils the canes are of iron clad hardness, and 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. This 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. Each 20c, 10 for \$1.50.

SNYDER.—More grown than any other in this latitude because of its extreme hardness. Medium size. Each 10c, 10 for 75c.

STONE'S HARDY.—Upright, vigorous grower. Berries are a glossy black and of a delicious flavor, later than Snyder. Each 15c, 10 for \$1.00.

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.

SIBERIAN ARBOR VITE.—Hardy, 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. 12 to 18 inches, each 25c.

AMERICAN ARBOR VITE.—8 to 12 inches, per 10 75c; 12 to 18 inches, each 15c, per 10 \$1.00; 2 1/2 to 3 feet, each 35c.

SCOTCH PINE.—8 to 12 inches, per 10 \$1.00; 12 to 18 inches, per 10 \$1.25.

WHITE PINE.—8 to 12 inches, per 10 \$1.00; 12 to 18 inches, per 10 \$1.25.

SAVIN.—18 to 24 inches, each 30c.

BALSAM FIR.—12 to 18 inches, each 15c; per 10 \$1.25 18 to 24 inches, each 25c, per 10 \$2.00.

JUNIPER.—8 to 12 inches, per 10, 75c.

GLOBE ARBOR VITE.—12 to 15 inches, each 35c.

HEMLOCK.—18 to 24 inches, each 35c, per 10 \$2.50.

TRAILING YEW.—12 to 18 inches, each 25c.



WHITE SPRUCE.

NORWAY SPRUCE.—A lofty and one of the best evergreens for hedges and windbreak. 8 to 12 inches per 10 75c; 12 to 18 inches, per 10 \$1.00; 24 to 36 inches, per 10 \$2.00.

WHITE SPRUCE.—12 to 18 inches, per 10 \$1.50; 18 to 24 inches, per 10 \$2.00; 24 to 36 inches, per 10 \$3.00.

A great variety of other evergreens at low prices. Ask for list.

Ornamental Trees.

CATALPA SPECIOSA.—4 to 6 feet, each 25c, per 10 \$2.00.

MOUNTAIN ASH.—6 to 8 feet, each 50c, per 10 \$4.00.

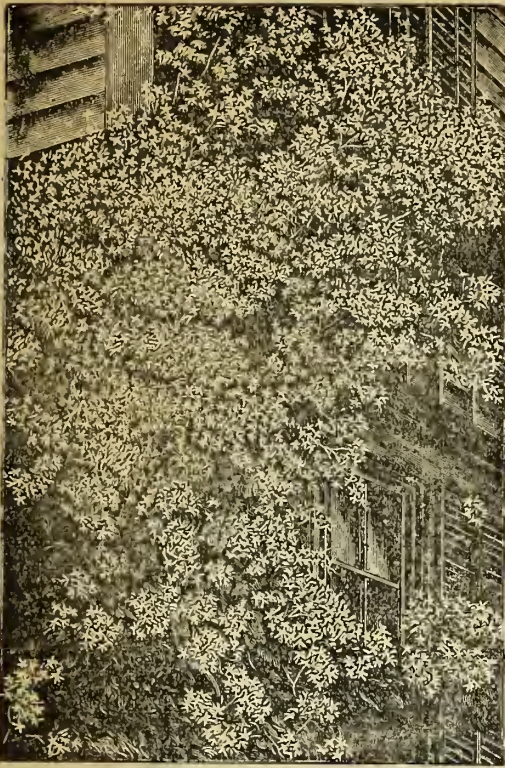
CUT-LEAVED WEEPING BIRCH.—4 to 6 feet, each 75c

POPULUS BOLLEANA.—4 to 5 feet, each 50c.

OLEASTOR.—4 to 6 feet, each 50c.

Apricot.

CHINESE.—This is said to be as fine fruit as California apricots. It was brought from Northwest China, and is perfectly hardy. It is very scarce as yet. No. 1 trees. Each 50c, 10 for \$4.00.



VIRGIN'S BOWER.

Mammoth Vegetable Collection.

(Col. No. 11.)

One packet each of Marblehead Mammoth cabbage, Yard Long beans, Dignity mangel, Astro cucumber, Shunway's Giant musk melon, Prizetaker onion, King of Mammoths pumpkin, Mammoth Chili squash, Ponderosa tomato. In all, nine packets, worth 55c., for 45c.

Curious Vegetable Collection.

(Col. No. 12.)

One packet each of Snake cucumber, Improved ground cherry, Purple Husk tomato, garden lemon, White Velvet okra, Ornamental pomegranate, Orange water melon, peanuts, chufas, cotton, Chinese tea, leutis and coffee berry. In all, 13 packets, worth 95c., for 75c.

OSAGE HEDGE PLANTS.

The introduction of barbed wire for fences has stopped the sale of hedge plants for a number of years, but of late they are growing in favor again, and all will admit that a nicely trimmed hedge is much handsomer, as well as a better protection, than almost any kind of fence that can be put up. The expense of making it is trifling, as a thousand plants will make 31 rods of hedge, when set six inches apart. They do not injure live stock as barbed wire does, and will soon save their cost in that particular. They also make good divisions for city lots. By express or freight, per 100, 50c; per 1000, \$2.50; 5000 for \$10.00.

I got 2000 osage plants of you 4 years ago, and I believe this spring I have a hedge that a rabbit can't get through.
J. H. OSBORN, Hopkins, Mo.

ORNAMENTAL VINES AND CREEPERS.

Don't omit to ask for a few vines with your order. Smaller plants of any of the following, (except Clematis Jack.) 25 cents each, by mail, postpaid.

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 first season the plant grows ten to twelve feet and is literally covered with thousands of pure white flowers which are delightfully fragrant, and blooms continually from July to September. The foliage is dense, trifoliate pointed leaves. The beauty of the flowers is equaled, 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. It is free from insect enemies, and we know of no vine which will give more universal satisfaction. Each 25c, 5 for \$1.00, postpaid.

TRUMPET FLOWER.—Of rapid growth, with large, showy, trumpet-shaped scarlet flowers and pretty foliage. Each 40c.

AMPELOPSIS-VEITCHII.—(Boston Ivy.)—This is one of the finest climbers we know of for covering walls, as it clings firmly to the smoothest surface. Each 40c.

CHINESE WISTARIA.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet, and when covered with bloom is truly magnificent. Color blue. Each 40c.

VIRGINIA CREEPER OR AMERICAN IVY.—Each 40c.

HONEYSUCKLE, Red Coral or Scarlet Trumpet.—A strong, rapid grower, with an abundance of bright scarlet flowers. 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. Each 40c.

CLEMATIS, Jackmanii.—Flowers large and in such masses as to form a cloud of bloom of intense violet-purple, having the appearance of velvet, and remarkably rich. Large, fine three-year-old plants, only \$1.00.

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. 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.

DEUTZIA.—A very desirable shrub of strong, hardy growth, bearing an abundance of beautiful racemes of double, pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these choice shrubs in their yard, and we have made the prices so low that all can purchase. Strong plants. Each 25c.

EXOCHORDIA GRANDIFLORA.—Bears a great profusion of beautiful pure white flowers, and the buds, before opening, greatly resemble clusters of rarely fine pearls. Each 50c.

JAPAN QUINCE.—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 and popular shrub, which grows to large size, covered with dense spherical clusters of white flowers, which gives 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 makes it more desirable to some. Each 40c.

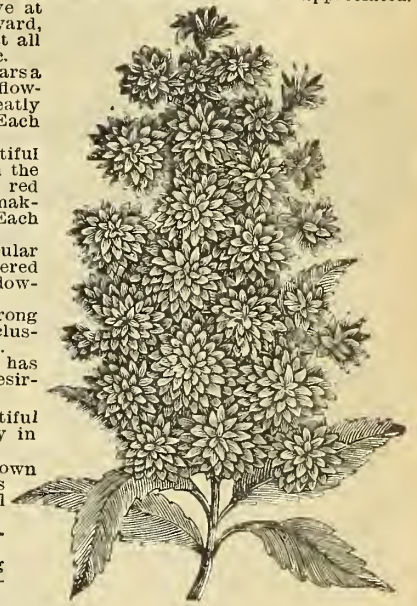
TREE HONEYSUCKLE.—A very beautiful shrub loaded with pink flowers early in spring. Each 40c.

HARDY ROSES.—Large nursery-grown quick-blooming plants. We have such as Prairie Queen, Baltimore Belle, General Washington, etc. Each 35c. 3 for \$1.00.

HYDRANGEA — Paniculata Grandiflora.—Each 40c.

SPIREA.—One of the most charming and beautiful of shrubs. Assorted varieties. Each 40c.

SYRINGA OR MOCK ORANGE.—Each 40c.



DEUTZIA.

\$1.00 — ONE DOLLAR COLLECTIONS! — \$1.00

Any one of these collections sent postpaid for \$1.00, or six for \$5.00. These low priced collections cannot be changed or divided. There is no discounts on these, except that we will send any six collections for \$5.00. Unless named in collection, the choice of varieties must be left with us. Everything will be plainly labeled, and nothing but strong, well rooted one-year stock will be sent. When ordering name the number of collection only. \$1.00 each.

- SET No. 21.—Fourteen apple trees, 7 sorts.
- Set No. 22.—Four pear trees and 4 apple trees all different.
- SET No. 23.—Three cherry trees and 3 pear trees, all different.
- SET No. 24.—One pear, 1 cherry, 1 apricot, 1 plum, 2 peach, 2 apple.
- SET No. 25.—Twelve grape vines, two each of Brighton, Concord, Agawam, Pocklington, Worden and Niagara.
- SET No. 26.—Fifteen Concord grape vines or 13, entirely our choice, in 4 varieties.
- SET No. 27.—Forty-two raspberries, 6 each of Souhegan, Gregg, Cuthbert, Shaffers, Golden Queen, Turner, Ohio
- SET No. 28.—Twenty currants, 5 each of Red Dutch, Cherry, Victoria and White Grape.

- SET No. 29.—Forty strawberries, 10 each of Warfield, Parker Earle, Bubach, Haverlaud.
- SET No. 30.—Two grape vines, two currants, 5 raspberries, 5 blackberries, 2 gooseberries.
- SET No. 31.—One Idaho pear, 1 Abundance plum, 1 Champion peach, 1 Diamond grape.
- SET No. 32.—One Norway Spruce, 1 American Arbor Vita, 1 Scotch Pine, 1 Pyramidal Arbor Vita, 1 Irish Juniper, 1 Hemlock.
- SET No. 33.—Two Downing gooseberries, 2 Red Dutch currants, and 1 each of Golden Queen, Cuthbert, Shaffer's Colossal, and Ohio raspberries.
- SET No. 34.—Ten hardy Catalpa (12 to 18 inch) 5 Russian Mulberry, and 1 each of Red, White and Pink Spirea.

- SET No. 35.—One Pink Lilac, 1 Rose Acacia, 1 Deutzia, 1 Spirea, and 1 Japan quince.
- SET No. 36.—One Trumpet vine, 1 Red Honey Suckle, 1 Wistaria, 1 Syringa, 1 Spirea.
- SET No. 37.—Six hardy shrubs, our selection.
- SET No. 38.—Six hardy climbing vines, our selection of varieties.
- SET No. 39.—Two Norway Spruce, 2 Scotch Pine, 1 White Pine and 1 White Spruce.
- SET No. 40.—Five Norway Spruce, 5 Scotch Pine and 5 European Larch.
- SET No. 41.—One Scotch Pine, 1 White Pine, 1 Norway Spruce, 1 White Spruce, 1 Red Cedar, 1 Arbor Vita, and 1 Balsam Fir.

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.—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 is one of the best tools 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.**

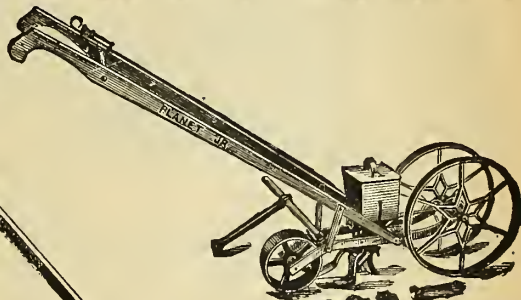
PLANET JR. PLAIN SINGLE WHEEL HOE.—Has only one pair of hoes, but the other attachments may be added later if desired. It is cheap and will be a popular tool. **Our price only \$3.15.**

5 Per Cent Discount

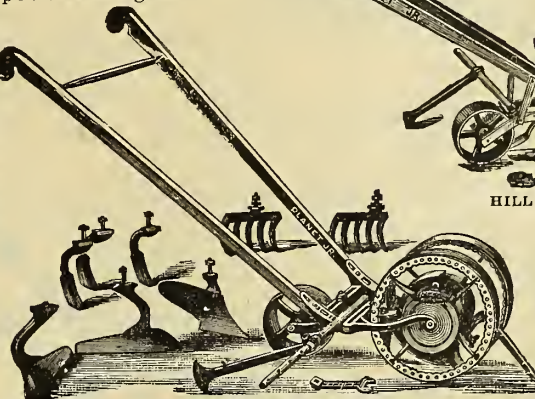
On two or more machines ordered to be shipped together.

... 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.

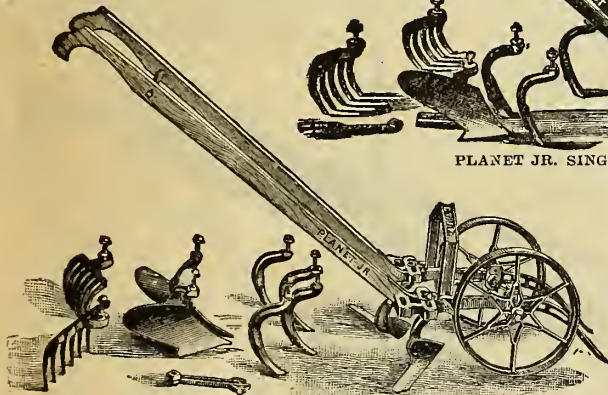
THE PLANET JR. COMBINED DRILL, WHEEL HOE CULTIVATOR AND PLOW.—This is the most popular tool we have ever sold. As a Plow it opens furrows, covers them, hills, plows to and from, etc. As a

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, 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 everyone 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, \$12.00. 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.



PLANET JR. SINGLE WHEEL HOE.

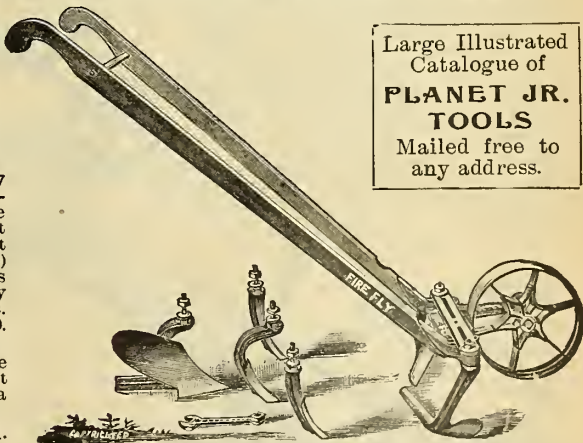


PLANET JR. DOUBLE WHEEL HOE.

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 the attachment 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 PLANET JR. PLAIN DOUBLE WHEEL HOE.—This machine is the same as the machine just described, except that it has no attachments except one pair of hoes. It is just the thing for onion growers and others who want a hoe only, and at a small cost. Price, \$4.00.

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.**



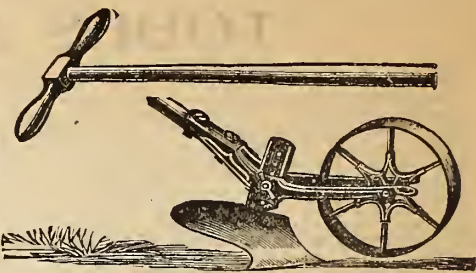
FIRE FLY SINGLE WHEEL HOE.

Large Illustrated Catalogue of
PLANET JR. TOOLS
Mailed free to any address.

We received the little Planet Jr. Double Wheel Hoe, ordered from you and think it is all it is recommended. Tending garden with it is mere play.
IRA E. BABCOCK, Farnhamville, Ia.



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 operate 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 control 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 \$4.40.



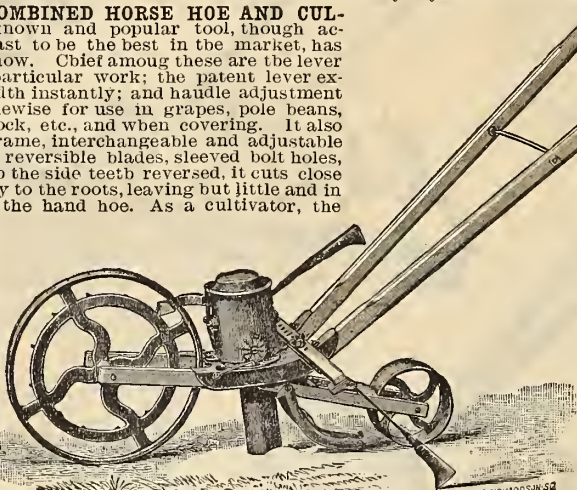
FIREFLY GARDEN PLOW.

FIREFLY WHEEL GARDEN PLOW.—Makes the care of a vegetable garden a pleasure, and 10,000 families who could not find time to keep a garden, if attempting its cultivation with an ordinary hand hoe, can raise their own vegetables successfully with the Firefly. Will both plow the garden and attend to the cultivating and weeding throughout the gardening season. The moldboard is tempered and polished steel. Price, only \$2.25.

MATTHEWS' DRILL.—This is the old original Matthews, and in our opinion, the most perfect of all. We have used these drills for about ten years on our seed farms, and although we have all the new makes, we prefer this. It is of especial value in sowing beet, parsnip and other difficult seeds, and our men claim they can do far more work in a day with it than with any other. The only objection to it is that it is not advertised and the gardeners do not know

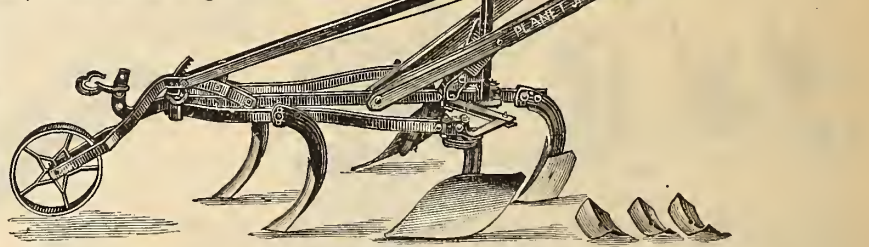
of it, thus making it difficult to sell. But when there is one in a locality others are sure to order. When in operation, it opens the furrow, drops the seed accurately at the desired depth, covers it and lightly rolls the earth down over it, and at the same time marks the next row, all of which is done with mechanical precision, by simply propelling the drill forward. The agitator stirs the seed in the hopper thoroughly by a positive motion, which insures continuous and uniform delivery, and the bottom of the hopper is made sufficiently dishing to sow the smallest quantity of seed. When desired, the movement of the agitator can be checked, and the drill may then be propelled forward or backward without dropping seed. There is also an ingenious device just added by which the seed can be cut off while turning at the ends of rows, thus saving quite a percentage of seed. A simple contrivance accurately gauges a uniform deposit of the seed to any required depth, thus avoiding the risk of planting at irregular depths, or so deep in places as to destroy the seed. List price, \$12.00. Our price only \$8.50.

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 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 biller, the side teeth work in combination with the rear shovel to perfection. List price, \$12.00. Our net price is 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.



THE PLANET JR. TWELVE-TOOTH HARROW, CULTIVATOR AND PULVERIZER.—For fine cultivation, either deep or shallow, this has no equal. The reversed throat and high frame prevents clogging, and the reverse position is given to the teeth in a short time by changing a single bolt in each. It is provided with a new 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.

PLANET JR. NO. 2 SEED DRILL.—Similar to but larger than Planet Jr. Combined Drill, holding 2½ qts. List price, \$9.00. Our price \$7.20.



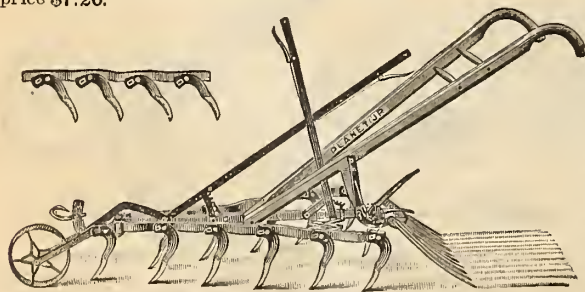
LANG'S HAND WEEDER.—It is, in our opinion, the best weeder made. Its special advantages over all other weeders of this class is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. It is neatly and strongly made. Price 25c, \$2.50 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; \$3.25 per doz, or postpaid for 35c each.

LANG'S HAND WEEDER

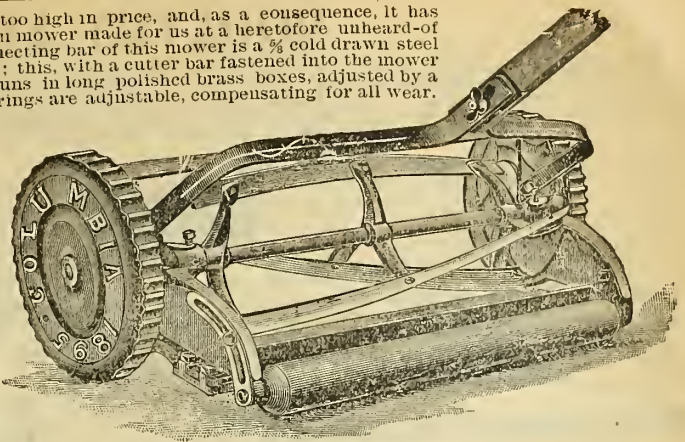
HANDIEST TOOL ON EARTH.

30¢ BY MAIL PREPAID



Money Saved! A Planet Jr. Combined Drill, Wheel Hoe, Cultivator and Plow only \$8.50.

COLUMBIA LAWN MOWER.—Lawn mowers have always been too high in price, and, as a consequence, it has kept down the sale, but we have finally succeeded in having a lawn mower made for us, as a heretofore unheard-of figure and we propose to give our customers the benefit. The connecting bar of this mower is a $\frac{1}{2}$ cold drawn steel shaft, fastened on the inside of disc with tempered steel set-screws; this, with a cutter bar fastened into the mower in the best possible way, makes it strong and rigid. The reel runs in long polished brass boxes, adjusted by a single screw at each end. The best tempered steel is used, and bearings are adjustable, compensating for all wear. The best malleable iron is used in the roller arms and reel spiders. Instead of a ratchet, we use a clutch that is positively noiseless, on which there is no wear, as it is either fully engaged or entirely out of the way; the clutch is engaged by the forward motion of the drivers only—no springs or extra pieces to wear out or get lost. It has a floating handle that is quickly adjusted for a child or tall person, or for cutting down a terrace, simply by a thumb-nut acting on a notched clamp on the handle and handle irons. A 14-inch mower for only \$3.85, or one cutting a 16-inch swath for only \$4.10.



COLUMBIA LAWN MOWER.

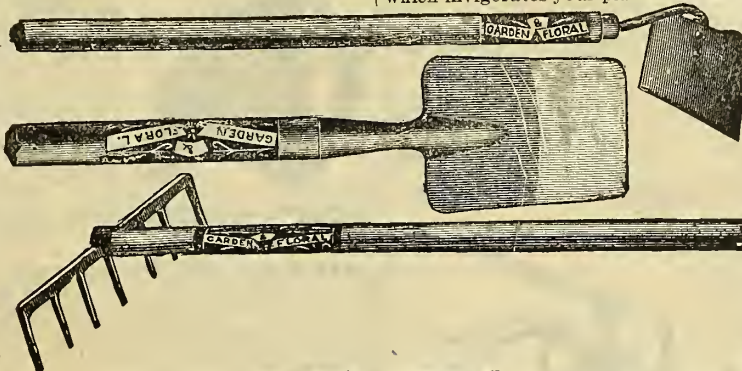
CHILDREN'S GARDENING SETS.—Give your boys and girls a garden. Provide a means of healthy exercise and recreation and you will certainly be surprised at the enthusiasm and love of nature which is aroused by daily work among the plants, from the first preparing of the ground and sowing the seed, through the weeks of watching, the growth and cultivating until the harvest. To encourage gardening for the young, we offer these sets at low prices. They are also nice tools for ladies to use in the flower garden. Purchaser pays the express charges on all of these. No. 20 consists of a steel spade, steel hoe, and six-tooth rake. Handles twenty inches long. Price for the set, 15c. No. 100 consists of a steel spade, steel hoe, and a six-tooth malleable rake. Handles thirty inches long. Price for the set, 25c. No. 30 consists of a east steel 5x1x3 $\frac{1}{4}$ spade with T handle, steel hoe, and seven-tooth malleable rake. Polished blades and varnished handles thirty inches long. Price complete, 50c. No. 14. Larger size for ladies. Set, \$1.00.

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 expressly 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; $\frac{1}{2}$ lb. pkg. 15c, postpaid for 25c.

CHILDREN'S VEGETABLE COLLECTION.—(Col. No. 10.)—Contains one packet each of beet, cucumber, lettuce, radish, pop corn and sunflower. In all six packets, our choice of varieties, for only 15c, postpaid. See also the Children's Floral Collection, described on page 43. Six packets for 15c.

Parents! Purchase the above two collections of seed and a set of garden tools, and you will find them worth to your children many times their cost.



CHILDREN'S GARDENING SET.

GARDEN TROWELS.—Five inch, each 15c; six inch, each 20c.

FLORIST'S TROWELS.—Extra heavy, each 40c.

CONCAVE AND CURVED SEED POTATO KNIFE.—See description on page 42. Each 35c, postpaid.

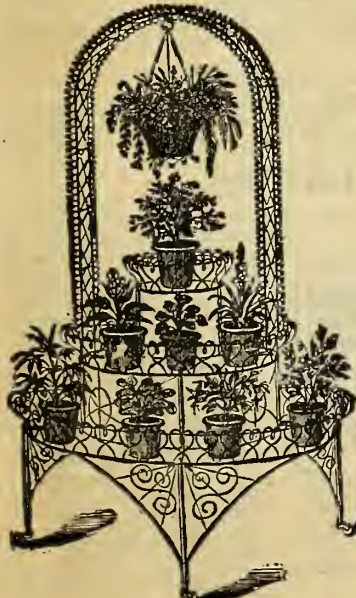
HAND BROADCAST SOWERS.—See description on page 40. Each \$1.50.

ROTARY CORN PLANTERS.—See description on page 34. Each \$1.50.

MOLE TRAPS.—All the old styles of mole traps boiled down into a better one at one-half the old price. It does the work. No mole can pass under this trap and live. Price only \$1.00.

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 each.



WIRE PLANT STAND, NO. 10.

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.

WIRE WINDOW SHELVES.—Thirty-six inches long. Each \$1.00.

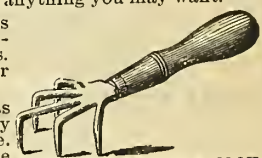
WIRE FLOWER POT BRACKET.—Very neat and convenient. Each 15c, \$1.50 per doz.

FLORISTS' 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, and should be used by everyone desiring a fine lawn.

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; Four-inch, 60c; 5-inch, 75c; 6-inch, \$1.00; 7-inch, \$1.50; 8-inch, \$2.40; 9-inch, \$3.00. We make no charge for packing or delivering at depot here. All orders for these must amount to at least \$1.00. Many styles of a handsome pots, hanging baskets and vases at very low prices. We have anything you may want.

EXCELSIOR WEEDING HOOK.—This instrument can be used to great advantage among small and tender plants. Price 15c, per doz. \$1.50, or postpaid for 25c, each.



EXCELSIOR WEEDING HOOK.

SULPHO-TOBACCO SOAP.—In our tests this has proved the most effective of any insecticide, and is perfectly safe to use. Its chief ingredient is the gum of the richest Virginia and Kentucky leaf tobacco. It is formed with whale oil and sulphur, in a soluble state, into a soap. In this form it is very convenient for general use. The soap is easily dissolved in warm or cold water. Per 8-oz. can 25c, or by mail postpaid for 35c.

TREE LABELS.—3 $\frac{1}{2}$ -inch, notched. Per 1000, 50c.

POT LABELS.—4-inch, pointed. Per 1000, 60c.

TRELLISES.—15c. to \$2.00 each.

RAFFIA.—Excellent for tying asparagus and other vegetables. Gardeners should try this. Per lb. 25c.



DUSTER.

HAMMOND'S SLUG SHOT.—A combination of the most potent insecticides and most soluble plant food. When you order your seeds, if you have not tried Hammond's Slug Shot, order a 4- 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, \$5.00. By mail, postpaid, 1 lb. 25c; 5 lbs, \$1.00.

DUSTERS.—For Hammond Slug Shot. Each 35c.

BIRD SEED.

Clean, fresh seed. Postage 10c. per lb. extra:
 Canary..... per lb..... 8c.
 Russian Hemp... " "..... 8c.
 Rape..... " "..... 10c.
 Sunflower..... " "..... 15c.
 Maw..... per oz..... 5c.
 Mixed Bird Seed for Canaries... 8c.
 Mixed Seed for Parrots..... 15c.
 Cuttle Bone... 3c. each, 25c. per doz.



TRADE MARK.

POULTRY SUPPLIES.

The annual sales of poultry and eggs in Iowa amount to several times the value of the fruit crop, and still it is surprising to see how little attention is paid to this business, the possibilities of which are almost beyond estimation. We are the only firm in the state that handles a complete line of poultry supplies. We are constantly testing all the new inventions in this line and are particular to handle only the best which we are sure will please our customers. We list here some of the leading items. Send for our complete descriptive list if you are interested. Prices are subjected to important market changes. Will be glad to name special figures on large lots.

PAUL'S STONWARE DRINKING FOUNTAINS.—For poultry, pigeons and bees. These fountains keep the water cool and clean, and prevent the birds from getting wet. The best and cheapest in the market. Convenient, ornamental and practical. The best testimonial is 50,000 sold in five years. Price two qt. size, 25c; gallon size, 35c; two gallon size, 50c.



BROCKTON POULTRY FOUNTAIN.—For poultry, pigeons, etc., it cannot be excelled. Keeps the water free from dust or dirt. 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.



THE IOWA LEG BAND.

—Well shown in the illustration, being made all of one piece of soft pliable



brass-hand. The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened and can be instantly adjusted to fit any bird from a pigeon to a turkey. Impossible for the bird to loosen and will not injure the leg. Price, 35c per doz. \$2.00 per 100 postpaid.

POULTRY WIRE NETTING.—The best make, thoroughly galvanized to prevent 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 inch, \$2.25; 36 inch, \$3.00; 48 inch, \$4.00; 60 inch, \$5.00; 72 inch, \$6.00; 5 rolls or more at 10 per cent discount. Half rolls at one 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., \$2.50.

WEBSTER & HANNUM BONE CUTTERS.—Very popular in some localities. No. 1, each \$10.00; No. 2, each \$12.00.

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. Turns easy, cuts fine and fast, and is simple in construction, nothing to get out of order. Weight, 130 lbs.; price, \$18.00. Our price only \$16.00. Without stand for \$13.50.

CLIMAX EGG BASKET.—The lightest and best basket made for shipping eggs for hatching. See cut on page 84. 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.

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.

PEEL'S POULTRY FOOD.

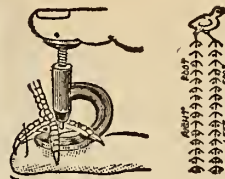
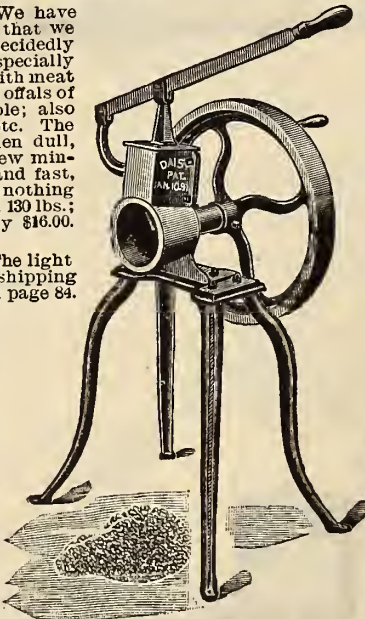
—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. Per 4 lb. pkg., 50c; 1 1/2 lb. pkg., 25c. Postage 16c. per lb. extra.

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., \$1.00; 100 lbs., \$2.75.

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., \$2.75.

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, 25c; by express, 10 lbs. or more, 10 lb.

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; 4 for 50c postpaid.



SPONGIAN TABLETS.—For curing roup. 10c per doz.; 3 doz. for 25c postpaid.

PORCELAIN NEST EGGS.—5c each; 30c per doz.

HEMP SEED.—Used largely for feeding birds and pigeons. Per lb, 8c

FRENCH POULTRY KILLING KNIFE.—Best and most humane method of killing. Price, 50c. postpaid.

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.



WILSON'S BONE MILL No. 1.—One of the greatest conveniences about a poultry house is one of these mills. Not only do they grind shell and bone, but are just the thing to crack wheat or corn for little chicks; grind charcoal to mix with soft feed; grind up dry bread crust, etc., making fine feed for the little chicks. Price, \$5.00. Our price, **ONLY \$4.50.**

NEST EGG GOULD SEED.—Produce hundreds of white gourds closely resembling eggs in size, color and shape. Price, per pkt. 5c; oz. 25c.

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, 0.60 on cars here.

TESTED THERMOMETERS.—Manufactured expressly for incubators. They 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.

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.

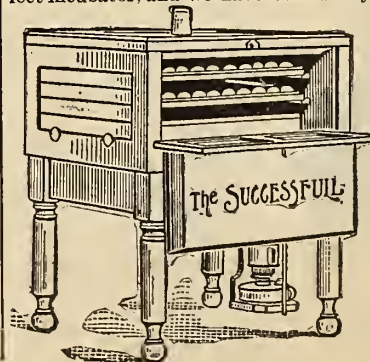
PERSIAN INSECT POWDER.—A splendid insecticide, but harmless to human beings. Ours is the best quality. Price, 1/4 lb., 25c; 1/2 lb. 40c; 1 lb., 75c. postpaid.

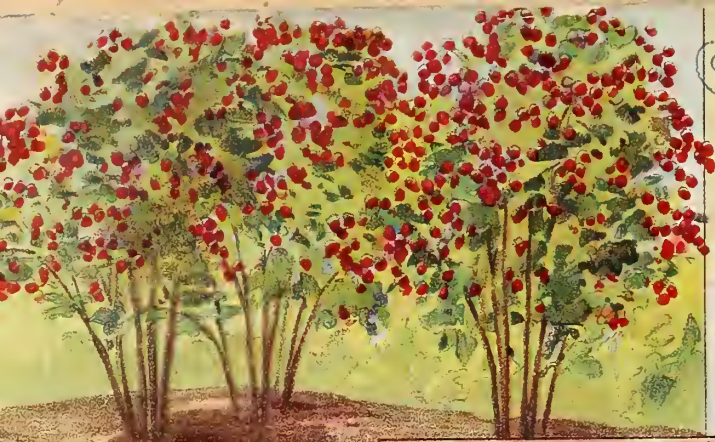
INSECT POWDER GUN.—Each 10c postpaid.

LAMBERT'S DEATH TO LICE.—A cheap and effectual remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Price, 25c per package of about 1 lb., or by mail for 40c.

INCUBATORS.

It is the most important thing with poultry breeders to have a perfect incubator, and we have been studying this subject carefully for five years and examine about a fifty different makes of incubators, many of which were positively worthless. We can most highly recommend the *Improved Monitor* which has been a standard for years, and the *Successful*. It will not pay you to buy a cheap machine as it is sure to prove expensive in the long run. Ask for descriptive circulars of these machines and tell us just what you want and perhaps we can help you in planning. Price of either the *Successful* or *Improved Monitor*, 1 egg capacity, \$25.00; 200 egg \$35.00. We will furnish you prices on other sizes on application.





The Marvelous and Beautiful
REDFIELD RASPBERRY.



THE BEST NEW
 VARIETY EVER INTRODUCED
 PRICE 50 CTS EACH \$4.00 FOR 10.

5 SPLENDID VEGETABLES

IOWA MASTODON MELON	Per Pkt.	25 cts.	THE 5 FOR 50CTS.
MARKET GARDENERS BEET	"	10 "	
PICTURE ROCK TOMATO	"	10 "	
ASTRO CUCUMBER	"	10 "	
NEW ZEALAND SPINACH	"	05 "	



ASTRO
 CUCUMBER



IOWA
 MASTODON
 MELON



NEW ZEALAND
 SPINACH