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28th Annual Catalogue

IOWA SEED CO

Des Moines, Iowa

Seedsmen to the American People

American People

Beautiful Wild Rose

The State Flower of Iowa

Plants 15¢ each. Seeds 10¢ per package.
TO OUR CUSTOMERS:

It is a pleasant task to talk with our patrons each year through the medium of this catalogue, although we would be much more pleased to take each of you by the hand with a personal greeting and thank you for your orders and kind words. Des Moines is a great place for conventions, and at such times we meet thousands of our customers from other towns each year. For more than a quarter of a century our purpose of business has been known as the Iowa Seed Store, being the largest as well as the oldest seed concern in the state. In every neighborhood in the state our seeds are well known and appreciated, and in the Indian Territory, and our highest ambition is to deserve the title which has been applied to us, namely, "SEEDSMEN TO THE AMERICAN PEOPLE."

OUR COLORS.

For several years we have illustrated the National-colors on the cover of our catalogue, and what is more appropriate for a firm which is called, "SEEDSMEN TO THE AMERICAN PEOPLE." We love and honor our flag as every true citizen should, and are trying to uphold the principles for which it stands. When we speak of American people we do not mean simply those born in the U. S., but everyone who considers this country his home. Many of our best customers are farmers and gardeners who came from foreign shores and have adopted this as their own country and our flag as their flag.

This business was established by S. L. Fuller, a veteran of the late war. He came from Ohio and began the seed business in 1857, 1868, the year of the great fire, more or less intimately connected with it until a short time before his death which occurred in 1894. He was a true lover of the soil, and a close observer of the land and its produce.

The early spring of 1876 Chas. N. Page was employed as a clerk and saved sufficient money to buy an interest in the business in December, 1876. In 1877 he became a partner, and changed the name to Iowa Seed Company as better fitting a business with partners of this kind. He has occupied the same position ever since thus making 25 years of active connection with the seed business.

M. Kurtzweil was brought up in Madison county, Iowa, his father being a well-known seed grower. In 1876 he began growing seeds for this company and continued each year until 1888 when he moved to Des Moines and became superintendent of our seed farm. In 1890 he sold his farm and bought an interest in the Iowa Seed Co., and in 1896 became president of the company after the seed crops and filling mail orders.

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 than we can after the opening 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 on orders until we have received cash or order for the goods.

SHIPPING.—There are five express companies and fifteen railroads connecting all the towns in the United States, so that quick shipments can be made to any town in the States.

CHARGES PREPAID.—All Vegetable and Flower Seeds, Bulbs and Plants, except those not 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 guarantee to be good and true to name.

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. Each year we put through thousands of dollars worth of 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 at prices. We 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 order for and we will fill all small orders promptly and correctly as we do large ones. Orders for Flower Plants and Nursery Stock, however, must amount to at least fifty cents.

NEWSPAPERS.—We offer a yearly subscription to either the Western Gardener of Des Moines, or Farm Journal, of Philadelphia, to anyone ordering seeds to the amount of $1.00 or more and asking for it in place of other premiums.

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

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 either name on our order, or we will send you seed which you may return to us and be fully satisfied. We also guarantee the quality of seeds we sell, and will procure seeds of a variety not grown in our own garden. We also guarantee that we shall send you the seed you order and not a substitute. We will give satisfaction or your money back.

DISCLAIMER.—We promise that this catalogue is correct in every respect as to the description of our seeds. If any errors or defects occur, we will repair them at once, and pay for them promptly and well. That goods ordered will reach you safely. Keep a copy of your order. Sometimes 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 you 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, it is very easy to see that it would be sheer folly for any one 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 their 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 back up a number of our best seeds that we hereby agree to refund any retail order for vegetable or flower seeds free of charge should they prove other than as described. We know of no seed firm in this 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 those who are unacquainted with us, this question will naturally arise, and in answer to the same we refer you by permission of the Des Moines Register to the following advertisement, which is given for the benefit of the people of Des Moines, to the post-office, or as any of the various express companies.

MARKET GARDENERS and others who buy VEGETABLE SEEDS IN BULK to the amount of $5.00 or more, are requested to send for our Market Gardeners' Price List, which is extended only for large buyers, and is exclusively for those who order vegetable seeds aloft by weight or measure amounting to $5.00 or over. Club orders when for this amount of bulk seeds aregetarate are entitled to these prices.

IOWA SEED CO.
VEGETABLE SEEDS.

In this department will be found only such varieties as have proved after years of trial the best adapted to the soil and climate of Iowa and the central states. Every kind is recommended to our customers. When the selection is left to us we will send such sorts as we know will do well in your locality. Our packets are, we believe, as well filled as any reliable seed dealer's in the United States, and, in fact, a comparison has shown that they contain more seed, on an average, than those of any other firm whose packets we have secured. We pay the postage at these prices, except on Beans, Peas and Corn by the peck or bushel.

ASPARAGUS.—Ger. Spongel.
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 hoisting. Ask for circular giving instructions for making an asparagus bed. Packets contain about 200 seeds.

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

PALMETTO.—Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Per pkt. 5c, 1 oz. 10c, 1 lb. 15c, 1 lb. 40c.

CONOVER'S COLOSSAL.—The standard variety. Per pkt. 5c, oz. 10c, 1 lb. 15c, 1 lb. 40c.

ASPARAGUS ROOTS.—See page 21.

BRUSSELS SPROUTS.
Ger. Sprenser-Kohl.
One ounce will produce about 3,000 plants.
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. Packets contain about 800 seeds.

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

ENGLISH.—For p. 5c, oz. 15c.

AMERICAN MAMMOTH BRUSSELS SPROUTS.

EXTRA CURLED MOSBACH.—The most beautiful Kale grown. Leaves are so finely crimped and curled, and of such a nice light green color that it answers admirably for garnishing. Best quality when cooked. Per pkt. 5c, oz. 15c, 1 lb. 40c, 1 lb. 75c.

DWARF GERMAN GREEN.—Popular for winter greens. Pkt. 5c, oz. 10c, 1 lb. 20c, 1 lb. 75c.

EXTRA CURLED MOSBACH KALE.

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, and do not hill up or hoe when wet. A sandy loam is the best. The half pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Price includes postage. See special prices by the peck and bushel on page 50. Packets contain about two ounces.

STRINGLESS GREEN POD BUSH—The only stringless green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long, green pods are absolutely stringless, and when we add that the pods are ready to market two weeks earlier than the best stock of improved early Red Valentines, we are sure that Stringless Green Pod will supply a long felt want. It must prove of immense value not only to the market gardener who wants to make more money, but also to the amateur who seeks a rare quality early for the home table. Per pkt. 5c, 1/2 pt. 30c, 1 qt. 60c.

WARDWELL'S DWARF KIDNEY WAX—Earlier, more productive than Golden Wax; rust proof, vigorous, pods large, showy, tender, and stringless; excellent flavor and good for either green or marrow shell. Per pkt. 5c, 1/2 pt. 15c, 1 qt. 40c.

CURRIE'S RUST-PROOF WAX—Crisp and tender and of delicious flavor. As early as the Golden Wax, amazingly productive. Per pkt. 5c, 1/2 pt. 15c, 1 qt. 40c.

BLACK WAX—Popular with market gardeners. Per pkt. 5c, 1/2 pt. 15c, 1 qt. 40c.

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. Enormously productive. Per pkt. 5c, 1/2 pt. 15c, 1 qt. 40c.

IMPROVED EARLY VALENTINE—About ten days earlier than the common Early Valentine. More robust and vigorous. Per pkt. 5c, 1/2 pt. 15c, 1 qt. 40c.

BURPEES' NEW STRINGLESS GREEN POOD
POLE BEANS.

One quart will plant 100 to 150 hills.

These succeed best on clay loams, which should be liberally enriched with short green 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.

OLD HOMESTEAD—This is an improvement on the Kentucky Wonder, and we regard it as far ahead of any other green-podded pole variety, and the best, as well as the earliest sort, being fit for the table August lst. It is enormously productive, the pods hanging in great clusters from top to bottom of pole. It is entirely stringless, and the pods are of a silvery green color, and cook tender and melting. Pods are often twelve inches in length, and instead of picking them into a basket. It is customary to pile them up on one arm like lima beans when gathering a mess for family use. The dry beans are long, oval, duncolored and of fair quality as a shelled bean. Can be grown with corn to good advantage, and thus secure two crops from the same ground. Per pkt. 5c, 15c, 50c.

MAMMOTH HORTICULTURAL—An improvement on the old Horticultural Pole. The beans are of enormous size, splashed and spotted with red, and of the highest quality as a shell bean either green or dry. It originated at Worchester, Mass., where it has been grown for several years by one of the leading market gardeners, and he has always been able to command from 25 to 50 cents a pound for bushels more than others for their beans, as his were always of such bright carmine color, and would keep longer after being picked. Pods very large, bright brown, slightly streaked, very handsome and exceedingly productive. It is somewhat earlier than the parent variety, shows no rust, and is considered by some eastern gardeners the best pole bean in the world.

Per pkt. 5c, 15c, 50c.

KING OF THE GARDEN LIMA.—An improvement on the Large White 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 large beans. Per pkt. 5c, 15c, 50c.

SCARLET RUNNER—A favorite snap bean in Europe, valuable for table use, or as an ornamental vine. Per pkt. 5c, 15c, 50c, 75c.

CUT SHORTS—The old-fashioned corn-field bean which is so popular and often so difficult to obtain. Per pkt. 5c, 15c, 50c, 75c.

WHITE DUTCH CASE KNIFE—Good green-podded variety. Pkt. 5c, 15c, 50c, 75c.

LAZY WIFE'S—The very best late green-podded pole bean. The pods are of a medium dark-green color, broad, thick, very dry, and entirely stringless. The pods retain their rich tender and delicious quality the longest, and late in the season, and are unsurpassed for snap shorts. Each pod contains from six to eight round, white beans, which make excellent winter shell beans. Per pkt. 5c, 15c, 50c, 75c.

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

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 this to six inches in drills. If the young plants make excellent growth, the seed will germinate more freely if soaked in warm water twenty-four hours before sowing. Do not be afraid to plant soaked seed in very dry ground. The soil should be deep, rich, and loamy.

NOWA SEED CO'S MARKET GARDENER'S BEET.—Undoubtedly one of the best novelties ever offered by CROSBY'S, and one of the most popular with 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 Gardener, still within the same 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 keeping beet for winter.

CROSBY'S IMPROVED EGYPTIAN.—With due honor to this as the earlier variety, its existence was anticipated 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. grown and popular lb. Dignity. Per pkt. 5c, oz. 10c, § lb. 25c, lb. 75c.

EXTRA EASY ECLIPSE.—Of rapid growth, small top, and extra fine-quality. Roots smooth, round, intense red color and flesh. Pkt. 5c, oz. 10c, § lb. 25c, lb. 50c.

EGYPTIAN TURNIP.—Very deep red. Pkt. 5c, oz. 10c, § lb. 20c, lb. 50c.

DEWEY'S IMPROVED BLOOD TURNIP.—An improvement on the Early Blood Turnip. Globe-shaped, small tap root. It is of perfect shape when small, thus making a good beet for bunching, and is very popular with the Des Moines market gardeners for this purpose. Per pkt. 5c, oz. 10c, § lb. 25c, lb. 75c.

BASTIAN'S EXTRA EARLY RED.—Per pkt. 5c, oz. 10c, § lb. 20c, lb. 50c.

BLACK QUEEN.—See Novelties. Per pkt. 10c.

SWISS CHARD.—For greens only. Pkt. 5c, oz. 10c, § lb. 25c, lb. 75c.

EXTRA LONG DARK BLOOD.—Standard winter. smooth, tender and sweet. Per pkt. 5c, oz. 10c, § lb. 20c, lb. 50c.

MANGELS AND SUGAR BEETS.

Extensively grown in all parts of the country for feeding stock. Sowed 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, over 2,000 bushels have been grown to this amount of ground. 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. Use 5 lbs. seed to an acre. Full direction for culture, and storing mangels, will be sent on application.

GOLDEN TANKARD.—Best for dairy farming. Considered indispensible among English dairy farmers. They are able to obtain a higher price for milk when feeding cows on Golden Tankard. Sheep thrive on it. Other mangels cut white, crimson 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, § lb. 20c, lb. 50c. By express, not prepaid, 5 lbs. $1.50.

CHAMPION YELLOW GLOBE.—Finest type of Yellow Globe in cultivation. Roots immense size, fine shape, small tap root, neat flesh being very tender and fine-grained, renders it an excel-lent keeping variety. Well adapted to shallow soils. Per pkt. 5c, oz. 10c, § lb. 20c, lb. 48c. By express, 5 lbs. $1.50.

RED GLOBE.—Like the above except color. Per pkt. 5c, oz. 10c, § lb. 20c, lb. 48c. By express, 5 lbs. $1.15.

MAMMOTH GLOBE.—Best for sugar beets. Grows to a very large size, weighing from 30 to 50 lbs., and will yield 100 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, § lb. 20c, lb. 48c. By express, not prepaid, 5 lbs. $1.25.

WYLMORIN’S IMPROVED SUGAR.—Yields the largest percentage of sugar. Best of the French sugar beets. Per pkt. 5c, oz. 10c, § lb. 20c, lb. 50c.

DIAMOND SUGAR.—Grown in Germany from beets which yielded 3 tons to 20 per acre. Best of German varieties. Per pkt. 5c, oz. 10c, § lb. 20c, lb. 50c.

LANE’S IMPERIAL SUGAR.—For feeding stock. Per pkt. 5c, oz. 10c, § lb. 20c, lb. 48c. By express, 5 lbs. $1.00.

Collection of Mangels. One ounce each of the above six varieties for 30c, § lb. each for 80c, 1 lb. of each for $2.50, postpaid, or $1.75 by express.

SUGAR BEETS.
CABBAGE.

One ounce of seed will produce about 2,000 plants. Set 5,000 to 10,000 plants to the acre of the early sorts and 6,000 of the later kinds.

We pride ourselves on having the best, purest and highest grade of cabbage seed that can be obtained, 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.

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 should be planted 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. Packets contain about 80 seeds.

NEW WASHINGTON WAKEFIELD.—See description with novelties. Per pkt. 5c, oz. 20c, 1/2 lb. 50c, lb. $1.25.

DANISH BALLHEAD.—See novelties. Per pkt. 5c, oz. 25c, 1/2 lb. 90c, lb. $2.50.

EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best early variety. It is of large size for so early a kind, and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is the highest quality—American grown. Per pkt. 5c, oz. 25c, 1/2 lb. 90c, lb. $1.75.

EXTRA EARLY EXPRESS.—Exceeds in earliness all other sorts: has the shape and appearance of Blumpee, but is smaller and eight to ten days earlier; has few outside leaves and therefore may be planted very close and yield large crops. Per pkt. 5c, oz. 25c, 1/2 lb. 90c, lb. $1.50.

ALL SEASONS.—(Vandergaw.)—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 great popularity. Our seed is the purest: it is called "All Seasons" because it is a very superior variety to plant late as well as early. It has a decided merit of the thickness of the head making it a capital sort to keep through the winter. Per pkt. 5c, oz. 25c, 1/2 lb. 90c, lb. $1.75.

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 header. Per pkt. 5c, oz. 25c, 1/2 lb. 90c, lb. $1.10.

Our Catalogue and Garden Guide gives detailed instructions for growing these and other varieties of vegetables, as well as advice on when to plant, how to grow, and how to harvest them. It is a valuable guide for every gardener and available at our office. Orders for seed should be placed early, as the demand for it is very large. We cannot guarantee delivery of seed after May 1st.

We have been in the seed business for over 50 years and have a wealth of experience to share with our customers. We are always happy to provide advice and assistance to those interested in growing vegetables. Please feel free to contact us with any questions or concerns you may have.

IOWA SEED CO.'S SHORTSTEM DRUMHEAD CABBAGE.

BURPEE'S ALL-HEAD EARLY.—At least a week earlier than any of the various strains of early summer cabbage, and fully one-third larger, of perfect shape and the most solid variety on the list. Market carriage perfect to perfection. Our furnished seed of this has been 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. Per pkt. 5c, oz. 20c, 1/2 lb. 90c, lb. $2.00.

CHASES EXCELSIOR—Medium early and not excelled for sure solid heading, which is the highest recommendation for a cabbage which must mature in the trying heat of summer. Another remarkable feature is that it never cracks. Very popular with our Southwestern customers. Per pkt. 5c, oz. 25c, 1/2 lb. 60c, lb. $1.75.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, color and weight, the result of careful and intelligent selection. It has proven very valuable. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Solid and good a keeper as any red cabbage. Color very dark red. Per pkt. 5c, oz. 20c, 1/2 lb. 60c, lb. $2.00.

MARBLEHEAD MAMMOTH—Largest of all, have in some instances grown to a weight of 90 pounds, and the heads of such size that they would not go into a two-bushel basket. 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 unceremonious for a table. Per pkt. 5c, oz. 20c, 1/2 lb. 60c, lb. $2.00.

CABBAGE PLANTS.—See list of Vegetable Plants.

NEW SHORT STEM DRUMHEAD CABBAGE.

EARLY JERSEY WAKEFIELD.
PERFECTION DRUMHEAD SAVOY.

**CHICORY.**—Ger. Chicorée.
One ounce will sow about 15,000 seeds.

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivate as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. It is now being extensively grown in some parts of Iowa and Nebraska for commerce. Pkt S. oz. 10c, 1/2 lb. 30c.

**CORN SALAD.**—Ger. Lammersalat.
One ounce will sow about 20 square feet. A mild winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Per pkt. 5c, oz. 16c, 1/2 lb. 30c.

**CARROTS.**
One ounce will sow 200 feet of drill; 80 to 100 pounds for one acre.

This is an indispensable root for the farm and is deserving of more general cultivation. Well managed, there is no crop that 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. 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 apart 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 80 to 100 bushels per acre. Our seed is saved from carefully selected stocks and is sure to please you. Packets contain about 1,000 seeds.

**EARLY SCARLET HORN.**—Favorite for early crop, but not large. Sold largely in New York markets bunched. Per pkt. 5c, oz. 10c, 1/2 lb. 30c, 1 lb. 65c.

**LARGE WHITE YOSER.**—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, 1/2 lb. 30c, 1 lb. 65c. By express, 5 lbs. or more, 50c per lb.

**IMPROVED LONG ORANGE.**—Standard sort for field culture and desirable for table use; roots large and of good quality. Per pkt. 5c, oz. 10c, 1/2 lb. 30c, 1 lb. 65c. By express, five pounds or more, at 40c per pound.

**HALF-LONG CORELESS, or CARENTON.**—Excellent flavor for table use. Pkt. 5c, oz. 10c, 1/2 lb. 30c, 1 lb. 65c.

**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 as ordinary varieties; grows well out of ground, early harvested. Per pkt. 5c, oz. 10c, 1/2 lb. 30c, 1 lb. 65c. By express, five pounds or more, 50c per pound.Stock breeders should try it.
NEW PINK AROMATIC CELERY.

HENDERSON'S HALF DWARF.—Per pkt. 5c, oz. 10c, $1.15, 10c, lb. $4.25.

GOLDEN DWARF.—Best of the varieties which need blanching. When blanched the heart is of a rich golden color, excellent flavor, and goodkeeper. Per pkt. 5c, oz. 10c, $1 lb. 30c, lb. $1.35.

BOSTON MARKET.—Per pkt. 5c, oz. 10c, $1 lb. 30c, lb. $1.75.

DWARF CRIMSON.—Per pkt. 5c, oz. 25c, $1 lb. 75c, lb. $2.50.

KALAMAZOO.—Per pkt. 5c, oz. 50c, $1 lb. 60c, lb. $3.00.

OLD CELERY SEED.—For flavoring. Per oz. 5c, 1 lb. 10c, 1 lb. 85c.

CELERY PLANTS.—See list of Vegetable Plants.

CELERY.

One ounce will produce about 5,000 plants.

This we consider one of the luxuries of the garden. No one who has once used it will be without it, and it is so usualy expensive in the market, that the following equally attractive 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 seeds 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 banding it up close 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 is of most attractive pink and white color. Crisp and tender; fine aromatic, nutty flavor; the very best celery on the list for winter, blanches easily. Don't fail to try $1.00 lb.

GOLDEN SELF-BLANCHING.—Of a very handsome form and even growth, reaching a very large size. It is entirely self-blanching. It is unequalled in its keeping appearance on the table, and decidedly the best keeper of all the self-blanching varieties. Per pkt. 5c, oz. 25c, $1 lb. 75c, lb. $2.25.

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 have 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, $1 lb. 60c, lb. $1.75.

GIANT PASCAL.—A remarkable novelty in celery. Stalks remarkably large, thick, solid, entirely stringless, 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. Per pkt. 5c, oz. 25c, $1 lb. 60c, lb. $1.75.

CELERIAC.

OR TURNIP-ROOTED CELERY.

Grown exclusively for its roots, which are turnip-shaped, very smooth, tender and narrow-like. The roots are cooked and used like celery. Usually they make an excellent salad, also used for seasoning and flavoring soups. Per pkt. 5c, oz. 10c, $1 lb. 20c, lb. $2.75.

CELERIAC PLANTS.—See list Vegetable Plants.
SWEET CORN.

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

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

EASTERN GROWER.—The best early variety. See description with novelty.

Per pkt. 5c, 1/2 pt. 10c, qt. 25c.

EXTRA EARLY CORY.—This has for years been the most popular variety with market gardeners for early market and until the introduction of the Early Sun. Sunrise it was grown more largely than any other early variety by Des Moines gardeners. It is of dwarf growth, and yields well. Ears of medium size, grow 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. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special care. An average size is about nine inches long; it has a medium size cob, and large, pearly white kernels, very sweet, tender and full of milk. No market gardener can afford to be without it, and every family gardener should contain at least a few hills. Per pkt. 5c, 1/2 pt. 15c, qt. 35c.

CHAMPION EARLY.—Without doubt the earliest large corn ever introduced, being only a few days later than Cory, with ears nearly as large as the Mammoth. Ears to be 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. To help you realize these figures, get the largest ear of field corn you can find and compare measurements. This was grown with special care. An average size is about nine inches long; it has a medium size cob, and large, pearly white kernels, very sweet, tender and full of milk. No market gardener can afford to be without it, and every family gardener should contain at least a few hills. Per pkt. 5c, 1/2 pt. 15c, qt. 35c.

EGYPTIAN SWEET.—Very prolific, and one of the best late sweet corns in cultivation. Per pkt. 5c, 1/2 pt. 15c, qt.

STOWELL’S EVERGREEN.—This is much larger planted than any other variety, being the general favorite with canners and market gardeners for late use. It is very productive, the ears are of large size, grains deep, exceptionally tender and sugary, and remain for a long time in an edible condition. Per pkt. 5c, 1/2 pt. 15c, qt.

BLACK MEXICAN.—This is a black-grained variety; one of the sweetest of all kinds. Per pkt. 5c, 1/2 pt. 15c, qt.

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, 1/2 pt. 15c, qt.

NEW ZILOG AG EVERGREEN.—Exceeds the Stowell’s Evergreen in all important points. It is sweeter; more productive; yields two to four ears to a stalk, and it remains fit for use longer. Private planters and market gardeners who tried this corn will use no other late variety. Per pkt. 5c, 1/2 pt. 15c, qt.

EVERGREEN PODDER.—Makes a profitable crop for dairymen. Per qt. 25c.

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 for home use.

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. 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 cob is a rich yellow, very white, and each kernel is beautifully striped with bright crimson. Our illustration does not do it justice. The ears are good size and long, well filled out; kernels are long and pointed, resembling rice. Early, very productive, and extremely tender when popped, bursts out very large, white as snow and of finest quality. All should try it. Per pkt. 5c, 1/2 pt. 15c, qt. 35c.

MINIATURE.—A regular little beauty. Attractive on account of its small size and handsome, perfectly shaped ears which are only two to three inches long, with very deep, pearly white kernels which pop out to immense size and are particularly tender and of fine quality. Stalks usually produce from three to eight ears. Per pkt. 5c, 1/2 pt. 15c, qt. 50c.

NEW DYE POP CORN.—A new variety of unusual merit, producing ten or 12 good sized ears to each stalk. It has a most curious appearance when growing and will attract attention any where. The kernel is so flint as most other sorts and posses cut large and white without the disagreeable hard place which is often so objectionable. The name is given to the larage amount of coloring matter contained in the husks which can be used for dying cloth or making towels. These husks are of a dark wine red color as are the ears of corn, while the kernels are white. Per pkt. 5c, 1/2 pt. 15c, qt. 35c.

QUEEN’S GOLDEN.—Color a peculiar lustrous golden yellow; when popped, of a rich cream color, very prolific. Per pkt. 5c, 1/2 pt. 15c, qt. 40c.

MAPLEDROSE PEARL.—The most productive pop corn, averaging nine ears to the stalk, as many as 15 ears having been taken from one stalk. Ears uniformly large. Pods to large size and very tender. Per pkt. 5c, 1/2 pt. 15c, qt. 40c.

MONARCH WHITE RICE.—The best white variety grown. It bears from three to six ears per stalk, weighs 30 pounds per bushel of ears when dry, and produces 1,500 to 2,000 pounds per acre. It will pay you to try it. Per pkt. 5c, 1/2 pt. 15c, qt. 40c.

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 early crops, 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 picking, plant in June. Sprinkle the vines with plaster or sulphur-lime dust to protect from the bugs, or use Slug Shot to kill the bugs.

NEW ASTRO.—A rare novelty, sure to excite the curiosity of your neighbors. With common cut-door culture it will grow fifteen to eighteen inches in length, with very few seeds. Excellent for slicing. Flesh white and crisp. More fully described with novelties. Per pkt. 10c, 4 oz. 50c.

WESTFIELD'S IMPROVED CHICAGO PICKLE.—Mr. Westfield, 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 pickling. Consequently his strain is now considered by all growers that it may be described as the sensational novelty of Europe. This 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, dark green foliage, and throw out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. It climbs so tightly that it is not prostrated by heavy storms of wind or rain. It comes into bearing quickly and continues to set fruit 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, tender, of delicate flavor, cylindrical shape, flesh pure white, skin dark green, turning to brown and united when ripe; of excellent quality for slicing. They made a grand crop on our place last year. Per pkt. 5c, oz. 10c, 4 lb. 50c, 60c.

EARLY CLUSTER.—Grows in clusters. Productive and of good quality. Per pkt. 5c, oz. 10c, 4 lb, 50c, 60c.

EARLY FRAME, OR SHORT GREEN.—Per pkt. 5c, oz. 10c, 4 lb, 50c, 60c.

GREEN PROLIFIC.—Spindly picking sort. Very productive. Per pkt. 5c, oz. 10c, 4 lb, 20c, 50c.

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

WHITE PEARL.—Bears freely throughout the season, and the cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and entirely free from spines. Its color they are a beautiful pearly white; even the young fruits are of a very light color, nearly as pure a white as when ready for use. Per pkt. 5c, oz. 10c, 4 lb, 30c, 50c.

CHICAGO PICKLE.—Very productive and keeps longer solid and crisp than any other variety. Our fields have the best of other varieties. Per pkt. 5c, oz. 10c, 4 lb, 50c, 60c.

YOUNG WHITES.—Bears freely throughout the season, and the cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and entirely free from spines. Its color they are a beautiful pearly white; even the young fruits are of a very light color, nearly as pure a white as when ready for use. Per pkt. 5c, oz. 10c, 4 lb, 50c, 60c.

JAPANESE CLIMBING.—This variety, from Japan, has been improved by Mr. Westfield, and is of the best quality. It is a large, thick, tender cucumber, and is excellent for pickling. Per pkt. 5c, oz. 10c, 4 lb, 50c.

BOSTON, OR JERSEY PICKLE.—Is seed almost exclusively by the market gardeners near Boston for pickling. Per pkt. 5c, oz. 10c, 4 lb, 20c, 30c, 50c.

NICHOL'S MEDIUM GREEN.—Fruit medium length, nearly cylindrical, very uniform in shape, and of good color when young. Per pkt. 5c, oz. 10c, 4 lb, 20c, 30c.

SUCCESS.—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, the quality is only fair. Grown chiefly as a curiosity, and for exhibition. Pkts. only, 10c each.

IMPROVED LONG GREEN.—Old standard sort; crisp, tender and of good flavor. Pkts. 5c, oz. 10c, 4 lb, 20c, 30c.

SEED CATALOGUE AND GARDEN GUIDE.
EGG PLANT.—Ger. Eggplant. One ounce will produce about 1,000 plants.

A tender plant, it should be started quite early in a hotbed or box in the house, which must be kept warm. Later in the spring transplant to ground 2 ft. apart each way. It requires a rich soil. As soon as the weather becomes warm they will quickly grow and are easily grown. They are a delicacy of which all should grow.

BROCCOLI.—Ger. Broccoli. One ounce will produce about 3,000 plants. Growth and habit like the Cauliflower, except that it is much harder, and the heads are not as compact. Cultivate the same as Cauliflower.

EARLY PURPLE CAPE.—A popular sort, heads well and is very hardy. Pkt. 3c, oz. 30c.

EARLY LARGE WHITE.—Pkt. 5c, oz. 25c.

OKRA, OR GUMBO.—Ger. Eschscholz Hibiscus. One ounce will sow about 200 feet of drill. Why not try Okra this year? It is extra nice for soups, stews, etc., and much liked for pickling. Sow at the usual time of tender vegetables, in drills two inches deep, leaving the plants from two to three inches apart.

DWARF WHITE VELVET.—Picks round, smooth and of an attractive white velvety appearance, extremely tender and of a superior flavor. Plants are smaller, and keep pods an abundance. Pkt. 5c, oz. 15c. 1/2 lb. 35c, lb. $1.00.

CHERVIL.—Ger. Gartenkebel. One ounce will sow 100 feet of drill. Curled. Leaves used in soups and salads. Cultivate like parsley. Per pkt. 5c, oz. 25c.

IMPROVED N. Y. EGG PLANT.

EARLY LONG PURPLE.—Hardy and productive; six to eight inches long. Per pkt. 5c, oz. 25c, lb. 90c, lb. $2.50.

IMPROVED NEW YORK.—Our strain of this leading market variety is before everything unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. See cut. Per pkt. 5c, oz. 25c, lb. 15c, 1/2 lb. 25c. $1.00.

PEARL WHITE.—Pure creamy white, with slight shading of light green near the stem. Every fine grain, well flavored and makes one of the most palatable dishes either baked or fried. Per pkt. 5c, oz. 25c, lb. 25c.

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 seven or eight inches long tie them together with string near the top to blanch. This must be done when quite dry. Before cold weather, take in for winter, being careful to leave a small amount of dirt around the roots.

ARTICLE CURED.—Pkt. 5c, oz. 15c, lb. 50c.

ARTICHOKE.—Ger. Artichoke. 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.—Pkt. 5c, oz. 25c. ARTICHOKE ROOTS.—See Field Seeds.

VINE PEACH.

A splendid novelty which was introduced by us. The vine on which they are borne is somewhat similar to the muscadine vine, and requires the same culture. The fruit is about the size of a large peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies or preserving they are superb. Receipts for preparing them for the table will be sent with each order. In the west and southeast, 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 peaches except that they are not usually liked raw. Per pkt. 5c, oz. 15c, lb. 50c.

HERBS.

In making up your assortment of seeds for the year do not neglect to order a few varieties of herbs. They should have a place in every vegetable garden, and in every vinegar drawer. Pick one soft part, and when you thin out and transplant to a few inches apart. The chief point is to have a bed planted properly so that work may be done on a dry day when not quite in full bloom but dried quickly and polished closely, and entirely excluded from the air.

All five cents per packet.

Anise.—Oz. 10c. Balm.—Oz. 30c. Chervil.—Oz. 10c. Caraway.—Oz. 5c. Coriander.—Oz. 10c. Cress.—Oz. 10c. Dandelia.—Oz. 10c. Fenel.—Oz. 10c. Hyssop.—Oz. 25c. Lavendar.—Oz. 25c. Mint.—Oz. 25c. Oregano.—Oz. 25c. Rue.—Oz. 30c. Salvia.—Oz. 10c. Sage.—Oz. 10c. Thyme.—Oz. 10c. Tansy.—Oz. 10c. Turnip.—Oz. 5c. 1/2 oz. 25c. 1 lb. 75c.

IMPROVED YELLOW GROUND CHERRY.

GROUND CHERRY.

IMPROVED YELLOW.—Another year adds only to the popularity of this already popular little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry. They grow well on almost any dry soil; are easier raised than the tomato, and are prolific bearers, and oh! such insusceptible fruit! For sauce they are excellent, and for pies nothing can equal them for taste and flavor. They are delicious as preserves, and when dried in sugar are much better than raisins for candies and puddings, and they will keep, in the shuck, if put in a cool place, 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, 1/2 oz. 25c, oz. 40c.

PURPLE HUSS 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 enclosed in a husk similar to the yellow Ground Cherry. Per pkt. 5c, 1/2 oz. 35c, oz. 45c.

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

COLLECTION.—One packet each of the three Ground Cherry’s for only 15c.

LEEK.—Ger. Lauch. One ounce will sow 200 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 keep from being choked out.

LARGE ROUEN.—Largest and most uniform of all. Per pkt. 5c, oz. 15c. 1lb. 50c.

GARDEN LEMON.

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, and when ripe is flat russeted like the Vine Peach. Fruit is of the shape shown in our engraving, is somewhat smaller than the Vine Peach, has thinner flesh, and is decidedly more acid, thus dispensing with the sliced lemons which are so important in putting up the Vine Peach. Directions for cooking with each packet. Per pkt. 5c, oz. 15c, lb. 50c.
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 unvitiated. 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-bed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand 10 to 12 inches apart in the rows.

**PRIZE HEAD.**—Very tender leaves of dark reddish brown color, variegated with dark green. Heads large and of good flavor. Pkt. 5c, oz. 10c, $1.00.

**NEW ICEBERG LETTUCE.**

There is no handsomer or more solid cabbage lettuce in cultivation—in fact, it is strikingly beautiful. The large, curly leaves that cover the outside of the soil heads are of a bright, light green, with a very slight reddish tinge at the edges. They are usually covered with dewdrops and have a peculiarly crystalline appearance. The center is thoroughly blanched. Whether in early spring or the hottest days in summer, the quality is simply perfect. Surprisingly fine for the home garden and equally valuable for market. Per pkt. $5, oz. 10c, lb. 30c.

**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, cellulously 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. 10c, lb. 30c, $1.30.

**TOMHANNOCK.**—Forms a beautiful plant, 19 to 12 inches high by 9 to 10 inches across. The heads grow upright, the upper part of the outer leaves curl 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. 10c, lb. 30c, $1.30.

**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. 10c, lb. 40c, $1.00.

**GREEN FRINGED.**—Edges beautifully cut and fringed. A good selling variety. Per pkt. 5c, oz. 10c, lb. 40c.

**MIGNONETTE.**—See Novelties. Pkt. 10c.

**OAK LEAVED.**—Has oaken-shaped leaves, the broader part set to stem and pointed at the tip, thus giving a very unique, handsome and attractive appearance. Per pkt. 5c, oz. 10c, lb. 40c.

**DWARF WHITE HEART COS.**—This is decidedly the best of the Old Celery Lettuces, the earliest and longest standing. Of attractive green color, self-blanching the inner leaves without tying up. Quality of heart much superior to any ordinary variety of lettuce. Per pkt. 5c, oz. 25c.

**OLD LETTUCE SEED.**—For birds. Per lb. 40c.
Musk Melon.

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

The soil should be adapted to the culture of melons; a sandy, loamy soil, rich in the hills lying on the west side of a hill, or at the foot of a hill. When planted, the plants appear above ground, and are kept up three weeks to a month. The vines interfere too much. You will be pleased with our melon seeds.

IOWA MASTODON—See Novelties. Per pkt. 5c, oz. 25c, 3 lb. 60c, lb. $2.00.

MOCCOTTER'S PRIDE—See Novelties. Per pkt. 5c, oz. 25c, 3 lb. 60c, lb. $2.00.

GRAND RAPIDS—The main character of this melon is its extreme earliness. Grand Rapids is well known on account of its progressive market gardens, and in that way to the Grand Rapids melon has been on the market two or three years earlier than any other strain, and sold readily at $2.50 per dozen to hotels and fancy grocers, while melons planted in the south were practically unsalable. The flesh is pure yellow, clean, to the rind; skin finely netted. To attain the best results, and to show its remarkable earliness and productivity, we would advise our customers to pinch off the runners, while it has no tendency to run more than other varieties, at the same time by the growth into fruit, it makes the fruit of larger size and earlier. Per pkt. 5c, oz. 10c, 5 lb. 30c, lb. 60c.

PERFECTED DELMONICO—This improved type of the Delmonico melon is almost a perfect globe in shape, the skin and flesh are of yellow green until ripe, when it changes to a bright yellow. The melons average six inches in diameter, have a very small seed cavity and are exceedingly thick and heavy for their size. The flesh is a deep rich, orange yellow color, of very fine grain and uniformly high quality. It is a strong, hardy grower and very prolific. We can recommend it either to the market gardener or amateur. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 60c.

BANQUET—The flesh is dark, rich salmon colored, uniformly thick and of that granulated character which always indicates a good melon. Of round shape, densely netted over its entire surface very handsome. Per pkt. 5c, oz. 10c, 5 lb. 30c, lb. 60c.

MONTREAL MARKET—Uniformly of large size, averaging from one pound to weight. Flesh very thick and fine flavor. Per pkt. 5c, oz. 10c, 5 lb. 30c, lb. 60c.

I. S. CO.’S IMPROVED GREEN NUTMEG—Everybody is delighted with our improved strain of this most excellent old kind. For many years we have been constantly selecting and improving the old Green Nutmeg melon, until now it is one of the best melons in existence, and 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. Per pkt. 5c, oz. 10c, 5 lb. 30c, lb. 60c.

IMPROVED EARLY HACKENSACK—Of large size, rich flavor, and withal is a great improvement on the Turk’s Cap or Hackensack, for it is that it is fully ten days earlier. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 60c.

OSAGE—The skin is thin, of dark green color, and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick, and delicious to the rind. The seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. All lovers of fine melons should try the Osage. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 60c.

PERFECTION, or PRINCESS—This splendid variety is nearly round, with heavily netted, dark green skin; the flesh is of a dark salmon color, and in flavor it is rich and luscious beyond description. They ripen early and grow to good size, often weigh 8 to 10 lbs. each. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 60c.

BAY VIEW—One of the most prolific, finest melons in cultivation. It has been grown to weight 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, 1 lb. 30c, lb. 60c.

CHAMPION MARKET—A superb variety. 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. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 60c.

BANANA—Attains a length of from eighteen inches to three feet three inches, and is from two to four inches thick. Flesh very thick, of a salmon color, it looks almost like an overgrown banana, and single like one, hence the name. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 75c.

WINTER PINEAPPLE—Entirely distinct from any other variety. They have thick flesh with but a small seed cavity, almost solid. When ripe the outside skin is of rich yellow, intermingled with light green color, spicy, melting and delicious. They do not ripen on the vines like other musk melons, 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. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 80c.

IMPROVED CANTALOUPE—Flesh of a light yellow color and delicious in flavor. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 60c.

EMERALD GEM—This is one of the most delicious little melons we have ever eaten. The flesh is thick of a suffused salmon color, almost red, and ripens thoroughly to the extremely thin, green rind. It is peculiarly crystalline in appearance, juicy and rich. The flavor is sweet and luscious beyond description. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 80c.

MIXED MUSK MELONS—All of the above and a few other kinds grown separately and the seed mixed together. An ounce of this will make you a nice melon patch, and produce melons throughout the season. Per pkt. 5c, oz. 10c, 1 lb. 30c, lb. 80c.
WATERMELON.

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

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

ORANGE—See Novelties. Per pkt. 5c, oz. 10c, pkg 30c, lb. $1.50.

COLE'S EARLY—Decidedly the finest early variety for the private garden. It is very early and will mature further north than most other sorts. Of medium size, very productive continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is incredibly sweet and refreshing. Per pkt. 5c, oz. 10c, lb. 40c.

PEPPER S or ICE CREAM—(White seeded.) Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. Per pkt. 5c, oz. 10c, pkg 30c, lb. 50c.

FORDHOOK EARLY—Was proved to be the largest early variety on the list. From seeds planted May fifteenth, ripe melons were produced the last of July. The rind is tough, and the melon is not very productive. Valuable for shipping. Color a uniform medium green; flesh red and very sweet. Per pkt. 5c, oz. 10c, pkg 30c, lb. 50c.

WHITE GEM—Very productive. The melons are round, of good average size for family use, weighing 15 to 30 pounds each, and of a beautiful cream white color when ripe. The flesh is a rich bright pink, crisp, melting, juicy and sweet in flavor. Per pkt. 5c, oz. 10c, pkg 30c, lb. 50c.

GYPSYS or GEORGIA RATTLESNAKE—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, pkg 30c, lb. 50c.

FANCY KOLE'S GEM—Grown by one of the best watermelon growers in the U.S. from carefully selected pure stock, and the seed is taken from melons weighing not less than 40 lbs. 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 any unselected seed to the grower who wants to get the best results. Pkt. 5c., oz. 10c, pkg 30c, lb. $1.00.

DIXIE—Very popular with melon growers in some sections, is a cross between Kolb's Gem and Mountain Sweet, surpassing the former in shipping qualities and fully equaling the latter in fine eating quality and flavor. It is from a 10days earlier than either, has a remarkably tough rind, and will keep and ship well. Each vine makes 7 to 8 large melons. The flesh is bright scarlet of the quality almost down to the skin. Per pkt. 5c. oz. 10c, pkg 30c, lb. 50c.

KOLE'S GEM.—This variety, on account of its excellent shipping qualities, is largely grown for shipping purposes. They grow nearly round, and the color is a dark green with many stripes of lighter shade. The rind, though quite thin is very tough. Flesh bright red and of good flavor. Per pkt. 5c. oz. 10c, pkg 30c, lb. 50c.

PRIDE OF GEORGIA—Very popular with Des Moines growers. It is of a dark green mottled color, nearly oval. Rind like an orange; grows partly upon its end, is firm when picked, attains a large size, and is very sweet and crisp. Per pkt. 5c. oz. 10c, pkg 30c, lb. 50c.

OEMLER'S TRIUMPH—Flesh dark red, mottled with yellow, very early; excellent flavor. Seeds very small. Per pkt. 5c. oz. 25c.

GREEN AND GOLD—Very large size, slightly oval, dark green. Flesh as yellow as gold, sweet, rich, and of equalled flavor. Per pkt. 5c. oz. 10c, pkg 30c, lb. 50c.

NABOB—We are so much pleased with our tests of this fine new variety that we want to share the enjoyment of it with our customers. It is decidedly distinct and attractive, having a peculiarly rich and sweet flavor. Flesh deepest scarlet, firm and solid, but melting and juicy, and of luscious flavor. Its hardy vines are vigorous, healthy, and productive; its fruit large and handsome, resembling Kolb's Gem in shape and uniformity, but differing in color. The rind, although thin, is as firm as some of the winter squashes. The fruit keeps long in good condition and is not excelled for shipping. Per pkt. 5c. oz. 10c, pkg 30c, lb. 50c.

MIXED WATERMELONS—38 Varieties of the finest watermelons, the largest, earliest, sweetest, and best in cultivation. Grown separate and carefully mixed by us. A chance to test all kinds at a low cost. Try them. Per pkt. 5c. oz. 10c, pkg 30c, lb. 50c.

OTHER STANDARD SORTS. ALL FIVE CENTS PER PACKET.

CITRION MELON

Phiney's Early...10 10 10
Vick's Early...10 10 10
True Dark Icing...10 10 10
Cuban Queen...10 10 10
Ice King...10 10 10
Mountain Sweet...10 10 10

Apple Pie—See novelties.

See Catalogue and Garden Guide.
ONION.

One of the most important crops grown, both in market and family gardens, and there is no other vegetable whose quality of the seed exerts a greater influence upon the crop than in onions. There is more money in onions grown from seed than almost any other crop. Good onion seed is of the utmost importance. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, select bulbs, carefully examined before being set out for seed. In vitality it is very strong, being carefully tested. Saving 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. It won't pay you to use the cheap. Imported, or southern grown seed, which is nearly a year old, and planted for successful results. A few seeds, which produce a large proportion of good sets and onions that will not keep well, makes a seed firm which failed. It will be offered at very low prices, but we warn you to beware of it. Good first-class onion seed cannot be sold at less than our price and we don't believe our customers want to trust Chinese growers.

CULTURE.—One ounce will sow about 100 feet of drills: 4 pounds will sow one acre. As early as the ground can be worked in the seed is sown, after the ground is thoroughly dry, and work the soil away from the drills. Second hand seed carefully and thoroughly by hand. When the tops die, pull and spread evenly over the ground; strip of the plants to fully dry, then cut the tops off and set the seed, or pickles, and sets, ground should be the best grades, and the seed should be sown very carefully and in drills, about 100 seeds to the acre for sets, and 15 to 20 pounds for pickling. For saving onion seed and cultivating the crop, it is just as well to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder price 3c. Try it. Also on Onto, 30c.

CULTURE.—See Novelties. Per pkt. 5c, oz. 25c.

YELLOW GLOBE DANVERS.—A very handsome, round or globe-shape variety of large sizes. Fine pruned, and very firm, and the best of keepers. It ripens early and sells readily at the highest prices in our markets. Per pkt. 5c, oz. 10c. 1 lb. 25c. 10 lb. 50c.

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 are not profitable. They grow to a large size, fine form; skin deep, purplish red; moderately fine-grained, and strong flavor. Very productive seed. This variety is extra select and cannot be excelled. Our price is low, and should you want five pounds, write for special rates. Per pkt. 5c, oz. 10c. 1 lb. 25c.

EARLY RED WETHERSFIELD.—For many years, the largest onion seed growers in the United States have been carefully selecting, each session, the most perfect, evenly-shaped onions which matured early and were of regular, uniform size. The result is an extra choice, early, white and plump productive sort. Per pkt. 5c, oz. 10c. 1 lb. 25c.

EXTRA EARLY PEARL.—The earliest and best of all American varieties. It is of good size, of pearly white color, the outer skin having a most showy, waxy appearance; it is a short-necked variety and so extremely good as to make a desirable variety with wonderful rapidity. We are sure all who try it will be greatly pleased. Per pkt. 5c, oz. 10c. 1 lb. 25c. 5 lb. 50c.

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 sort. Per pkt. 5c, oz. 10c. 1 lb. 25c. 10 lb. 50c.

SOUTHERN RED BARTLETT.—It is a heavy, plump variety of large 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. 10c. 1 lb. 25c.

EXTRA EARLY BARLETT.—This distinct new variety is the very earliest onion in cultivation. It is fully two weeks earlier than the early White Queen, which has been the earliest variety in cultivation. At maturity the tops die down directly to the bulbs, leaving the neatest and handsomest little bulbs imaginable. They are of pure, papery white color; very mild and delicate in flavor: 1½ inch in diameter, and ¾ inch in thickmess. For table and market, and picking off it is the most valuable. Per pkt. 5c, oz. 10c. 1 lb. 25c. 5 lb. 50c.

WHITE PORTUGAL or Silver Skin.—Matures early, very mild flavor, medium size, and generally preferred for table use; not a good keeper. Per pkt. 5c, oz. 10c. 1 lb. 25c.

EXTRA EARLY RED.—Quite popular for early marketing. Per pkt. 5c, oz. 10c. 1 lb. 25c. 10 lb. 50c.

MAMMOTH PRIZETAKER.—Admittedly the largest of all varieties, having grown to the size of potatoes, and is without a handsomer, finer flavored, or more desirable sort. Per pkt. 5c, oz. 10c. 1 lb. 25c.

GIANT VESUVIUS.—Grows to an immense size. They are of handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a bright red, flesh nearly white, quality the finest. For table and market, and pickling it is the most valuable. Per pkt. 5c, oz. 10c. 1 lb. 25c. 10 lb. 50c.

COOPER KING, or MAMMOTH POMPEII.—Have been grown to the enormous weights of two and one-half bushels; and how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out four pounds and six ounces of common onions and imagine them all in one. Beautiful ornament in the market. Per pkt. 5c, oz. 10c. 1 lb. 25c. 10 lb. 50c.

MAMMOTH SILVER KING.—Attractive form, flattened, but thick through. Single bulbs often attain weights of from two and a half to four pounds each. The skin and flesh are white, and of a particularly mild and pleasant flavor. Matures early, but is of uniformly large size and perfect form, and will bring a large price in the market. Per pkt. 5c, oz. 10c. 1 lb. 25c. 10 lb. 50c.

FOUR GIANTS: One pkt. of Each of The Mammoth Prize-taker, Copper King, Giant Vesuvius and Silver King, for only 15c. Try them.
PEPPER.

One ounce will produce about 1,500 plants.

Sow seed in a hotbed early in spring; transplant to open ground when the weather is favorable; in warm, wel- low soil, in rows eight to ten inches apart. Seeds germinate slowly, and require considerable heat. Packets contain about 600 seeds.

MAMMOTH GOLDEN QUEEN.—Average a third larger than Ruby King. Eight to ten inches long, bright, golden yellow, and mild flavor. Per pkt. 5c, oz. 25c, lb. 60c.

RUBY KING.—Very large size, 4½ to 6 inches long, by ¾ to 4 inches thick. When ripe they are of a beau- tiful 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. 25c, lb. 60c.

CELESTIAL.—When ripe, of a delicate creamy yellow color, then suddenly changes to an intense vivid scarlet. Superior quality and clear, sharp flavor. Per pkt. 5c, oz. 25c, lb. 60c.

RED CLUSTER.—Similar to the Chili, but smaller and more pro- ductive. Per pkt. 5c, oz. 20c, ½ lb. 50c.

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

RED CHILI.—Small, very hot. Used everywhere for pepper sauce. Per pkt. 5c, oz. 20c, ½ lb. 50c.

LARGE BELL, or BULL NOSE.—An early standard sort. Per pkt. 5c, oz. 15c, ½ lb. 50c.

SWEET MOUNTAIN, or MAMMOTH.—Similar to the above, but milder. Per pkt. 5c, oz. 15c, ½ lb. 50c.

RED CAYENNE.—Per pkt. 5c, oz. 25c, ½ lb. 50c.

MUSTARD.—Ger. Senf.

One ounce will sow about 75 feet of drill.

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

SOUTHERN GIANT CURLED.—Highly esteemed in the South; where the seed is sown in the fall, and the plants used very early in the spring as a salad. Per pkt. 5c, oz. 10c, ½ lb. 25c, lb. 75c.

WHITE ENGLISH; or LONDON.—Per pkt. 5c, oz. 15c, ½ lb. 25c, lb. 50c.

CHINESE GOLDEN.—Forms a compact, bushy plant. Leaves very thick, heavy, curled, and of a bright golden yellow color; very easy to grow. Pkt. 5c, oz. 15c, ½ lb. 25c.

PARSNIPS.

One ounce will sow 300 feet of drill; 2 lbs. to an acre.

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

CO.'S IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Holland Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diam- eter and more easily gathered. It is a large, heavy cropper; the roots are smooth, with a deep hollow crown and a small top. The flesh is fine grained, soft, and of excellent quality. An early variety, all through the center which is fine and soft and even in quality as outside portions. Per pkt. 5c, oz. 15c, ½ lb. 25c, lb. 50c.

LONG SUGAR or HOLLOW CROWN.—The old standard. Per pkt. 5c, oz. 15c, ½ lb. 25c, lb. 50c.

ORNAMENTAL POMEGRANATE.

A very interesting and orna- mental little fruit, which a cen- tury ago was commonly grown in this garden but is now rarely seen. 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 Anne's Pocket Melon. Pkt. 5c, oz. 25c.

KOHL RABI.—Ger. Kohlrabi.

One ounce will produce about 2,000 plants.

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable intermediate between the cabbage and tur- nip. It is easily grown the seed usually sow in drills, two to three inches apart, covering about an inch and about 10 inches in the row. Cooks like turnips.

OLIATH PURPLE.—This new variety is of immense size, solid and de- cisely more nutritious. Keeps well. In buying it will pay you to have the best. Per pkt. 5c, oz. 25c, ½ lb. 50c, lb. 1.00.

EARLY WHITE VIENNA.—Flesh white and tender; good market sort. Per pkt. 5c, oz. 25c, ½ lb. 50c, lb. 1.50.

EARLY PURPLE VIENNA.—Per pkt. 5c, oz. 25c, ½ lb. 50c, lb. 2.25.

PARSLEY.

One ounce will sow 250 feet of drill.

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

MARKET GARDENER.'S PARSLEY.—An extra choice stock with dark green, beautifully curled mossy leaves; very ornamental in growth and very productive. Most valuable for either garnishing or flavoring. Earlier than other varieties and what- ever more transplant, it retains its dark green color late in the fall, and continues to produce well throughout the winter when transferred to the greenhouse. Per pkt. 5c, oz. 10c, ½ lb. 50c.

CHAMPION Moss CURLED.—A very select stock, beautifully crimped and curled. Per pkt. 5c, oz. 10c, ½ lb. 35c.

FERN LEAVED.—Exquisite in form, and admirably suited for table decoration. Excellent quality. Per pkt. 5c, oz. 10c, ½ lb. 35c.

TOBACCO.

One ounce will sow about 35 feet and produce plants for one acre.

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

MAMMOTH MUSCATELLE.—Early, and of finest texture. Pkt. 5c, oz. 25c, ½ lb. 50c.

BRANDER.—Ripens early, adaptable to a wide range of soil and latitude, therefore sweet. Yellow. Per pkt. 5c, oz. 25c, ½ lb. 50c.

BIG HAVANA.—Heavy cropper, fine texture, delicate flavor, early to very mature and ripen. Pkt. 5c, oz. 25c, ½ lb. 50c.

CONNECTICUT SEED LEAF.—Well adapted to this climate. Pkt. 5c, oz. 30c, ½ lb. 1.00.

RED CROSS PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant a few for themselves and children. This very desirable variety is the earliest, the most hardy, very prolific of and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own gar- den and having plenty of them to eat. Shell the nuts, cut in pieces, and roast slowly so as to not break inside skin, and plant as soon as the ground becomes warm, from two to three feet apart each way, four or five feet to the hill, covering two inches. The soil should be sandy and well-drained. They pro- duce 25 to 75 bushels per acre, and are as easily cultivated as corn. Price per large package, 10c, 25c, post-paid.
PEAS.

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

Peas mature quickest in light, dry soil not 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 early 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 rows than the smooth varieties, as they are more liable to rot.

Prices include postage. Plots at one-half the quarter rates. 15c per quart discount if sent by express. See special prices by the peck or bushel on page 20. Our packets contain about two ounces.

GIANT GRAY SUGAR—See Novelties. Pkt. 10c.

NOTT'S EXCELSIOR—A superb new variety, and we are sure our customers will welcome it as an ideal family and market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. George Buchanan says: "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advance, etc. The peas were ready for table use within forty-three days from planting. Quality very superior." Per pkt. 5c, ½ pt. 10c, qt. 30c.

CLEVELAND'S ALASKA.—Height two feet, pods rather small dark green color, well filled; the earliest pea known, being two days earlier than the Rural New Yorker and ninety per cent of the pods can be gathered at the first picking. Per pkt. 5c, ½ pt. 12c, qt. 40c.

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 3 feet. Pkt. 5c, ½ pt. 12c, qt. 30c.

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. 10c, qt. 30c.

AMERICAN WONDER—The leading dwarf pea in point of earliness, productiveness, flavor and quality. Of dwarf and robust habit, growing about ten inches high, and produces a profusion of good sized, well-filled pods fairly packed with the finest flavored peas. On good soil such as will average twelve pods and each pod six peas. The vines grow from eight to ten inches high. Per pkt. 5c, ½ pt. 10c, qt. 30c.

STANLEY.—This very handsome new variety is a grand medium early wrinkled pea with well filled pods. Formerly the Stratagem, a tremendous cropper, with dwarf, stocky vine, which needs no staking. It is very sweet and of delicious flavor; full grown pods often measure four inches in length by over two inches in circumference and mature very uniformly so that nearly the entire crop can be taken at one picking. All should try it. Per pkt. 5c, ½ pt. 10c, qt. 30c.

NOTT'S EXCELSIOR.

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. 10c, qt. 30c.

TELEPHONE—Extremely productive, of the finest quality and excellent, sugary flavor; vines very strong, the pods are of large size, with six to seven large delicious peas; height four feet. Per pkt. 5c, ½ pt. 12c, qt. 40c.

CHAMPION OF ENGLAND—One of the finest and best flavored peas grown. Per pkt. 5c, ½ pt. 10c, qt. 30c.

BLISS' EVERBEARING—Height two feet; late to very late; hardy, vigorous, enormous cropper, pod and peas of large size and good quality. Per pkt. 5c, ½ pt. 12c, qt. 40c.

STRATEGEM—Late variety for family or market use. Half dwarf, vigorous, branching habit, and, under favorable conditions, an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Per pkt. 5c, ½ pt. 12c, qt. 30c.

MAMMOTH LUSCIOUS SUGAR—This new sugar pea bears pods much larger than any other variety often six to seven inches long, and an inch and one half broad. The pods are so long and broad that they should be sliced and noticed about 18 or 20 minutes when old, and have a little butter or sauce put over them. When they will be ready to supply the table, and make an excellent nutritious dish. They should not be shelled, but the peas and pods eaten together, and as they contain so much sugar, starch, and gum, are very nutritious for family use. Per pkt. 5c, ½ pt. 10c, qt. 30c.

FIELD PFAS.—See list of Miscellaneous.—Field Seeds.

JUNO.—We have no hesitation in saying this is by far the best wrinkled pea of its class to-day. It has very robust vines, stout, straight pods, and usually borne in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet, and its season from mid-June to main crop. Destined to become a standard variety. Per pkt. 5c, ½ pt. 10c, qt. 30c.

OTHER STANDARD VARIETIES.

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<td>Reed's Early Prize.....</td>
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<td>First and Best.........</td>
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<td>Yorkshire Hero.........</td>
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PUMPKINS.

One ounce will plant 23 hills; 3 pounds will plant one acre.

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

ATLAS PUMPKIN.—What do you want in a pumpkin? It is not an impossibility that it will be produced. This variety is well adapted to all soils and is a very desirable variety for the garden. The pumpkins produced from it are large, round, and of fine quality. The flesh is yellow and of excellent flavor. The seeds are large and the plant is an excellent one for the garden. The pumpkin will be produced this year and will be ready for planting in the spring.

SALSIFY—Or Vegetable Oyster.

Salsify is one of the most delicious and nutritious of vegetables, and should be more generally cultivated for use in soups and stews. It is grown from seeds and requires the same culture as the beet. The roots are large, and are usually grown in the fall. They are hardy and will stand prolonged cold without injury. They are easily grown and are a good food for both the poor and the rich.

RHUBARB, OR PIER PLANT.

One ounce will produce about 100 plants.

One ounce will produce about 100 plants.

Rhubarb, or pie plant, is a hardy perennial plant, and is grown for its leaves and roots. The leaves are large, and are used for making pies, and are also used for making various kinds of preserves. The roots are used for making rhubarb wine, and are also used for making various kinds of preserves. The roots are also used for making various kinds of preserves.

Chinese Vegetables.

The following vegetables were introduced into this country by the Chinese and are cultivated at all places where they have gardens. They are quite curious and are grown by many of our people.

SALISBY—Or Vegetable Oyster.

Salisby, or vegetable oyster, is a hardy perennial plant, and is grown for its leaves and roots. The leaves are large, and are used for making pies, and are also used for making various kinds of preserves. The roots are used for making rhubarb wine, and are also used for making various kinds of preserves. The roots are also used for making various kinds of preserves.

MAMMOTH TOURS.—Also called Mammoth Whale. Originated near Tours, France, where it is largely grown both for cattle and for table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Per pkt. 10c, oz. 10c, lb. 25c. lb. $1.00.

MAMMOTH CHILL.—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. 100 to 200 pounds is a common weight with ordinary cucumbers. Per pkt. 5c, oz. 10c, lb. 25c. lb. $1.00.

MAMMOTH ETAMPE.—A plant variety from France, where it is quite celebrated. Bright glossy orange, seed variety for early. Potatoes like. The seeds are also used for making various kinds of preserves. Per pkt. 5c, oz. 10c, lb. 25c. lb. $1.00.

CALIFORNIA.—A great improvement on the large Chinese pumpkin. Color, creamy brown, flesh deep salmon, yellow, wonderfully thick and fine grained, while the seed cavity is very small. Kind this when cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Has been recently re-named by one dealer the "New Thanksgiving Pumpkin." Per pkt. 5c, oz. 10c, lb. 25c. lb. $1.00.

WHITE CUSHAW, or JONATHAN.—Attractive and sells better than the old green striped variety. Per pkt. 5c, oz. 10c, lb. 25c. lb. $1.00.

JAPANESE PIE.—Flesh very thick and rich in salmon color, nearly solid. Dry and sweet, making pies of wheat. Per pkt. 5c, oz. 10c, lb. 25c. lb. $1.00.

LARGE CHEESE.—A flat variety commonly called sweet pumpkin throughout the west. Per pkt. 5c, oz. 10c, lb. 25c. lb. $1.00.

Wisconsin golden.—A most distinct and valuable new sort that has proved highly satisfactory in our tests of the past few years so that we are now confident that it will suit customers. It is of strong, vigorous growth; the leaves are dark green in color, round and curled. They are large, smooth, and are a decided yellow cast, which gives it its name. They eat smooth and even throughout, unusually brittle and never stringy. When prepared for the table they are very rich, tender and delicious in flavor. Per pkt. 10c.

WISCONSIN GOLDEN SALSIFY.
**RADISH.**

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

Radish seed should be sown in light, rich soil as early as the ground can be worked, and for a succession, at intervals of two weeks until mid-summer. Radishes must grow 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.

**NEW ROSE TURNIP.**—See Noteties. Per pkt. 5c, oz 10c, $4 lb. 50c, lb. $1.25.

**ROUND SCARLET CHINA.**—See Noteties. Pkt. 10c, oz. 25c.

**VICK'S EARLY SCARLET GLOBE.**—A most excellent early radish for garden culture, and for hotbed 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, hard, pithy heads 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, $4 lb. 50c, lb. 85c.

**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; certainly the finest ready on the market. It is by far the best strain of early radishes for forcing. Beds are planted, the seed matured and sold, and the same bed made ready for a second planting all in thirty days. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**IMPROVED CHARTIER.**—Decidedly distinct in appearance from any radish in cultivation. Its form is well defined by our engraving, the color at the top being crimson, running into pink about the middle, and from thence downward a pure, waxy white. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**WHITE STRASBURG.**—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 retarding the crispiness even when old and large. It is excellent for summer use, as it withstands severe heat and grows very quickly. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**I. S. 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 uniform good quality, crisp and brittle, and they keep longer in a flat case 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 Charter, and keep in perfect shape for marketable use about four weeks, or longer for home use. Per pkt. 5c, oz. 10c, $4 lb. 30c, lb. 85c.

**MIXED RADISHES.**—This is a mixture of over twenty choice varieties of early, medium and late radishes. This will give you radishes all summer and you will be surprised at the results. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**NEW GOLDEN DRESDEN.**

**RICK'S EARLY SCARLET GLOBE.**

**ROSY GEM.**—An improvement on the Scarlet Turnip White Tip. Their shape is perfectly globular, with flat, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, equally desirable for either the market or home garden. Per pkt. 5c, oz. 10c, $4 lb. 30c, lb. 85c.

**MODEL WHITE BOX.**—A great improvement on the Philadelphia White Box, which has been popular for several years. It is of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes" and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy, and unsurpassed in flavor. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**GOLDEN DRESDEN.**—All who saw this charming variety at our trial grounds were most favorably impressed with it. It was a little beauty, with golden brown skin, white flesh, crisp, juicy, and of finest flavor. One of the quickest growing sorts, and tops are so small as to admit of close planting. No matter whether grown in the garden or in hotbeds, you can depend on a remarkably perfect, early and uniform crop. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**WHITE LADY FINGER.**—An improvement on the White Napoles, or Vienna. A large, white, crisp variety, about as long as Long Scarlet and similar in shape. A very desirable sort. Per pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**CHINA ROSE WINTER.**—One of the best winter varieties, bright rose colored, flesh white, firm and of superior quality. Pkt. 5c, oz. 10c, $4 lb. 25c, lb. 85c.

**MODEL WHITE BOX.**

**OTHER STANDARD VARIETIES.**

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<th>Variety</th>
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<td>Calif Mammoth White Winter</td>
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**KIND WORDS.**

I have bought seeds of you for five years and everything has been all O. K. — Yours ever, H. L. Brown, Helen, Nebraska.


I have used your seeds for several years and they always are the best of satisfaction.—Geo. E. Suppel, Mexico, Illinois.

I sent two years ago to you for seed and they were the best we ever had.—Mrs. C. M. Coburn, Moscow, N. Y.
SQUASH.

One ounce early varieties will plant about forty hills; one ounce late will plant about twenty hills; 3 to 6 lbs. to the acre.

Plant about the middle of spring in hills, the early sorts four to six feet apart, the late varieties eight to twelve. Thin to three plants in a hill. The soil should be rich and deep. Packets of early varieties contain about 125 seeds; late varieties about 40 seeds.

SIDLEY or PIKE’S PEAK.—Originated in Iowa. We put this first of the list as being the very best winter squash in existence. Claimed to have brought a great improvement on the Hubbard. The shell is pale green in color, very hard and flinty, but at the same time soft and smooth, and in season the least possible waste in baking. The flesh is soft and thick and a 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. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

WHITE BUSH SCALLOPED.—Similar to the Golden Bush. Color creamy white. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

EARLY PROLIFIC MARROW.—Early and productive. The two most important features for the market gardener—while its attractive color—brilliant orange red—good cooking and keeping qualities make it popular with the consumer. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

DELICATA.—When we first saw this new variety we were not all pleased with its appearance, as it is anything but handsome and would not sell well in the market. We were, however, obliged to admit that it was very prolific, yielding 14 fruits to the vine, and it was the best of any vining squash on our place. When we tried it on the table we were really surprised at its very rich flavor, fine quality, dry and excellent. We highly recommend it for family use. Per pkt. oz. 10c, 1/2 lb. 30c, 1 lb. 60c.

FORDHOOD.—Extremely handsome: of a bright yellow outside and straw yellow within. The flesh is dry and of the best quality. The stem is thin and hard, and about the same size as the thumbs. Consequently it is free from the attacks of the squash bugs. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

SMOOTHSHALLOPED.—This is certainly the largest variety of squash (or pumpkin) as far as we know it is full in substance with pumpkins. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. $1.00.

AMERICAN TURBAN.—It is fine grained, very dry, sweet, and of delicious flavor. For fall and winter use. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

ENGLISH VEGETABLE MARROW.—A favorite English sort. The fruit is variable in size, from nine to eighteen inches in length. Skin a greenish yellow, flesh white, soft, and of rich flavor. Plant eight feet apart. Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. $1.00.

WARTY HUBBARD.—This new strain of the Hubbard is an improvement. The warty indicates a very hard shell, which is one of the best features of a long keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweet the flesh. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

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. Seed of our own growing and extra select. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

BOSTON MARROW.—Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

ESSEX HYBRID.—A most excellent variety. It is the earliest of all sorts, and can therefore be planted later in the season than the other varieties. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

MARELEHEAD.—A splendid winter variety. Very hard but has a light blue color; flesh equal to the Hubbard in quality. Per pkt. 1 oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

SPINACH.

One ounce will sow about 50 feet of drill; ten pounds to an acre.

This the finest "greens" of any plant in cultivation. For summer, sow early in spring in deep, rich soil, 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 all, then the summer sorts.

NEW VICTORIA.—This new variety is distinguished for its exceedingly dark black-green color, and also for its very long standing qualities, being from two to three weeks later than the ordinary Long Standing. The leaves are thick and spread out flat upon the ground. It is excellent for spring sowing, but not sufficiently hardy to withstand the winter in this locality. It outyields every other variety, and stands longer before going to seed than other sorts. Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

NEW ZEALAND.—Very useful to supply the place of the ordinary spinach during the hottest months of the year, or in dry, arid localities. A great acquisition, and the most valuable of all for either the market or family use. One plant will cover a space of ground three to four square feet. A few plants will supply a family with this delicious vegetable from July to October. Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. $1.00.

LONG STANDING.—A standard with gardeners; leaves thick, fleshy and crumpled, have a round shape, and are very productive. Suited for late summer sowings. Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. $1.00. By express 5 lbs. $1.00.

FRICKLELE WINTER.—Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

VIROFOL, or SAVOY LEAVED.—Grows an enormous size and produces wonderful crops. Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. 50c.

VIROFOL, or SAVOY LEAVED.—Grows an enormous size and produces wonderful crops. Per pkt. oz. 10c, 1/2 lb. 20c, 1 lb. 50c.
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.

Early Minnesota.—This handsome new variety which we now offer to our customers is, we believe, the earliest in existence. It originated in Minnesota but has been thoroughly tested elsewhere for several years with surprising results. The plants grow with rather small leaf and when small they begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. Those in the home garden, where we have had a stock of tomato seed which is far superior to that of most other dealers.

Gold Champion.—This new early Tomato of more than ordinary merit, coming into use ahead of Dwarf Champion by a week or ten days. The fruits are perfectly smooth, resembling Dwarf Champion in color, very deep, solid, and thick meated, ripening up well all around the stem. It is an immense cropper and a long keeper. As much as 1/2 bushels have been picked from a single vine. Per pkt. 5c, oz. 25c, lb. 75c, $2.50.

New Store.—Quite popular in some sections for main crop, is large, of bright scarlet color; very smooth, with occasionally a specimen slightly octagon-shaped; ripening evenly to the stem without a crack, solid, firm fleshed, is an excellent suppler, quality the very best; fine for canning a good keeper, without hard core, and not subject to rot. Per pkt. 5c, oz. 25c, lb. 60c, lb. $1.75.

MATCHLESS.—Well worthy of its name for beauty of color and symmetry of form it is indeed without a peer. The vines are of strong vigorous growth, well set with fruit. They are entirely free from core, of 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. 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 the finest quality. Per pkt. 5c, oz. 20c, lb. 60c, lb. $1.75.

Yellow Pear.—A favorite with all who know them and we have many inquiries for seed during the past few years, but it has been difficult to secure. We have finally grown a splendid crop. The fruit is pear-shaped as shown in our illustration, of handsome deep yellow color; flesh yellow, solid and especially fine flavored. They make a choice table fruit for home consumption and are more used for preserving or to make "tomato jiggs," also excellent pickled. Per pkt. 5c, oz. 20c, lb. 60c, lb. $1.75.

The post & wire trellis.

The Earliest Tomato in the World.

CRIMSON CURRANT.—See Novelties. Per pkt. 10c.

NEW ITALIAN MIXED.—See Novelties. Per pkt. 5c, oz. 25c.

HONOR BRIGHT.—See Novelties. Per pkt. 10c, oz. 50c.

DWARF ARISTOCRAT.—Resembles the Dwarf Champion in every respect except in color of the fruit, which with the Aristocrat is a beautiful rich glossy red, so much admired in some markets, and preferred to the flesh or rose-colored sorts. In size, productiveness, smoothness, flavor, etc., it is fully up to our usual standard of perfection. It is especially desirable for greenhouse or forcing under glass, and for early croppers. Per pkt. 5c, oz. 25c, lb. 60c, lb. $2.50.

PICTURE ROCK.—This has again proved to be one of the best varieties on the list. They are of good size, in fact rich large and run so even and perfect in form, after the first few fruits, that the excellence of having all been made in one mould. They are smooth, of bright scarlet color, solid and of excellent quality. Per pkt. 5c, oz. 25c, lb. 75c, lb. $2.50.

LIVINGSTON'S BEAUTY.—Originated with Mrs. 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. 25c, lb. 60c, lb. $1.50.

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. Flavor excellent. Our seed was saved from select specimens grown on our own place. Per pkt. 5c, oz. 25c, lb. 60c, lb. $1.50.

STRAWBERRY.—See Ground Cherry, page 9. Pkt. 5c.

PURPLE HUSK.—See description on page 9. 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 varieties named above and several others. Per pkt. 5c, oz. 25c.

DWARF CHAMPION.—Its habit of growth is peculiar but the seeds being thick, stiff and short-jointed, it is actually self-supporting when laden with fruit. In productiveness it is unrivalled. 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, lb. 60c, lb. $1.50.

GOLDEN QUEEN.—We have tested many yellow tomatoes, of which the Golden Queen has proved decidedly the best. Large size and smooth, round shape. Per pkt. 5c, oz. 20c, lb. 60c, lb. $2.00.

Other Leading Varieties.

All 5 Cents per Packet.

Trophy... $1.15... $1.15... $1.50
Acme... -... $1.20... $1.20
Pennsky... -... $1.20... $1.20
Favorite... -... $1.30... $1.30
Ponderosa... -... $1.50... $1.50
Pequod... -... $1.50... $1.50
Turner's Hybrid (Mikado)... -... $1.50... $1.50
Yellow Plum... -... $1.50... $1.50
Red Cherry... -... $1.50... $1.50
Atlantic Prize... -... $1.50... $1.50
GOLDEN BALL, or ORANGE JELLY.—A very beautiful and bright yellow turnip of medium size, and universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Always brings a good price in the market. Per pkt. 5c, oz. 10c, lb. 25c, lb. 60c.

EARLY SNOWBALL.—A perfect globe-shaped, white-skinned turnip. It is exceedingly productive. The flesh is fine grained, firm, and of very delicate flavor. It is one of the best keepers of the white fleshed sorts. Very early, and particularly adapted for family or market use. Per pkt. 5c, oz. 10c, lb. 25c, lb. 60c.

BREADSTONE.—While of the Ruta Baga type, they are of such extra fine quality they deserve to be classed with the best turnip sorts. The flesh is perfectly white, fine grained, and cooks in only fifteen minutes, very tender and sweet. Per pkt. 5c, oz. 10c, lb. 25c, lb. 60c.

American Improved Ruta Baga.—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 productive. Per pkt. 5c, oz. 10c, lb. 25c, lb. 60c.

NIMBLE DICK.—It is extra early and produces, handsome, large sized turnips in a very few weeks from the seed. Planted. Color white, flesh crisp and of excellent flavor. Per pkt. 5c, oz. 10c, lb. 25c, lb. 75c.

PURPLE TOP STRAP-LEAVED.—The standard for this part of the country for late planting. Produces good turnips, very productive, strap leaves, some few leaves; flavor good. Per pkt. 5c, oz. 10c, lb. 25c, lb. 50c, 8 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, lb. 25c, lb. 50c, 8 lbs. or more, not prepaid. 45c per lb.

EARLY WHITE EGG.—Very early and particularly desirable for the table. Per pkt. 5c, oz. 10c, lb. 25c, lb. 75c.

LARGE WHITE GLOBE.—Excellent for table feeding. Per pkt. 5c, oz. 10c, lb. 25c, lb. 50c.

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

RUTA BAGA.

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

MONARCH.—This grand, new and distinct form of the ruta baga, is, we believe, by far the best of all. The bulbs are of large size and of universal quality. Both early and compact and with a firm, hard, purple top; flesh white, smooth and of the finest flavor. Per pkt. 5c, oz. 10c, lb. 25c, lb. 75c.

IMPROVED AMERICAN.—Very solid, fine quality, valuable for the table and for feeding stock. Very hardy and productive, excellent flavor, with small neck; flesh white, smooth, keeps well. Our strain is choice. Per pkt. 5c, oz. 10c, lb. 25c, lb. 75c.

WHITE SWEET GERMAN.—Large size, oval form and very solid, flesh pure white and sweet. This is the best selling variety. Per pkt. 5c, oz. 10c, lb. 25c, lb. 50c.

CARTER'S IMPROVED HARDY SWede.—Large size, excellent quality, and an immense yielder. Per pkt. 5c, oz. 10c, lb. 25c, lb. 50c.

BEANS, CORN AND PEAS IN BULK.

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<td>Improved Ruby</td>
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<td>Podder Corn (sweet)</td>
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<tr>
<td>Monarch White Rice</td>
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<td>Mapectose Profile</td>
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<tr>
<td>Queen's Golden</td>
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<td>First and Best</td>
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VEGETABLE PLANTS.

Well grown and tightly packed to carry long distances. They can be shipped fresh, well packed at the beds, on a day’s notice.

Plants quoted “by mail” are sent at our expense: “by express” at the purchaser’s expense. 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 jacking or boxes. Plants from hotbed or cold frame are ready during April or May, outdoor grown during June and until the middle of July. We sell $50 at the 1,000 rate.

CABBAGE PLANTS—Early Varieties—Ready April 10th. Extra Early Express, Jersey Wakefield and Henderson’s Summer. By mail, 100, 75c; by express, 100, 50c; 1,000, $5.50.

CABBAGE PLANTS—Late Varieties—Ready June 1st. Surehead, Premium Flat Dutch and Short Stem Drumhead. By mail, 100, 75c; by express, 100, 50c; 1,000, $2.00.

CAULIFLOWER PLANTS—Ready May 1st. Snowball and Erfurt. By mail, 25c, 100, $1.50; by express, 100, 50c. June 1st. Boston, New York. By mail, 25c, 100, 50c; by express, 100, 50c.

CELERIY PLANTS—Ready May 1st. Henderson’s Half Dwarf, White Piume, Golden Self-Blanching, and Pink Aromatic. By mail, doz, 20c; 100, 95c; by express, 100, 50c. After June 1st, $3.00 per 1,000.

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

PEPPER PLANTS—Ready May 1st. Ruby King, Large Bell, and Red Chili. By mail, doz, 25c; 100, 95c; by express, 100, 50c.

TOMATO PLANTS—Ready May 1st. Strong, transplanted plants. Dwarf Champion, Bond’s Minnesota, Beauty and Matchless. By mail, doz, 25c, 100, 95c; by express, 100, 50c. June 1st: $3.00 per 1,000.

SWEET POTATO PLANTS—Ready May 1st. Plants strong, vigorous, well rooted and hardy. We furnish either the Yellow Nansemond, or Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100c; by express, 100, 50c; 1,000, $2.00.

HORSE RADISH SETS.

Plant at any time during spring, in rows two feet apart and about eighteen inches apart in the rows. By doz. 35c; by express, 100, 75c.

ASPARAGUS ROOTS.

Ask for circular giving directions for planting, etc.

CONOVER’S COLOSAL—Strong two-year-old roots, 100, 75c, 1,000, $1.50.

PALMETTO—Strong two-year-old roots, 100, 75c; 1,000, $3.00.

COLUMBIA MAMMOTH WHITE—Strong two-year-old roots, per 100, 1.00; per 1,000, $7.00.

Per box by express or freight. Any of the above varieties at 25c per doz., $1.25 per 100 by mail, postpaid.

RHUBARB ROOTS.

These may be planted early in spring or fall, setting the roots three feet apart each way. It requires but little labor to plant, and when once planted in good rich soil, it will remain in bearing condition many years. By doz., 10c; 15c, doz., 95c.

GARLIC.

A species of onion propagated by offsets; used for flavoring soups, stews and other dishes. It may be divided into small parts and planted in early spring in rows one foot apart, and from two to five inches between the plants in the rows. It is raised in the crop matures in August, when it is harvested like onion.

GARLIC SETS—Per pound 45c, 1.00 per bu. By express, per lb., 30c.

CHUFAS, or EARTH ALMOND.

In sweetness and flavor they resemble the coconut orange and are considered very nice put on the table in a fruit dish with candies 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 plugs or points, and destroyed by them if they have free access. Plants sown in April, ten inches apart in two and one-half foot rows. Very hardy. If seed is very dry, soak well before planting. Our illustration shows the manner of their growth, and they vary from the size of a large pea to that of a hazelnut. It pleases the children. Pkt., 5c, oz., 15c; lb. 30c, bu. 35c.

MUSHROOMS.

The ease and certainty with which a crop of mushrooms can be grown to perfection in an ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. In many cases they are always wanted and sell readily at paying prices. There seems no limit to the demand, and an oversupply is seldom known.

We recommend the English mushroom spawn as generally the better both for the market gardener and private planter. Directions for culture sent on application. Price, per lb. not prepaid, 15c, 10 lbs. $1.25. If by mail, add 10 cents per lb. for postage.

HOLT’S MAMMOTH SAGE.

After having grown and thoroughly tested this valuable variety for several 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 from 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. In hedges and borders, and again in the latter of 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 grow a very large number and hope to have sufficient. Price 3 plants 25c, 7 for 50c, or 15 for $1.00, postpaid.

CHIVES.

Perfectly hardy perennial members of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Planted in small clumps in any common garden soil, they grow readily. The tops appear very early in the spring and can be shorn throughout the season. Roots, per bunch, 35c, postpaid.

ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. Price by the pint and quart include prepayment of postage (deduct 10c per quart if by express.) Price by the peck and bushel is subject to market variation, and they are shipped at buyer’s expense. If you want a large lot write for prices.

WHITE BOTTOM SETS—The bottom onions sets grown from seed are the most popular of all and the finest and best for early use and large onions. Per pr. 30c, qt. 35c, peck 1.00; bu. 3.50.

YELLOW BOTTOM SETS—Like above except the color. Per pr. 15c, qt. 30c, peck, 85c, bu. 3.50.

RED BOTTOM SETS—Per pr. 15c, qt. 30c, pk. 85c, bu. $2.50.

RED TOP or BUTTON SETS—These are the old fashioned sets still largely called for in some sections. Per qt. 30c, peck, 85c, bu. 3.50.

PERENNIAL or WINTER—Also called Egyptian and Trecions. May be set out in the spring, but are usually set in the fall, and from two to five years after the setting will produce the earliest spring onions. Per pt. 15c, qt. 25c, pr. 35c, bu. $1.50.

PERENNIAL or WINTER—Also called Egyptian and Trecions. May be set out in the spring, but are usually set in the fall, and from two to five years after the setting will produce the earliest spring onions. Per pt. 15c, qt. 25c, pr. 35c, bu. $1.50.
SELECTED FARM SEEDS.

Our farm seeds are grown especially for seed, in the section best suited to their development and physiology, carefully selected, thoroughly cleaned, of the best quality, and sold at reasonable prices, which are subject to any important market changes. These prices are net and not subject to premium or discount which is offered on garden seeds. 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.

We do not carry or sell any vegetable or flower seeds that are not sold by the packet or pound is sent by mail postpaid; all large quantities, unless noted, are sent by express or freight at the expense of the purchaser. Prices named include bags, except on clover and grass seeds, and delivering to dealers.

SEED CORN.

It is wise to risk doubtful corn and test certain lots of corn in order to make sure that the seed is good when sold.

The varieties of field corn we offer are the best now in use. They were grown especially for seed purposes, and well matured, carefully sorted by our seed corn experts, and hulled with great care. In the corn of the 1918 Iowa alone would be increased two million dollars an average increase of one bushel per acre, and it has been demonstrated that the crop can be fully doubled by planting some of our improved varieties. We are in the center of the best corn growing soil and climate are peculiarly adapted to its culture. This year we now can say without fear of contradiction, that for the season of 1898 we have the best supply of seed corn ever offered by any seed firm in the world.

The necessity for the very best seed 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. We claim to have supplied more farmers with seed corn last year than any seed firm in the world ever did before. Some dealers last year, seeing the great success we had made in the seed corn trade, purchased common crib corn and sold it out tested 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 will mail samples for testing to prospective customers. If a large quantity is wanted, ask for prices. No extra charge for bags.

IOWA SILVER MINE.

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

The most marvelous variety of corn ever offered and one which will surprise everyone who plants it. If the farmers take hold of this as they should it will revolutionize the corn growing of the country. Just think of this wonderful variety, 215 bushe of corn per acre with ordinary culture. We do not see resulting inclusions when this is mentioned: we believe in results. We believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our greatest specialty, and we claim to be corn experts, and in the spirit of the statement, we purchased the entire stock, for $1,000.00 per acre. Each ear of this corn will yield 10 or more bushels per acre, and when sold for $10.00 per ear, the whole farm will pay itself.

DESCRIPTION.—Stalk grows to a height of about seven or eight feet and sets the ears about three and one-half to four feet from the ground, just the height for easy picking. One peculiarity we noticed in going over the field was that there were no barren stalks every one had an ear, many stalks had two good ears, and the originator says that that has been characteristic every year. We have seen a large growth of fodder, having been bred especially for grain, though it has plenty of blades to support the growth and it is well rooted as any corn grown. The type is very fine, as usually is the case in selecting exhibition ears for the field in the central states, but has been bred to them with very few exceptions. Ears measuring from ten to twelve inches in length and weighing one and one-half pounds are not uncommon. The ears are compact, of the size of sixteen to twenty straight rows (usually 20 to 25 rows) of deep, pure white kernels set on a white cob, and the ears are well filled out over the tip. It is early, matured last year in less than ninety-five days, and has never been caught by the frost. It is hardy, sound, and of the same quality for the next generation as when first planted, making it exist only to go through two summers excepting this one. It is a white corn, grows well in the warmest places and in climates of all kinds and our Iowa Gold Mine crop has grown 100 bushels an acre in 1901 in a field where it was badly stunted in the corn. The blades are hardy, and the ears are large and of good size. It is the only corn in our list that is a real white corn. In its yield it surpasses all other varieties of white corn and it is the only pure white corn in the market.

It is a large white kernel corn and makes two-hundred and sixty pounds of seed. It is adapted to a wider range of soil and climate than any corn ever offered. From Minnesota to Florida, from Massachusetts to California, where other varieties are grown at a loss, it is in every way a distinct type of corn, and possesses many of the characteristics which have made the Iowa Gold Mine so popular, while the ear is larger.

We state our reputation upon this corn, a product of excellence and entire satisfaction and that it is an entirely new origin and not an old sort under a new name. It is hardy, a great ear resist and produces the greatest yields of any corn ever introduced. The same of perfection, unsurpassed and unsurpassable. The largest ear 100 days in existence. We challenge competitors. Don't fail to try it. See testimonials on next page.

Its Prize Record.—In 1893 it took first prize as a white corn, and in 1894 ten of the largest ears took first prize. Three of these ears were sent to the New York World's Fair and took second prize. Afterwards the same ten large ears again took first prize over all other varieties both white and yellowing, and each ear contained over 200 ears of corn.

Now for 1898. To every one who orders Iowa Silver Mine seed corn from us we will send free—full information as to how 215 bushels of corn were grown on one acre last year, and how you can do as well. There is money in farming if you only know how. Don't be a small; be progressive; adopt new methods and use good seed. Figure out what your profit would be if your crop was that large. It will pay you to plant your entire field with this variety in one year. Get your neighbors to order with you. Either we will make money or you will make it.

Warning. If you want pure Iowa Silver Mine corn it must be purchased direct from us or we have not grown it. This year we sent out a crop of pure Iowa Silver Mine corn, and we were interrogated by the old seed firm in the United States. This year, one seedsmen sent out ordinary white corn under this name, and another seedmen purchased a crop which was grown for us, but which we had condemned as unfit for our trade. Our cost of pure seed is almost nothing (only about 25 c per acre). One hundred bushel per acre added to your crop will pay for it, and you can afford to use doubtful seed.

ORDER EARLY—SURE TO BE A GREAT DEMAND.

PRICE. Postpaid or by Express Prepaid,—Per 2-oz. 10c, 51c, 1b. 25c, 3 lbs. 60c, 7 lbs. (will plant an acre) $1.00. Specimen ears, 25c. each.

PRICE, by Freight or Express, Purchaser Paying Charges,—Per 1/2 oz. 50c, pk. 75c, buah $2.00, 2 bushels or more @ 21/2, 10 bushels $10.00.
HURRAH! HURRAH! HURRAH!

FOR THE IOWA SILVER MINE

IT BEATS THE WORLD. BETTER THAN KLONDIKE.

READ THE WONDERFUL RECORD.

Produced 200 bushels in ear, equals 215 bushels shelled, per acre in Scott Co., Iowa.

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Average of above is 175 bushels shelled per acre.

Our Customers all Rejoice with us.

We Print Extracts from a few Letters.

Your Iowa Silver Mine corn is all right. I have been on this farm for forty years, but never have raised such corn before.

J. SCHAFFER, Near Minneapolis, Minn.

The Iowa Silver Mine corn will do as well here as any variety. It was cut down twice by the frost this year, but still yielded 76 bushels per acre.

J. E. OLSON, Nicollet Co., Minn.

Season was very unfavorable here, but still the yield of your Iowa Silver Mine corn was fine, and much larger than any other corn in the field.

C. S. LITTLE, Hennepin Co., Minn.

We find the Iowa Silver Mine to be the only really pure white corn, the deepest grain, the earliest matured, and largest percentage of perfect ears of any corn I have ever tested, and I have grown about all the named varieties. You have in the Iowa Silver Mine a variety that combines more good qualities than any other, either white or yellow. Being a thoroughly tested corn, it has great reliability of constitution, and thus is adapted to any soil or climate. Your customers will find it a veritable "Silver Mine" if developed with a plan and cultivator instead of a pick and shovel.

J. H. BEAGLEY, Editor of American Corn Journal.

Your new Iowa Silver Mine corn is the earliest white corn I have ever seen. Ears of good size and in many instances producing two ears to the stalk. It is seldom seen one anywhere bred up to such perfection as this new corn.

J. F. KEBLE, Lee Co., Iowa.

The 70 acres of corn we planted with seed from your firm, is the best field of corn in this county. It runs from now to the corn on each side.

D. M. MCKINLEY, St. Charles, Ill.

A CORN FAIR.

Commissioner purchased a quantity of our IOWA SILVER MINE SEED CORN, and distributed free to 200 farmers offering a prize of 40 acres of farm land to the one growing the best corn. People there laughed at the idea of growing good corn in Florida, but the result was marvelous. The crop was immense, and ears large and solid. A corn fair was advertised for July 28, as the corn was then ripe, and there were 80 exhibitors. 36 exhibits were adjudged the Gold Medal, and 60 to 8,000 exhibitors from Florida and the surrounding states came to see it. The only variety exhibited was the IOWA SILVER MINE, and we do not think it is kept fair, with nothing exhibited except corn. Other varieties of corn have been tried in Florida from all parts of the country, but none before ever yielded a paying crop. The crop ranged from 40 to 100 bushels per acre and as they can grow two crops of corn per year on the same ground it was very profitable. Last some of our customers should think it is suited only to the south we call their attention to testimonials on this page from Northern Minnesota. This proves the wonderful adaptability of this corn to any climate.

The best on a 20,000 ACRE FARM.

On this estate, comprising about 22,000 acres, there were grown this year nearly 10,000 acres of corn, including almost all known standard sorts suited to this latitude, and we consider that of the white varieties the Silver Mine is the purest and in all respects the most satisfactory of all.

A. B. BICKETT, Manager, Ford Co., Ill.

My crop of Iowa Silver Mine corn was greatly injured by a storm in July, but still it yielded 86 bushels per acre and 12 ears selected from it, took three first prizes at state fairs. It is a world beater.

F. D. MADDOCK, Champaign Co., Ill.

Your white corn, (Iowa Silver Mine) did splendidly for me. It was planted May 4, and needed the fore part of August. It is better corn even than the Iowa Gold Mine. The ears are large and very solid. I planted four other corn varieties this year, but this took the lead.


The Iowa Silver Mine did very well for me, maturing early, medium size ears and a very good grain, altogether a good corn.

C. B. PECKHAM, Guthrie Co., Iowa.
Iowa Gold Mine Corn

THE BEST VARIETY OF YELLOW CORN IN THE WORLD

Everyone who has tried it is enthusiastic in the praise of this splendid new variety which we introduced in Iowa this year. It is a gold mining state, but in this group, new variety farmers of this country will find a veritable mine of wealth. It has received the most cordial endorsement as the best, and most productive maize ever grown. It is early, ripening only a few days later than Pride of the North; ears are not large, but 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. Twenty 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 thirty-five to forty-four pounds of shelled corn and twenty pounds of cobs to the bushel. This is an unparalleled record. It cannot be equaled by any other corn in the world. Thousands of our customers say that they consider it the best ultra corn; that it would be impossible to attain any nearer perfection. It matures perfectly up to the extreme northern tier of counties in Iowa. We can most confidently recommend it as the acme of perfection and stake our reputation on its pleasing everyone who tries it. 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 336 bushels. Just think of it—a gain of 32 bushels to the bu! Remember, if you want pure Iowa Gold Mine corn you must purchase it direct from us. If you purchase from your local dealer, insist on seeing the gold coin, as every seed is a pure seed. Iowa Seed Company. It will pay you to change your seed, and don’t fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Notice our low prices this year. Per large package, 50, 1 lb. 35c, 3 lbs. 50c, postpaid. By freight, per pt. 50c, bu. $1.25, 2 bu. or more at $1.00 per bu.

LEGAL TENDER.—With the exception of our Iowa Gold Mine Corn, we consider the Legal Tender the best variety of yellow dent corn for Iowa, Illinois, Nebraska, and the north. It is the result of about ten years’ selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is very productive, of uniform pure yellow color, ear very large and long and a deep grain on a small cob, while the stalk does not grow too large. The introduction says: "Our ideal ears are two-thirds as large around as it is long, containing sixteen to twenty rows, and small shanks. The kernels are deep, the cob small at the butt and the ear holds its bigness toward the point until after 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 crooked. It matures in about 100 days, but we do not recommend it for the extreme northern portion of this state. Per peck 80c—bu. $1.25; 2 bushels or more, @ $1.00.

STAR LEAMING.—The Leaming corn, which originated with Mr. Leaming of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we have refrained from giving it our endorsement. A few years ago we found an extra nice lot in the hands of an enterprising Iowa farmer, who had been selecting it for many years. We were greatly pleased with it, but were not willing to offer it to our customers without still further selection. We now have a corn which is a great improvement on the Leaming, but it retains all the valuable characteristics of that variety, so that instead of giving it a new name, we call it Star Leaming to distinguish it from other strains. It will ripen in 100 days, has medium size ears, grains of a good color, and rich golden yellow color. It is very productive, and we are sure will please our customers. It can only be obtained by ordering direct from us. Per peck 80c—bu. $1.25; 2 bushels or more @ $1.00.

TRIAL PACKETS: LARGE PACKAGES OF ANY OF THE VARIETIES OF FIELD CORN AT FIVE (5) CENTS EACH.
EARLY LONGFELLOW DENT.—(See cut No. 5.) 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 with much larger ear. He succeeded so well that 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 its name. We recommend it highly to our many customers in northern Iowa and Minnesota as the best early corn offered. The grower who has had it for several years claims 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, kernel rather shallow. Per pk. 50c, bu. $1.50, 2 bu. or more @ $1.25.

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. In some of the wild and uncultivated parts of Mexico the primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes and attracts great attention wherever seen. Some stalks bear as many as twenty ears. Large pkt. 50c, lb. 50c, postpaid.

HICKORY KING.—A white field corn, which has the largest grains, with the smallest cob, of any white corn ever introduced. So large are the grains and so extremely small the cob that on an ear broken in half a single grain will almost completely cover the cob section. Of strong vigorous growth, and yields splendid crops on light soil, and is one of the most productive white field corns for the south. We do not, however, consider it a safe crop for this state. Per pk. 50c, bu. $2.00, 2 bu. or more @ $1.75.

IOWA YELLOW DENT.—We always advise farmers to buy the best named varieties in buying seed corn, and believe them to be distinctly worthy of the attention of our North-eastern farmers. Of very high quality, yields from 30 to 50 bushels per acre, and has been the object of the most practical farmers and corn growers in the state. Color dark red with light colored cap; grain deep and hackled. Ear somewhat above the average size; cob small and tapers out rapidly, so that it has never been caught by frost. We believe it to be a safe corn to plant in any part of Iowa. It shucks readily and the grain is so soft that it makes an excellent corn for feeding, although its color is objectionable for marketing. Our seed has been carefully selected for seed purposes. Per pk. 50c, bu. $1.50, 2 bu. or more @ $1.25.
LINCOLN OATS.—When we introduced these oats to our customers in 1989 they had never been tested in this state, but have done so exceptionally well in Minnesota that we had much faith in them. Seven prizes amounting to $300 were offered for the largest crops grown from one bushel of seed sown, and in our 1994 catalogue we published the list of awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the second prize to an average of 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 exceptionally well. On account of its soft, low, heavy meat and thin hull it is unsuited for feeding and for malting into malt. Our price this year and you should try them. Pounds 25c, 3 lbs. 60c, postpaid. By freight, pk. 40c, bushel $1.00. 2 bushels or 10 bu. 10 bushels or more at $0.90.

GREAT NEW ZEALAND OATS.—This grand new variety was first introduced by us in 1898 and has given remarkably satisfaction, in one instance yielding 102 bushels per acre while other varieties in the same vicinity yielded only 40 to 50 bushels. It averages a trifle higher than other sorts, has very stiff, strong straw, never known to lodge. About one week later in maturity than the common round head oat, thus giving time to harvest the hay crop. They stand out remarkably well, and thus require less seed to the acre and almost entirely free from rust on all kinds of soils. Their only faults is that they are always have been somewhat mixed with round head oats. Peck 40c, bu. $1.00, 3 bu. or more @ 85c, 10 bu. or more @ 75c.

IDEAL BARLEY.—And it is indeed an ideal which will please everyone who tries it. Our cut well illustrates it. The heads are large and well filled with large, plump kernels which not only are not subject to the objectionable long, harsh beards, but also are huskel. Those who have grown it claim that it will produce a very much larger crop than any other variety. It weighs $0.10 lb. It has been grown in Minnesota and is extra choice. Per lb. 25c, 3 lbs. 60c, pk. 50c, bu. $1.00. Ask for prices from our list.

TURKISH RED WINTER WHEAT.—Has proved invincible, every year without exception producing a good paying crop. It is slightly Iron-clad and almost entirely free from rust. Vigorous and early, it is produced entirely through winter. In the most exposed places it has a record of 41 bushels. Produced 38 bushels per acre for us in 1897. The grains are plump and outsize, and it is free from the rust and other diseases which affect the common variety, and is as you can: frost does not hurt it. This barley has remained on land from harvest to harvest, and has produced more than 3 bushels each year. By freight, per pk. 50c, bu. $1.40, 2 bu. or more @ $1.25.

MANSHURY BARLEY.—One of the best six-rowed sorts grown. It is early in ripening; a strong, upright straw, and yields from fifty to seventy bushels to the acre. The heads of this barley are very long, and contain from seventy-five to one hundred great, plump, heavy kernels of grain. Per lb. 25c, 3 lbs. 60c, pk. 40c, bu. $1.25, 2 bu. or more @ $1.00.

JAPANESE BUCKWHEAT.—About a week earlier than Silver Hull, and yields almost as much again. It is equally well adapted to our climate and is more productive than any other buckwheat, while it is much more productive than any other variety. As the straw is much heavier and it branches more, it does not need to be sown as thickly as the other kinds. Per lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 40c. 100 lbs. 25c, equals $0.04 per bushel.

SILVER HULL BUCKWHEAT.—A very good and sure crop. Per lb. 25c, 3 lbs. 60c. Grain is of a light gray color, is rounder than the common variety, has a much bigger husk and stock, and makes a stronger head. By freight, per pk. 50c, bu. $1.50, 2 bu. or more @ $1.35.

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 cured, while the grain is of equal quality. Per lb. 25c, pk. 50c, bu. $1.50, 2 bu. or more @ $1.35.

WINTER RYE.—Our seed is choice and sure to satisfy. Per lb. 40c, pk. 50c, bu. or more @ 85c.

FIELD PEAS.—One of the most satisfactory for forage, as it makes a good winter crop and especially for hogs. Also profitable for marketing as dry or split peas. For two bu. to the acre or with oats, one bu. of each. Scotch Beamt.—Smooth, blue field peas: very productive. Per lb. 60c, bu. $1.50, 2 bu. or more @ $1.25.

Blue or Green.—Like above except color. Per lb. 65c, bu. $1.40, 2 bu. or more @ $1.35.

VELVET CHAFF.—Seed of a hardy and vigorous variety. Per lb. 25c, 3 lbs. 60c, equals $0.04 per bushel.
KAFFIR CORN.—An excellent fodder plant, yielding two crops of fodder during one growing season. Grows four to eight times as high as the ordinary corn, and is eternally broadcast, about five to thirty bushels to the acre and as easily grown as other corns. When roasted and ground it closely resembles coffee and tastes quite similar. It is also a valuable crop for fattening stock, and adds greatly to the milk production. Claimed to be as rich in protein as the ordinary corn, and grows on the dullest soil. If grown in warm climates, it will produce four or five crops a year, but three is a good average. Per pkt. 5c, 1b, 30c. By express, 5b, or more @ 5c per lb.

AMBER SUGAR CANE.—The earliest sort and makes the finest quality of amber sugar, and is a good seed cane. Succeeds best when the seed is carefully selected and of superior value. Per lb. 25c, 3 lbs. 60c, 10 lbs. or more by express, 5c per lb. 100 lbs. $1.00.

FOOD CANE.—When sown broadcast this makes one of the most valuable crops for feeding cattle, and we are tempted to call it the most valuable sugar cane in existence. Every dairy farmer should put in a few acres. Sow 40 lbs. per acre. Ten pounds or more at 4c per lb. 100 lbs. $1.50.

PROLIFIC TREE BEANS.—Quite a valuable variety for field culture, grows about 20 inches high, and as prolific as any variety. These are being grown extensively in the West, where they are perfectly hardy. Per pkt. 5c, 1b, 30c, q1, 40c, postpaid. By freight, per pkt. 75c, bu. 27c.

MAMMOTH WHITE FRENCH ARTICHOKE.—Claimed to be an improvement on the French. The greatest hay food known. These are attracting much attention on account of their food value and productivity. Great productiveness over one thousand bushels having been grown on one acre, and ease with which they can be grown. They can be dug in the fall; the roots should be turned on the surface of the ground, and will help themselves by rooting for them. One acre can keep from thirty to fifty head in fine condition from October to April, except when the ground is frozen too close to root. These should be said to be a preventive of cholera and other diseases, and are also highly recommended for which reason they are raised. Sow 25 lbs. per acre. Per pkt. 5c, 1b, 30c, q1, 40c, postpaid. By freight, per pkt. 75c, bu. 27c.

DWARF ESSEX RAPE.—A forage plant of great merit. Easily grown in any part of the United States on any land that will take 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 land 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 25 lambs for two and one-half months. It does better when sown broadcast, about five pounds to the acre, but will also grow well in rows 2 inches apart and cultivated with a plow, and a foot of good food is without rival in cheapness. It will keep a long time in early winter if cut and put in heaps like shocks of hay. Large pkt. 5c, 1b, 35c. Sow June 15th, 20c. By express, 5b, or more @ 5c per lb.

SOYA BEANS.—(Coffee Berry.) During recent years this variety has been largely sold under the name of German Hull-less Barley at extremely high prices, and we prefer to call it under its correct name. The beans ripen in about four months from time of planting and produce a crop of twenty to thirty bushels to the acre and as easily grown as other beans. When roasted and ground it closely resembles coffee and tastes quite similar. It is also a valuable crop for fattening stock, and adds greatly to the milk production. Claimed to be as rich in protein as the ordinary corn, and grows on the dullest soil. If grown in warm climates, it will produce four or five crops a year, but three is a good average. Per pkt. 5c, 1b, 30c, q1, 40c, postpaid. By freight, per pkt. 75c, bu. 27c.

TREE AND HEDGE SEEDS.—As the tree seedlings make but a small growth the first season, it is best to plant in rows or beds and transplant to permanent places the second or third year. It is well to protect the first winter with straw or hay. Postage prepaid except on the five pound rate, at which purchaser pays the charge. Packets of any at 5e each.

American White Ash.—4 lb. 15c, 1b. 50c, 5 lbs. or more @ 25c.

Box Elder.—4 lb. 15c, 1b. 50c, 5 lbs. or more @ 25c.

Spicis or Hardy Catalpa.—Oz. 10c, 1b. 25c, 1b. 80c, 5 lbs. or more @ 25c.

Honey Locust.—4 lb. 20c, 1b. 50c, 5 lbs. or more @ 25c.

Black Locust.—4 lb. 20c, 1b. 50c, 5 lbs. or more @ 25c.

Russian Mulberry.—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 north-west. Oz. 20c, 1b. 60c, 5 lbs. $2.00.

Osage Orange.—Makes a handsome and durable hedge. Oz. 10c, 1b. 50c, 5 lbs. or more @ 25c.

Tree of Heaven.—Of rapid growth and tropical appearance. Oz. 10c, 1b. 50c, 1b. 75c.

SUNFLOWER.

MAMMOTH RUSSIAN.—The largest of all sunflowers. This is without doubt one of the best paying crops that can be raised. The seeds are the best source of oil and can be raised at a very great profit (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. Large pkt. 5c, 1b. 35c, 3 lbs. 85c, 5 lbs. or more @ 25c.

BLACK GIANT.—A hairless among sunflowers; seeds black. Quite attractive. Pkt. 5c, oz. 10c.

ARTICHOKE.

R. FLEES, OR OUR BEST ADVISERS.

Your seeds are all right as far as I have tested them. I admire your colors and assisted in 1923 in keeping them bright with success. P. B. BAIRD, Mt. Carmel, III.

The seeds I ordered of you in good time and shape, and I more than pleased with them. E. E. BURNHAM, Washburn, Ill.

I have used your seed for the past three years, and find them superior to any others. F. E. JACOB, Eagle Grove, Iowa.

The clover seed purchased of you last year was the finest seed we have ever bought from any company, and good as the best. M. V. TOOMBS, New Hampton, Mo.

I am happy to say that I have purchased of you last year L. E. ELMER, La Peer, Neb.

We were very pleased with the seed purchased of you last year. E. A. CARRIE, La Peer, Neb.

I have purchased seed of the Iowa Seed Co. for the past three years and they have been good and satisfactory. W. GINGRER, Atlantic, Iowa.
CLOVER SEED.

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 have had the opportunity to inspect our warehouse when we were cleaning clover have often remarked that the seed looked so extra nice they should not reclean it. From these same lots of seed we are now in a hurry for the seed you can order it and we will send seed to full value of money sent, on the day order is received. The following are the prices we are selling at on the date this catalogue goes to press, Dec. 25, 1897. We will furnish 20 lbs. or more at the 100 lb. rate.

**PRICES on clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. Don’t fail to write for prices before buying. 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 the day order is received. The following are the prices we are selling at on the date this catalogue goes to press, Dec. 25, 1897. We will furnish 20 lbs. or more at the 100 lb. rate.**

**KINDS**

**CLOVER. Medium Red, best**..............$0.75
Medium Red, 2d grade..............$0.60
Mammoth Red..........................$0.50
Alfalfa..............................$0.50
Anchusa............................$0.50
Creeping Red Grass..................$0.50
White..................................$0.50
Hairy Vetch..........................$0.50
**TIMOTHY.**

**Kentucky Blue Grass** ..................$0.75
**RED TOP.**

**Red Top**, fancy cleaned..............$0.75
**RED TOP**, coarse cleaned...........$0.75

**ORCHARD GRASS.**

**Millet.** German..................$0.50
Common.............................$0.50
Early Harvest.......................$0.50
Manitou............................$0.50
**HUNGARIAN.**

**Permanent Pasture**, for high land........$0.75
For medium land....................$0.75
For poor, wet land..................$0.75

Two-bushel grain bags to hold seed 15c. each.

**COLLECTION OF CLOVERS.**—For trial, one ounce each of the above seven kinds of clover for 25c. postpaid. One pound of each kind by express, $1.00.

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**A PRICE LIST of Clover and Grass Seeds is published every week from January until July, which contains descriptions of all kinds of clover and grass seeds and much information as to value to farmers. Ask for a copy of it whenever you wish to purchase.**

**FANCY GRASSES.**

Many of these have great values for ornament or pastures. Ask for descriptive list. Postpaid 10c per lb. extra.

**Rhode Island Bent.**...........$2.00
Meadow Fescue.....................$2.00
Poa Rotalis.........................$2.00
Crested Dogstail...................$2.00
Tall Meadow Fescue..............$2.00
Sweet Vernal.......................$2.00
Sheep’s Fescue.....................$2.00
Creeping Dallis....................$2.00
Wood Meadow........................$2.00

**Alfalfa, or Lucerne Clover.**

Very popular in Southern California and Nevada, and it is especially valuable in all parts of the west, north and south. Under proper management it will yield ten to twelve tons to the acre. All classes of grass are exceedingly 10c. of it. Horses will do more work and keep in finer condition on one or other grass than on every other grass. It makes the largest quantity of the finest manure and butter. The roots are long and strong enough to throw them out in winter. One sowling will produce for five years, and, instead of impoverishing the soil, enriches it. As a fertilizing and land-enriching crop it has no peer. Grows on the thickest sandy soil and thrives in the greatest drought. The best method is to now broadcast about 10 or 20 lbs. to the acre. Comes up very slowly and it is necessary to mow the weeds together and burn, but when once established the weeds will be smothered. Postpaid, per lb. 25c, 3 lbs. 65c, by freight, $1.25 per.

**Central Park Lawn Grass.**

There is no question but that a nice velvety lawn adds more to the beauty of a place than any other adornment. How often a home costing several thousand dollars is preserved and the planning and grading of the grounds is turned over to some ignorant but pretentious laborer who installs to make hay. As a result the beauty of the place is forever marred. Here is an opportunity to display as much taste and art as in the construction of the dwelling itself. In fact, everyone has noticed how even a modest house often shines like a jewel when tastefully set in proper surroundings. Do not spend money in sodding a lawn, for it is expensive and is seldom satisfactory. When sod is cut from the field, it is a side or off the walk. It is poisonous in quality and full of weeds, and when unevenly laid produces a rough surface that disfigures the lawn. Our Central Park Lawn Grass seed is a mixture of about a dozen varieties of grass which our years of study and experiment have proven to be best adapted to growing together. This mixture is made up of ourselves from new crop, reclined pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. It cannot be excelled for producing a rich, velvety lawn of beautiful dark green color. The grasses are selected so that from the earliest spring through the hot summer months until winter it will keep its rich, green carpet effect. By the use of this, our best mixture, your lawn will always look well.

Our circular, How to Make a Lawn sent free to any customer on request. Our lawn grass seed is also desirable for making an old lawn look fresh and bright. It will cover 500 to 700 square feet. Per qt. 20c, 3 lbs. 50c, bu. of 15 lbs. $2.25, 5 bu. $10.00.

**Shady Lawn Mixture.**—For shady places. Qt. 25c, 5 qts. $1.00.

**Turf Lawn Mixture.**—For terraces or hill sides. Qt. 25c, 5 qts. $1.00.

If to be sent by mail add 10c per quart for postage.

**KENTUCKY BLUE GRASS.**—Some of our customers prefer the pure Blue Grass for their lawns and parks. Per lb. 20c, 3 lbs. 50c, bu. $2.00.

**IF BY MAIL add 10c per lb. postage.**

FARM SEED NOVELTIES.

IDAHO COFFEE PEA.

(Glor Aretinum.)

A grand novelty never before offered by any seed firm and is sure to be popular. The seed is very peculiar, unlike anything you ever saw, not at all resembling the Coffee Berry listed on page 27. It is a native of Idaho and has been grown in many of the western states. In Colorado last year it was grown largely as a substitute for coffee producing an immense crop at a cost of about 50 cents per 100 lbs. It is easily cultivated and one plant produces sometimes as high as 1,000 pods. When roasted and ground it makes an excellent substitute for coffee, having a good flavor, and it will make a profitable crop as soon as the seed becomes cheap enough so that it can be planted largely. The U.S. imports about 69,000,000 worth of coffee every year an amount well worth saving to our people. It is specially adapted to arid regions, apparently gathering sufficient moisture from the atmosphere. A small amount of seed is sufficient as it does best planted in rows three feet apart, dropping one pea per fifteen inches. It will grow almost anywhere, frost and wind seem to have little effect on it and it is said that insects do not bother it. Can be cooked like ordinary garden peas and tastes equally good. Also makes a very delicious soup. If cut green it makes an excellent fodder plant which is nourishing and fattening and it yields an immense fodder crop. Don't fail to try this year even if you purchase only a small quantity. Per pkt. 10c, oz. 15c, lb. 50c, $1.25 postpaid.

I raised a large crop of the Idaho Coffee Peas this year and have been experimenting in feeding them to stock, beginning when plants are small and continuing until crops ripe. Everything enters into and my hogs which were fed on them are very fat. I intend to devote second crop to them. H. T. MILLER, Colorado.

F. Bartleson, of Kansas, says: "The Idaho Coffee Pea yields 12 to 16 bushels per acre and when bronzed and ground we find it a most excellent substitute for coffee."

WHAT OUR POSTMASTER SAYS.

Des Moines, Ia., Dec. 18, 97.

To whom it may concern:

I have known the proprietors of the Iowa Seed Co. for many years and can recommend them as trustworthy, energetic business men. They are shipping thousands of packages to all parts of the U. S. and we have no complaint from our customers. Respectfully,

EDW. H. HUNTER, P. M.

IDAHO COFFEE PEAS.

NEW ERA COW PEAS.

Another great novelty which has never before been offered and it will prove a boon to northern farmers. We have a trip last year through California or the southern states and found that everywhere they were planting cow peas and considered them one of their most profitable crops, as they yield immensely and are largely used as a green summer feed and also for planting in corn and other crops to improve the land under as a fertilizer. All their varieties, however, are too late for the north, but after considerable inquiry we found a small lot of a new variety that had never been disseminated, producing about three crops per year in Georgia and maturing in 60 days from time of planting. It was tested in this latitude and in Minnesota and gave excellent results, producing well, and proved to be all right as to season of maturing. It has a speckled, bluish gray, rather small seed but the pods are long and well filled. Is of upright branching growth, and peculiar foliage. On the Georgia Experiment farm they produced over 12½ bushels of green fodder per acre and 4½ bushels of hulled peas. They are a great soil invigorator, as like clover they take most of their substance from the air. Farmers should give them a trial and we are sure they will be pleased. Per pkt. 5c. 1½ lb. 25c, 1 lb. $1.25 postpaid. By freight, pkt. $1.00, bu. $4.00.

Every Farmer

In the United States from New England to California and from the Canadian line to the Gulf of Mexico should plant

IOWA SILVER MINE CORN

This year. Notice testimonials. It succeeds everywhere. See pages 23 and 24. It is the best quality and largest yielding sort in the world.

SPLITZ.

A most wonderful new grain which we offered last year for the first time, and we consider ourselves fortunate to be the first to introduce a grain which, we believe, will prove of so much value. For centuries past it has been grown in a limited way in Eastern Russia near the Caspian Sea, its value not being known to the agriculturalists of the civilized world. Seven years ago an emigrant from there brought some to this country and has been growing it since. A prosperous American farmer who lives near him secured sufficient seed from him to sow five acres three years ago and was surprised at the large crop. Last year again it produced a large crop yielding more than barley or oats. He says that under the same circumstances it will produce as much as barley. He has been feeding the grain quite extensively, having no thought of offering it for seed, so that we were able to obtain only a small quantity. Our illustration which represents one head shows somewhat the shape of the grain which is intermediate between wheat and barley, the spikelets being separated from each other in such a manner that the crop is not readily injured by the weather. The chief adheres to the grain when threshed. We believe it will prove of much value for milking as well as for feeding. Will grow well and produce immense crops on poor soil, and the dry weather appears to have no effect on it. Botanically it is known as Triticum Spelta and is supposed to be the grain in the time of Moses. We can only offer it in small quantities but it will pay farmers to test it this year. Per large pkt. 10c, 1 lb. 40c, 3 lbs. $1.00, by mail, postpaid. By freight per pk. $1.00, bushel $3.00.
VEGETABLE NOVELTIES.

On the pink pages of this book we describe many choice novelties and some of the newer standard sorts to which we desire to call special attention.

NEW WASHINGTON WAKEFIELD CABBAGE.

For many years the Jersey Wakefield cabbage has been the most prominent early sort with market gardeners, and many attempts have been made to improve 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 the name it bears. It is a leader and First in Head! First in Market and 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. 5c, oz. 25c; ½ lb. 80c; lb. $2.50.

IMPROVED DANISH BALLHEAD CABBAGE.

This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other ports. It will stand long journeys and keep far into the spring, and is of most rich and mild taste. Heads round as a ball, of good size, solid and very fine grained. Has but few outer leaves, thus admitting of close planting. Medium size and hardest of all tender and crisp with but little waste heart. Flavor excellent. Pkt. 5c, oz. 35c; ½ lb. 80c; lb. $2.65.

HONOR BRIGHT TOMATO.

A splendid new variety of unusual value. One of its most striking characteristics is the singular color changes the fruit undergoes during its development. It is first a light green color, then turns to a striking waxy white, next lemon and finally to rich bright red. Another characteristic is its long-keeping power, which makes it especially valuable for shipping long distances. It has peculiar greenish yellow foliage. It is almost proof against cracking of skin after heavy rains. The fruit is of good size, very solid, the vines vigorous and very productive, and the tomatoes of excellent quality. Pkt. 10c, oz. 50c.

ITALIAN MIXED TOMATO.

Last year we purchased from a leading seed firm in Italy an assortment of tomato seeds including all varieties known in Europe. In our test there seemed to be a almost limitless variation as to color, shape and size, including at least a great many never before seen ranging from white through all shades of yellow and pink to dark red and purple. Most of the varieties were of most excellent quality while a few were inferior. The field was a constant daily surprise and pleasure which we wish to share with our customers. Per pkt. 5c, oz. 25c.

CRIMSON CURRANT TOMATO.

A most charming little fruit which belongs to the Tomato family, but it differs essentially in character of foliage from the ordinary sorts as well as in the fruit. The fruit is quite small hardly more than half an inch in diameter, of bright crimson color and borne in long single or compound clusters containing twenty to sixty berries or tomatoes. It is a very ornamental and attractive plant, and produces fruit early which is most acceptable quality for eating from the hand. They are greatly lifted when preserved orspiced for winter use, and make an attractive dish for the table. Pkt. 10c. oz. 40c.

CANARY ISLAND ONION.

A very handsome variety of onion which we have imported from the Canary Islands. It is of small to medium size, flat and ranges from white to dark pink in color. It is extremely early, maturing neat, handsome bulbs long before other sorts. Pkt. 5c, oz. 25c.

BLACK QUEEN BEET.

A splendid half-long blood beet of the finest table quality with beautiful dark blood-red foliage, thus combining the useful and ornamental. Pkt. 10c. oz. 25c.
MOUGRI.

A wonderful vegetable from the Island of Java, which is greatly liked by the natives, has been tried in Europe and we introduced it to our customers last year. The dry season was much against it and still it pleased our patrons and produced long pods. It is a great curiosity and when once seen it will never be forgotten. The plant grows to a height of only 18 to 20 inches, but the great oddity of it is that the pods are very long, sometimes two or three feet, much longer in fact than the plant itself. The plant is of the easiest culture and may be sown early and transplanted when well started two to three feet apart each way. The pods are very curious, attaining an immense size in a wonderfully short time, sometimes growing as much as six inches in a night. The pods are solid, crisp and tender, and for a very few cents can be eaten on the table in the same way as roots of the common radish, which they greatly resemble in taste, but are far superior to in delicacy of flavor. In salads they will be highly esteemed. They make a good pickle and are well adapted for this purpose. It is, however, when the pods are boiled that they are most delicious eating, like the most tender, and most agreeable flavor. They should be served on toast with a cream dressing and will form a very agreeable addition and novelty for the table. Don't fail to try lb. Pak of 25 seeds, 15c.

GIANT GRAY SUGAR PEAS.

A great novelty which we purchased last year from one of our customers who obtained it from a private family in Hawaii. They grow to medium height and should be cut when they are quite small to obtain the best results. They produce an immense crop of large flat pods which are unusually tender and sweet. The peas should not be shelled but the pods should be cut into pieces about an inch long and boiled. With the addition of a little milk and butter they make a truly delicious dish. The Cleveland Seed Co., who are the largest growers of peas in the United States, wrote us: "We consider your new Sugar Peas a decided improvement over any other gray seeded peas that we have ever grown and they are especially pure. They yielded very well. Another expert pea grower says: "Your new Sugar Peas are certainly different from anything we have ever seen in this line." If you enjoy a delicate table luxury don't fail to give them a trial. Stock is so small that this year we can only offer them in packets of ten seeds for 1c.

MCOTTER'S PRIDE MUSKMELON.

This variety is the result of long continued skillful breeding and selection with the purpose of securing a very large melon of spherical shape, with flesh of fine grain and high quality. The effort has been most successful, and we send out this variety with confidence that it will please all who plant it. The fruit is very large and round, even and moderately ribbed, dark green in color, partially covered with gray netting. The orange red flesh is smooth, thick, sweet, and of fine flavor. We earnestly urge all lovers of good melons to try this splendid new sort. Per pkt. 1c, oz. 25c, lb. 40c, h. b. 1.75.

EMERALD CUCUMBER.

A new variety from Ohio which retains every good point in the best strains of White Spine, and in addition possesses that rich dark green color which has so long been sought for but never before obtained. It is distinctly an evergreen, retaining its color until fully ripe. On slight its distinct dark green and spineless skin attracts the attention and admiration of everyone interested in fruits of most desirable quality. The flesh being peculiarly crisp and tender, and the flavor delicate, highly recommend it as a slicer. The cucumbers are of large size, the flavor being dark green and crisp and tender, and make an excellent pickle, and when ripe none equal it for making sweet pickles. Pkt. 1c. 3 for 25c.

SCARLET KASHMYR TURNIP.

This new extra early, bright scarlet turnip has a striking resemblance to a large radish, being round and uniform in shape. The flesh is as white and green as a radish, and of most excellent cooking qualities. It matures almost as quickly as the earliest radish, being far ahead in this respect of any other turnips, and when cooked is unsurpassed quality. Also a good keeper, and with its beautiful scarlet color, early maturity and fine quality, it is entitled to a place among our garden favorites, and will please everyone who give it a trial. Per pkt. 1c, oz. 2c, lb. 40c, h. b. 1.75.

NEW ROSE TURNIP RADISH.

There is a greater variety of color in radishes than in any other root crop grown, but a rose color is, indeed, an acquisition. This is one of the best radishes we have ever seen, is novel, useful, and beautiful. It is similar to the round, forcing varieties in shape and size, and has every feature of good selection, such as a small, compact top and a miniature root. It is very early requiring only six weeks from sowing. It makes a good table radish and remains in good condition for ten days, even in a trying season. But, undoubtedly, its chief charm is in its color, which is a soft rose pink. A most attractive radish in the bunch, and on the table. Per pkt. 1c, oz. 2c, lb. 40c, h. b. 1.75.

CHINA GLOBE RADISH.

An exceedingly handsome new variety which will prove to be popular. It is of medium size, bright scarlet color and globe shape. It grows very rapidly being almost as early as the early forcing sorts and it holds its size and superior for quality throughout the summer. The flesh is pure white, crisp, brittle, and of a most agreeable flavor. When sown late they make an excellent winter sort and keep well. Crop of seed very short this year. Per pkt. 1c, oz. 2c.
APPLE PIE MELON.

A novelty which will be appreciated in many sections of the country and especially so during seasons when apples are scarce or high in price. They are easily grown on any good soil, but like all rich. The vine is vigorous growing and produces 4 to 8 large, oblong fruits weighing 25 to 50 lbs. each, of dark green color and greatly resembling watermelons. The flesh is white, solid throughout, and of excellent quality for making pies, sauce, preserves, etc., greatly resembling apples in taste. They will keep all winter in a dry, frost-proof cellar and can be used at any time. The easefulness of the fruit will be appreciated when it is understood that one vine will produce 200 lbs. or equal to about four bushels of apples. Don't fail to try them. Per packet of 10 seeds 10c.

ORANGE WATERMELON.

Everyone knows what a bother watermelon rinds are on the table, and were it not for this trouble, the watermelon would be still more popular as a dessert fruit. This difficulty is now overcome, and the Orange will make the handsomest ornament ever set on the festive board, and will attract universal attention. The novelty of this melon is that the rind naturally separates from the flesh when ripe, and with the slight use of a knife between the segments can be removed like the rind of an orange, leaving a most beautiful fruit for the center of the table. The illustration shown herewith was made from an average size twelve pound melon and well shows the shape and peculiar manner of separation. Quality excellent, tender, juicy and sweet. We want everyone to try it, therefore have made prices low. Per pkt. 5c, oz. 10c, lb. 60c, lb. 3.50.

NEW MIGNONETTE LETTUCE.

A most unique and attractive new sort. The entire plant measures only seven inches in diameter, and is more solid and compact than any other existing variety. The outer leaves are few, and these cling so closely to the head that it is almost true to say it is all head. The small surface of the leaves which are separated from the head is deeply crumpled as in a Savoy cabbage, and richly colored with russet red and bronze green of varying shades. The plant is distinct, not only in its substance, but also in color. The heart is a charming combination of a creamy yellow waved with pale greenish white. It is very hardy, resisting drought and excessive moisture with equal success—a most valuable feature in climate. It is for use early which, combined with its long standing character, constitutes it an all-seasons variety in the superlative degree. Per pkt. 10c, oz. 25c.

NEW IDEAL MAMMOTH RHUBARB.

The rhubarb (or pie plant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About twenty-five years ago Dr. Kennicott, of Illinois, in growing roots from seed found one which was so far superior to and different from all others, that he saved it carefully, and the root has been divided and propagated from year to year until finally we purchased the stock. Like all other highly improved species it is a very exquisite and comes coming that they made more money from a crop of these grown early in the hot beds than from and others, the Victor, and quality as they sell very well. It is excellently well adapted to glasshouses, yielding a continual daily picking of large, perfect shaped fruits, eight to twelve inches long, almost perfect throughout. Excellent for slicing, solid and crisp. With outdoor culture the summer it produces large cumbrous fifteen to eighteen inches in length with very few seeds. Seed will always be expensive, as it produces only eight to twelve pounds to the acre, while the White Spine and the other common sorts produce 25 to 50 lbs. In packets only, containing twenty seeds each. Per pkt. 10c, 50c.

WONDERFUL IDAHO PEAS.

The greatest novelty of the season. Distinct and different in every respect from anything ever before sent out. You must have at least a trial packet. See description on page 25. Price per pkt. 10c, oz. 15c.
AFRICAN WATER LILIES.

Nothing in the floral world has created so much interest among lovers of rare plants as these gorgeous red, white and blue Water Lilies, and when it becomes generally known how easily they can be grown, everybody who loves choice flowers and can have a tank or tub of water will have them. Although they are natives of tropical Africa, they can be easily grown in the open air in any part of the United States, flowering freely for several months the first year from seeds. We send full directions for starting seed and growing plants with each packet. They are easily grown and bloom in three or four months from time of sowing seed. For persons who have no pond, half a barrel sunk in the ground is a place to grow them in. We can furnish either the red, white or blue varieties at 10 cts. per pkt. One packet each of the three colors for $2.50.

NEW IMPERIAL JAPANESE MORNING GLORIES.

Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong, robust growth, the vines grow quickly to a height of twelve to twenty feet. The flowers are of gigantic size sometimes measuring 4 to 5 inches across. The colors of the flowers, shadings and markings are really wonders of nature, of such incomparable beauty that descriptions are inadequate. Some flowers are of deep, rich velvety tones, others more daintily tinted and shaded than an artist’s brush could portray. The colors range through reds from soft rose to crimson, bronze and garnet maroon; from daintiest light blue to ultramarine and indigo and blackish purple; from snow white to cream and silvery gray; some are striped, starred and spotted. Pinch back the vines so as to let them grow only 4 to 6 feet high and they will produce more flowers.

WATER LILIES.

The handsomest flower in the entire catalogue. The following illustration represents a single stem, showing how loaded the plants are with flowers. The name American Banner was given it because it is the only flower we know of that combines the national colors, red, white and blue, in each flower. Plants grow to a height of about two feet, of good, regular shape, with delicate, fern-like foliage, a vigorous grower, and is not injured by dry weather. The plants are fairly loaded with long-spurred flowers, striped and blotched flats or rosettes. All shades of pink, carmine, dark blue, purple and white, delicately and beautifully blended, sometimes four or five shades on a single flower. Pkt. 10c.

AMERICAN BANNER LARKSPUR.

NEW IMPERIAL JAP. MORNING GLORY.

One of our own novelties which we introduced to our customers last year, and one of the handsomest flowers that we had ever seen. Produces most exquisite flowers of a beautiful shell pink color. Plant is about 6 inches in height and of the easiest culture, blooming freely from seed in a few weeks. The large flowers are deliciously scented, delicately lacquered and produced profusely on long stems which render them valuable for cutting. It is one of most unique beauty. Per pkt. 10c.

FAIRY ROSES.

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

NEW PINK MARGUERITE CENTAUREA.

One of our own novelties which we introduced to our customers last year, and one of the handsomest flowers that we had ever seen. Produces most exquisite flowers of a beautiful shell pink color. Plant is about 6 inches in height and of the easiest culture, blooming freely from seed in a few weeks. The large flowers are deliciously scented, delicately lacquered and produced profusely on long stems which render them valuable for cutting. It is one of most unique beauty. Per pkt. 10c.

LILIPUT MARIGOLD.—Novelty 1898.—A little beauty and the finest of all the dwarf double flowering sorts. Blooms freely and is "pretty as a picture" as a bedding plant. Pkt. 10c.

GOLDEN BALL ASTER.

Who has not heard of the "Bonnie Blue Bells of Scotland," which have been renowned in poetry and song for centuries past. We have tried for several years past to obtain sufficient seed so that we could offer them to our customers. In the colored illustration the artist has tried to bring out the beauty of the flower, but it was impossible to do it justice. The flowers are bell-shaped and of a bright sky-blue color, from 4 to 10 flowers in a cluster. Might almost be called a Blue Lily of the Valley. It is a perfectly hardy perennial. Pkt. 15c. Plants 25c each.

BLUE SOLANUM.

A most beautiful perennial vine of rapid growth. The handsomely cut foliage makes a beautiful shade for porches or arbors and is also desirable to train along lines, etc. It is covered during the summer months with hundreds of clusters of blue flowers, brightly set off with golden stamens, clusters measuring 15 inches in circumference, and often attaining a length of twelve inches. It is a superior plant of ironclad hardness. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, beautiful flowers and berries and hardness it is difficult to find a more satisfactory climber. Pkt. 10c. Strong one-year-old plants of above $1 each. Dozen 25c.

PINK MARGUERITE CENTAUREA.
ELEGANT PALMS.

These have for centuries been considered exclusively for the rich, the plants usually selling at $10.00 to $100.00 each, and in some cases fine plants of the rare sorts have brought as high as $1,500.00 each. It is now known, however, that they are easily grown from seed, and we have secured a large lot of nice fresh seed for our customers so that we can furnish it at such a low price that everyone could supply themselves with these beautiful and elegant plants. Directions for growing printed on the packet.

LATANIA BORBONICA.—This is the typical palm, and is more largely used than any other. Its strong healthy habit commends it to all, and gives it fitness for window and room culture not possessed in the same degree perhaps by any other. It is the Chinese Fan Palm from which the palm leaf fans of commerce are made. Per pkt. of 4 seeds 10c.

PHOENIX DACTYLIFERA.—A native of northern Africa. This is the palm from which the date of commerce is obtained. Exceedingly beautiful for pot culture and very hardy. Per pkt. of 10 seeds 10c.

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

UMBRELLA PALM (Cyperus).—See description on page 33. Per pkt. of 100 seeds 10c.

A GRAND OFFER.—One pkt. each of the above six varieties for 40c. We furnish plants of the Latanía Palm at 25c each, post-paid. Larger plants 50c to $1.00, each prepaid, not post-paid.

Beautiful Wild Rose.

Iowa's State flower. When properly cultivated makes a handsome shaped bush, covered with beautiful buds and flowers and afterwards with bright red seed balls. Pkt. 10c.

NEW MAMMOTH HELIOTROPE.

No illustration can give an adequate idea of the immense size and rare beauty of the flower heads of this most wonderful new Heliotrope. They range through all shades of violet and blue to deep indigo, are produced by the lower heads almost white, which are more than twice the size of the old varieties, many of the heads measuring (when fully expanded) 10 to 12 inches across. The fragrance is simply lovely. Easily grown from seed which should be started early in the house, and from a single packet a large number of strong, healthy plants are produced which would cost 10 to 25c each at the florists.

ROYAL MIXED ASTER.

The Aster is a specialty with us and we consider it one of the most satisfactory flowers for general cultivation. There are many hundreds of varieties, but we consider it unnecessary to list them all. Our Royal Mixtures consists of all the best varieties from all parts of the world, which are suitable for growing together. You will surely be pleased with it. Per pkt. of 100 seeds 10c.

EARLY DAWN COSMOS.

Introduced by us two years ago and it jumped at once into popularity on account of its extreme earliness, coming into bloom in about two months from time of sowing and continuing to be destroyed by frost. The flowers are a little smaller than the late kind. The plants have fine, feathery, light green foliage and delicate rose, pink, white and lilac flowers, which are produced on long stems and are very desirable for bouquets, as they will last a week after cutting. Well worthy of a trial by all who wish to grow a free blooming plant of the easiest culture. Mixed colors, pkt. 10c.

GOLDEN MACHEF

MIGNONETTE.

This charming novelty is identical with the Matchet variety except that it is of a beautiful golden yellow color. Pkt. 5c.

NEW SWEET PEAS.

DAYSBREAK.—In color it has a white ground, with the standard a crimson-scarlet cloud, which shows through in the fine veins and network, giving it a charmingitus. The flowers are a pale crimson edged with bright rose, giving it an appearance somewhat of a red-edged variety. Pkt. 10c.

PINK CUPID.—A lovely little novelty only 1½ inches wide, growing only 6 to 8 inches high spreading into a plant 15 to 18 inches wide and bearing hundreds of beautiful rose pink flowers on strong stems. Pkt. 25c.

NEW BRANCHING ASTER.

One of the best floral novelties and one which every flower lover should try. The flowers are borne on very long stems and are of extraordinary size, being four inches or more in diameter. Mixed colors. Pkt. 10c.

MADAM GUNTER'S HYBRID NASTURTIUMS.

For richness and variety of colors these new hybrids have no equals among nasturtiums. The foliage is mostly dark, contrasting very effectively with the flowers. They are climbers and are free continuous bloomers. Color of flowers is most gorgeous, ranging from white through all shades of pink, red, crimson, salmon, carmine, golden yellow to the deepest brown and maroon—nearly black all striped, shaded and blotched in an indescribable manner. Pkt. 10c.

NEW BRANCHING ASTER.

One of the best floral novelties and one which every flower lover should try. The flowers are borne on very long stems and are of extraordinary size, being four inches or more in diameter. Mixed colors. Pkt. 10c.
ILLUMINATION CHRYSANTHEMUM.

A grand new variety of most robust, sturdy growth, and claimed to be the best white yet introduced. Plant is great, about 2 to 2 1/2 feet high, branching so as to make a perfect shaped bush, covered with a great number of beautiful snow-white flowers which are so full and deep as to be almost perfect balls. Our illustration shows form of flowers and petals. It blooms at mid-season and is of excellent substance and therefore keeps well both on the plant and after cutting. Everyone who loves flowers should have one of these magnificent new plants. Each 80c.

IMPERIAL LANTANAS.

These might well be called bush or shrub Verbenas as they have a flower somewhat resembling the Verbena, borne on a woody, bush shaped plant. Its brilliant colors, robust growth, and protuse blooming habits render it one of the finest bedding plants that grow. The flowers embrace all the most delicate shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another, as they increase in age and develop. The ever changing colors make the plant of special interest, and a few specimens will add greatly to the attractiveness of any bed. They do well when grown in pots and may be trained in almost any desired form. They are easily wintered in any light, dry cellar. Our collection contains all the best varieties and we have made the price very low so that all could try them. Each 10c, six plants all different for 50c.

HAYWEE GIANT COLEUS.

Our colored illustration gives but a faint idea of the surpassing beauty of this new coleus. It is a seeding of green which has attracted much attention in the greenhouse and on the seed farm, and brought out many exclamations of wonder from our customers. The leaves are of immense size. They are beautifully curried and serrated and the color is royally rich and brilliant. Each 10c, dozen 75c.

PARROT’S FEATHER.

An aquatic hanging plant is a novelty indeed, and we have it to perfection in this dainty little Jewel. Its long trailing stems are clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, but more delicate. Planted in water-tight hanging basket, will trail finely. Each 10c.

CALIFORNIA VIOLET.

The plant is a robust grower with dense, heavy foliage, entirely free from disease. Flowers large, single, intensely fragrant. Color, a clear, violet purple that does not fade. The flowers are very large and borne on stems ten to twelve inches long, giving them unusual value for cut flowers. Each 10c.

Letters From New Zealand

We receive thousands of testimonials from our customers in all parts of this country and could fill this book with them if necessary. To show how people in other countries like our seeds we publish the following letters which were sent to us voluntarily.

Seeds received from you are in every way satisfactory. Quite a wonder here in New Zealand ordering next year. E. B. MILL, Raglan, N. Z.

We received from you did very well. The cabbage were the best that I ever had. JAS. McCABECKY, Te Mata, N. Z.

The seeds from parcel you did very well. I never had such vegetable seed before. The cabbage especially was first class. MRS. W. GIBBISON, Kauroa, N. Z.

I am much pleased with your seeds. A. H. COGSWELL, Wanganui, N. Z.

Your Short Stem Drumhead cabbage produces a weight of from 16 to 22 pounds each without the aid of manure. ROBERT TUCKER, W. Z.

The seeds ordered from you last year gave great satisfaction in every respect. Your Snowball Cauliflower is superior to anything heretofore grown. ERNEST C. MOON, Te Uku, N. Z.

INDIA RUBBER TREE.

The large, shining, green leaves endure the dry air of a living room as well or better than any other plant; this is why everybody likes it. Each 25c.

ASPARAGUS PLUMOSUS NANUS.

One of the handsomest of our foliage plants for pot culture, beautiful the year round, and there is no more decorative plant in the entire list. Easily grown even in a north window. The leaves are a bright green, are gracefully arched and are as finely woven as the finest linen mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks, hence it ranks as the most valuable plant we have for this purpose, surpassing Malden Half Wax in grace, fineness of texture and richness of color. Price, strong plants, 25c each.

SOLANUM JASMINOIDES GRANDIFLORUM.

Another beautiful plant which is illustrated on cover of this catalogue. It is of trailing or climbing habit, but if desired can be cut back to a bush form. It has star-shaped flowers borne in large clusters or panicles frequently a foot across. They are in color a purewhite with violet tinge on the back, equally a good bloomer in summer and winter, and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of fine panicles of bloom. Each 15c.

“CHANCE” SALVIA.

This most charming new variety is a sport from the sweet flowering Salvia Splendens. The flowers are beautifully striped and mottled with scarlet and white making it very striking and showy, both in the garden and in bouquets. The leaves are also variegated light and dark green. Plant grows in the form of a compact bush about two feet high and blooming profusely throughout the summer, in fact the plant is almost covered with bloom constantly. Salvias are the people’s plant and should be planted by every body as they are of the easiest culture, thrive everywhere, are rosinately in bloom and therefore very desirable for bedding. Set out a few plants of the “Chance” Salvia, and nothing in your garden will attract more attention. Also makes a beautiful plant when grown in pots. Each 15c, $1.40 per dozen.

NEW GOLDEN LEAVED SALVIA.

This new variety is destined to become popular. It is a sport from the well known scarlet Salvia Splendens, differing from that variety in having golden yellow foliage. Its golden yellow foliage and brilliant scarlet flowers make it one of the most attractive plants we know of for bedding. Try it. Each 15c.
This Bouvardia is A BEAUTY. TRY IT.

ALFRED NEUSER BOUVARDIA.

This magnificent and showy plant is the ideal Bouvardia. It is a stout, erect, strong-growing, making charming shaped plants, producing great clusters of the most beautiful, waxy, double pure white flowers, resembling bunches of miniature tuberoses. It blooms well during the summer beginning early in July, but its greatest value is for winter flowering. Some consider it the best of all winter blooming plants. They are quite rare and will attract attention anywhere. Each 3¢.

BEAUTIFUL WILD ROSE.
The wild, wild rose, whose fragrance dear To every breeze is flung, The same wild rose that blossomed here When Iowa was young.—Byron.

Last winter the state legislature adopted the wild rose as the "State Flower of Iowa," and it is indeed a charming flower. It has heretofore been little thought of because like Golden Rod it was common in the fields. Last spring we transplanted a few plants to the garden giving them good culture and were greatly surprised to see what symmetrically shaped little bushes were covered with beautiful flowers. The buds are nicely pointed and a cluster of them makes an elegant corsage bouquet. The flowers are of many shades from pure satiny white through all shades of rose and pink to a deep crimson, and some of them are beautifully striped and penciled; quite fragrant and lasting. Cultivation: hardy. Each 6c.

ROYAL PURPLE STROBILANTHE.
A new house and bedding plant. It forms a compact bush 18 inches high, with leaves 6 to 9 inches long, 3 to 4 inches wide, and of the most intense metallic purple color, shading into light rose. Nothing can equal it. Each 1lc.

ECLIPSE ABUTILON.
A most charming, trailing variety, well shown by our illustration. The foliage is elegantly penciled, marked with dark green and yellow; a fine contrast, while the pendulous bell-shaped flowers are bright yellow with crimson throat. An excellent plant for vases and hanging baskets as well as for rockeries. Each 1lc.

SOUVENIR DE BONN ABUTILON.
A most striking decorative foliage plant, with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Amid these leaves the graceful drooping, orange-colored flowers are produced in great abundance, forming a clear and brilliant contrast. Each 1lc.

Cemetery Plant Collection
This collection is prepared expressly for planting in the cemetery, and will produce a constant show of white flowers throughout the summer and autumn.

One White Heliotrope, 1 Double Feverfew, 1 Lily of the Valley, 1 Forget-Me-Not, 1 Double White Geranium, 1 Achillea Alba, 1 Sweet Alyssum, 1 Myrrhis. Total, 8 plants, 6¢.

METEOR ROSE.
A rich, dark, velvety crimson, ever-blooming rose, as fine in color as the best of the Hybrid Perpetuals; the flowers are of good size, very double and perfect in shape, either as a bush or as a spray, and very free flowering. A splendid sort for pot culture, and the best of all the Hybrid Teas as a bedding variety for summer cut flowers, as it retains its color well, even in the hottest weather. See illustration on back cover of this catalogue. It is the rose for everybody. Each 1lc, dozen 95c.

RAINBOW ROSE.
An elegant striped Tea rose of strong healthy growth and exceedingly free flowering habit. The buds are large on strong stiff stems. Color is a lovely shade of deepest crimson, striped and mottled in a most unique manner with intense crimson, and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet, and of great depth and substance. A most charming variety. Each 1lc.

UMBRELLA PALM.
(Cyperus.)
An ornamental and very striking plant as shown by the cut. It Throws up slender, round stems from two to three feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, giving the plant a most curious appearance. This curious effect is still further heightened when the odd, golden-green, tassel-like flowers appear on the top of the whorls, as shown in the cut. It is an excellent plant for the dining room table; or as a water plant in very moist spots or as in aquariums or fountains. When treated as a pot plant it should have an abundance of water. We sell thousands of these plants to our local customers and they are always satisfactory. Nice plants, 1lc each.
SEED POTATOES.

With no other seed is the importance of change more essential than with the potato. By using our present 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 purposes of order as early as possible, stating whether you desire them shipped by express or freight, and we will ship as soon as the weather permits. We will ship at any time, when requested to do so, regardless of the weather, but customers in this case must take the risk. Prices are subject to any important market changes. All prices named we make no charge for boxes, barrels or drainage. FOUND PRICES.—All varieties 80c per 16.3 lbs. for 75c, postpaid.

EXTRA EARLY OHIO.—(Fancy Northern Grown Stock.) For several years past we have been having these grown in the noted Red River valley, about 480 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. 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. Any variety we have ever had, and our yield other early sorts about two to one. It is a special favorite with the marketmen, and the most profitable potato they can possibly grow. The sprout is very strong. Our growers have found it easy to cultivate, and on account of its early maturity you can get the highest prices and have the land for other crops. The tubers grow compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size; they keep firm until late in the spring. One grower reports that for several years past the yield has been from 300 to 500 bushels per acre. This is our specialty in standard varieties. Don't plant Iowa grown stock when you can obtain these. Per pk. 50c, bu. $1.25, bbl. $3.50.

EARLY OHIO.—Grown in Iowa. Per pk. 50c, bu. $1.25, bbl. $3.50.

MINNESOTA EARLY ROSE.—Superior in earliness and size to the Iowa grown. Per pk. 50c, bu. $1.25, bbl. $5.75.

QUEEN OF THE VALLEY.—(Honey Rose.) A heavy, "flaker of the new breed class of superior table quality. Per pk. 50c, bu. $1.50, bbl. $5.50.

HYBRIDIZED POTATO SEED.—We have a quantity of very choice potato seed from the flower ball (the true seed) which we are pleased to offer 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. The second year they develop their characteristics. Per pk. 10c, bbls. 25c, postpaid.

COLLECTION.—One pound of each of the eleven varieties for $1.00 by express, purchaser to pay charges.

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 with especial care for purposes and cannot fail to please all. So perfect is our manner of packing that there is rarely a complaint, although they are usually considered very perishable by reason of changes in the weather while handling. Our charge for the extra large and productive, of short, "chunky" shape, and of the very best quality. Not stringy, very few small ones. Per pk. 50c, bu. $1.40, bbl. $5.00.

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 early yields productive, of short, "chunky" shape, and of the very best quality. Not stringy, very few small ones. Per pk. 50c, bu. $1.40, bbl. $5.00.

RED JERSEY, RED NANS MEND, WHITE SOUTHERN QUEEN.—We can supply choice seed of these varieties, if ordered by April 5, at 75c per peck. $2.00 per bu, $1.50 per bbl.

CONCAVED AND CURVED SEED POTATO KNIFE.—It is thin and of the right shape to cut two and three-eye pieces fast and not crack the tuber nor injure the gems. Price 50c, each, postpaid.
FLOWER SEEDS.

Our floral beauties come in for their full share of attention, and in fact we have this year given them more time and space than ever before on our grounds. We have in our employ an experienced specialist in this line, and under his 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. Iowa flower seeds are 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 at our catalog and list.

Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of different kinds together, and will yield a better assortment than is commonly found. This year we list all the hardy, brightly-colored Annuals, Biennials, Perennials, Climbers, Everlastings, and Ornamental Grasses, but mention in the description the class they belong to if they are not Annuals. This will make it easier to find any sort named.

The cost of raising the various kinds of flower seeds varies greatly, from such as mignonette, which we can grow a hundred pounds of at comparatively only a few dollars expense, up to double pelomia, 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 or two sized bed of any sort; therefore we have filled our stock 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 $0.90. This discount does not apply to collections of seeds nor to weights by weight or measure.

DIRECTIONS FOR SOWING, ETC.—To ensure success the conditions and requirements of the several species of seed, 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 each packet.

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 seed bed as smooth and fine as possible, sow the seeds in rows, covering such sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbenas, daisy, hollyhock and the fine greenhouse plant seeds, should be sown early in shallow boxes in the house, in some cases in equal parts of fine sand and rich, mellow loam, well mixed together and sifed to remove all gravel and stones. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant into boxes from one to two inches apart, where they are to remain until planted in permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plant.

NOVELTIES.—Many desirable novelties will be found described on the colored pages of this book while others are in their regular order in this department. We have this year carefully revised the various Annuals and mixed them, 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 soil. The price in grass seeds is the same as long grass, and you can plant to permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plant.

ABRONIA. (Frilly Poppy) A very hardy plant introduced from Russia, suitable for border plant. Nucl. Rosa. —Perfectly hardy plants, producing pretty, pinkish, 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.

ABRONIA. - White, fine for cemetery. Pkt. 5c.

ARGEMONE. (Prickly Poppy) Free flowering; flowers somewhat resemble the poppy. The foliage is large, large in form, and of a pleasant light green color. Mixed colors. Pkt. 3c.

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

ASPERSA. - Produces very delicate and handsome flowers in great abundance. Pkt. 5c.

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


BROWN VINE. - A very pretty, rapid growing climber, succeeding best in a warm situation. Pkt. 10c.

BALLOON VINE. - Produces very delicate and handsome flowers in great abundance. Mixed. Pkt. 10c.

ALPINA. - Amongst the earliest blooming plants, and very useful for rock, wall, and edgings. Our flower vine with pretty, double, white flowers. Plant 6 inches high and a hardy perennial. Pkt. 10c.
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 27 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. 10c.

NEW TRIUMPH.—(No. 2.) The most beautiful and most perfect of all double asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from 2½ to 3 inches across. All petals beautifully in-curled; 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 saffron 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; petals pure white, beautifully in-curled and very freely produced, as many as 35 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 Peony 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 ¾ to 4½ inches in diameter, perfectly double, many handsome colors mixed. 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 colors on it. Every one will be pleased with it, and it will always attract great attention. 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 100, 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, for 85c. All kinds mixed. Seeds of most of the varieties in above list. Pkt 10c.

ROYAL MIXED.—A very choice selection made from the best varieties of all the best sorts; none 2d grade. Pkt 10c.

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 2c.

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. These 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 distinctly red and green; well known as “Joseph’s Coat.” Very showy in beds alone. Hardy annual; tall two feet high. Pkt. 5c.

STANLEY.—One of the finest of this showy class of annuals, which produces numerous stalks covered with long, thin petals of crimson flowers. It commences to bloom shortly after sowing and continues to bloom until late in the fall. Height 18 inches. Pkt. 5c.


MIXED VARIETIES.—Pkt. 5c.

CALLIOPSIS.

Many of our most showy flowers are slighted because they are common and grow anywhere with out trouble or care, and are not much liked weeds. One of these is the calliopsis. Were it a new thing just introduced, it would be considered a novelty of rare excellence.

LANZELITIIA, CAESALPINIA, OR COREOPSIS.—One of the most showy hardy perennials grown, forming tall plants two or three feet high, and bearing in great profusion a long period during the summer. Flowers of bright golden-yellow. Unequaled for cutting. Grows anywhere. Pkt. 5c.

GOLDEN WAVE.—Plant very bushy and compact, reaching 18 inches 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.

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

CALEDUNA.

Belongs to the well known marigold family.

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

ORIOLE.—The extra large double flowers are indescribably rich and glowing in tone, of an intense bright golden-yellow, wonderfully free flowering. Pkt. 5c.

FINE MIXED.—Pkt. 5c.

CANDY TUFT.

Considered indispensable for cutting. All the varieties look best in beds or masses; hardy, easy to cultivate, and bloom profusely. Hardy annuals, one foot high.

SNOW QUEEN.—A new variety from southern Europe. Grows rapidly, remaining in full flower for about three months. Pkt. 5c.

BEST MIXED.—A mixture of all varieties. Pkt. 5c., oz. 50c.

CANDY BIRD FLOWER.

One of the most beautiful of climbers, with delicate, finely cut foliage and conspicuous bright yellow flowers resembling the canary bird in shape and color. Pkt. 5c.

CAMPANULA.

CUP AND SAUCER.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, since its name. The plant grows freely, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome. When in flower the blossoms literally hide the plant. Perennial. Pkt. 10c.

CANARY BIRD.

CANDYTUFT.

CANDYTUFT.

Considered indispensable for cutting. All the varieties look best in beds or masses; hardy, easy to cultivate, and bloom profusely. Hardy annuals, one foot high.

SNOW QUEEN.—A new variety from southern Europe. Grows rapidly, remaining in full flower for about three months. Pkt. 5c.

BEST MIXED.—A mixture of all varieties. Pkt. 5c., oz. 50c.
CARNATION.
The finest of the dianthus or pink family; very fragrant. Our seed is unsurpassed.

DOUBLE EXTRA MIXED. The best greenhouse varieties. Pkt. 10c.

MARGUERITE. These lovely fragrant flowers are in full bloom in about three months after sowing the seed. The plants succeed in the garden or in pots, and are usually vigorous, dainty, with a perfect, compact growth that does not split. The range of colors, markings, variegations and shades are simply wonderful. Pkt. 5c.

CALIFORNIA YELLOW BELL.
Bell-shaped flowers of a delicate rich yellow color. Pkt. 5c.

CINERARIA.
As will be seen by the illustration from a single plant, the Cineraria is a wonder for wealth of bloom and symmetry of form. The plants grow perfectly circular in shape and are entirely covered with brilliant blossoms. The rich and vivid colors range through all shades of blue, purple and crimson. Most of the varieties have a well-defined white eye and are unsurpassed for attractiveness. The seed is easily started and plants readily grow in good ordinary soil. Hybrid Large Flowering. Pkt. 15c.

Cassia Chamaecrista.
A pretty little native flower of Iowa often called Partridge Pea. Grows 12 to 18 inches in height, with compound leaves. The flowers are large, of a canary yellow, two of the petals being purple spotted at the base. They are borne on stems from two to five in a cluster, and are produced freely until the frost destroys them. Pkt. 10c.

CONVOLVULUS.
Cobaea Scandens
One of the most magnificent climbers, prized for its rapid growth (often 20 to 30 feet) and the abundance of beautiful blue flowers. The seed should be planted early in moist earth with a pot or box best—after the water has run from the plants. They are two or three inches high. Pkt. 10c. MAJOR—. See Morning Glory.

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. Leafy and pleasant, remain open all day. The plants spread with much regularity in all directions, and a bed of them is a beautiful object throughout the summer. Mixed colors. Pkt. 5c.

COCAINA.
A handsome free flowering little plant, owing to the peculiar form of the flower it is sometimes called Tassel or Flore's Paint Brush. Scarlet. Pkt. 5c.
DAISIES.
Popular perennials, blooming the first year from seed; very handsome, for borders or pots;
BEST DOUBLE MIXED.—Per pkt. 5c.
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 white snow. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Per pkt. 10c.
GIANT SNOWBALL DAISY.
DIANTHUS.
The Dianthus, or Chinese pink has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing an abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. They are quite as pretty for pot plants in the house as carnations. 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.
FIREFLIES.—Very dwarf and compact. Flowers are perfectly double and color a rich, velvety red. Effective for garden bedding or pot culture, and as a cut flower. Pkt. 10c.
HEDgewiG.
CROWN OF PERFECTION.—Flowers averaging six inches in circumference, are densely double and are produced in perfect succession during the whole season. Colors from purest scarlet white to red shades so deep and intensely brilliant that the eye can scarcely perceive in this velvety depth, soft pinks and flesh tints more dainty than blush could lay; and a large proportion of flowers brilliantly phallic with various hues. Pkt. 5c.
SALMON QUEEN.—Its flowers are of a very distinct and perfectly new tint in this class, being of the most brilliant salmon color imaginable. Pkt. 10c.
HEDEDWIG.—Finest selected single mixed. One of the most showy of the pink family. Pkt. 5c.
DOUBLE DIADEM PINK.—Superb large double flower. Helianglymphically marked, like the original Chinese pinks, in the middle down to base of each petal; magnificent and variety. Pkt. 7c.
CHINENSIS. (Double Chinese Pink.)—Finest double mixed. Pkt. 3c.
MOURNING PINK.
LANCINATUS.—Double fringed mixed. Pkt. 3c.
IMPERIALS.—Double imperial pink. Pkt. 3c.
VARIED COLORS.—All colors. Pkt. 3c.

NEW TOM THUMB DAHLIA.

DAHLIA.
The dahlia is well known, but few are aware that if the seed is sown early in the spring it will bloom the first year.
NEW TOM THUMB.—Very pretty little plants, only twelve to fifteen inches high, 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 showy, pretty flowers. 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 variegations. The effect is vivid and striking. Pkt. 10c.
DOUBLE MIXED.—Our seed is of the finest strain, and produces magnificent large, very double flowers of richest shades. Pkt. 5c.
SINGLE MIXED.—Pkt. 5c.

ESCHSCHOLTZIA.
California poppy. Showy summer flowering plants, having sabre-shaped flowers of striking brilliancy in the sunlight. They flower profusely throughout the season.
SINGLE.—Colors. Pkt. 4c.
DOUBLE MIXED.—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c.

FUCHSIA.
REFRACTA ALBA.—Bears regular clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. Some time early, built dry off in summer. Start them growing in the house in October and you will be pleased with them. Easily grown. Pkt. 10c.
DIAMOND FLOWER.
Dainty little annual with tufts of tiny foliage, and beautiful little white blue flowers that bloom within a month from the time of sowing. Three inches tall. Height. Pkt. 5c.
FORGET-ME-NOT.
Nycoetas. Perennials. Bloom the first year from the seed. Pkt. 3c.
ALPESTRIS.—Mixed colors.

PAL USTRIS.—True forget-me-not blue. Pkt. 7c.
VICTORIA.—A novelty and the best variety for pot culture. Dwarf, globular habit, beautiful sky-blue flowers with center double. Pkt. 10c.

FOXGLOVE.
Digitalis. Showy for backgrounds and borders, and are very beautiful when planted among shrubs; will thrive in any ordinary garden soil. Pkt. 3c.

GODETIA.

FOUNTAIN PLANT.
This handsome pyramidal or fountain-shaped plant is a variety of amaranthus 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 bandied and tipped with orange, in rich shades of crimson, purple, crimson and gold, forming bright colored plumes. Pkt. 7c.

NEW LADY SATIN ROSE.—Brilliant deep rose pink, surface shines like satin. Pkt. 3c.
MIXED VARIETIES.—All colors. Pkt. 3c.
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 a 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.

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. The seeds come up irregularly, some come up in a few days and others in many days, perhaps weeks. The plants grow rapidly, and are strong and thrifty. Packages contain about 40 seeds.

ROCKET LARKSPUR, CHOICE SINGLE AND DOUBLE—Seed saved from the best varieties, mixed. Try it. Pkt. 10c.

GLADIOLUS. A well known flower, easily grown from seed, and we should like to have all our customers try raising them in this way. This seed is of our own growing, from the best varieties, and will produce an assortment sure to please any grower of flowers. Bloom the second year from seed. Pkt. 8c.

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

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. Bloom the first year from seed sown in the open ground. Succeeds anywhere. Pkt. 10c.

GOBLET.—Produces enormous flowers 8 to 6 inches across, of soft canary color with a large black center. Pkt. 5c.

HOLLYHOCK. No garden flower is more showy or 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 sinuus or margold. All that is necessary is to start the seeds in a box in the house in February or March. About May 1st transfer to a permanent place in garden where they will produce elegant spikes of flowers. In August and September, and blossom freely the second year since. Our seed is the best obtainable.

GRASS PINKS.

CHATER'S SUPERB MIXED.—An unequaled mixture of seventeen price varieties, including all colors and shades known. Pkt. 10c.

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

GAILARDIA. The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, one to two feet high. Grown in mass they are especially effective; large flowers, two or three inches across, produced from early summer until frost.

PERFECTION MIXED.—An improved sort, producing very double flowers as round as a perfect ball in the most varied and pleasing colors. The flowers are borne on long stems, and when cut will keep for over a week. Pkt. 5c.

HELIOTROPE. A great favorite with all lovers of flowers for their beauty and fragrance; are well suited for borders 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 choice variety. Mixed varieties. Pkt. 5c.

NEW MAMMOTH.—A grand new variety producing immense clusters of flowers. Per pkt. 10c.

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

AMERICAN BANNER.—The handsome flower in the entire catalogue. 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 entirely free from the long spikes of double striped and blotched flowers. Pkt. 10c.

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

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

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

CONOCIFERA.—A magnificently novel plant for 50c. The leaves are about three feet high. The stems of dark purplish mau- ve color. The flowers are five inches long by five inches across the mouth, are formed of two to three flowers growing one within the other, the interiors being contractive French white, contrasting beautifully with the mottled royal purple exteriors. Delightfully fragrant. Pkt. 5c.

NIGHTINGALE.—A very profuse large flowering sort of satiny white, very hand- some. The flowers four or five inches in diameter and 8 to 10 inches long. Pkt. 5c.

DOUBLE VARIETIES MIXED.—Pkt. 5c.

LOBELIA. Handsome trailing plants, profuse bloomers, elegant for baskets, vases and borders. All sorts mixed. Pkt. 10c.

LEMON VERBENA. Everybody knows the Lemon Verbena and all should have a few specimens of it for its fragrant foliage is used in bouquets and floral work. Pkt. 10c.

LANTANA. Greenhouse perennial; makes a fine bedding plant; each grown from seed. Best mixed colors. Pkt. 10c.

MAURANDIA. Delicate climbers for windows or conservatories, or open greenhouse. Admireable to hang from vases, to cover stalls and low trellises, flowering freely: height 6 to 10 feet. Mixed colors. Pkt. 10c.

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

AFRICAN.—Double mixed, largest. Pkt. 2c.

DWARF FRENCH.—Double mixed, best. Pkt. 3c.

LEGION OF HONOR.—Now don't say "It is only a marigold," and pass it by, for this is the prettiest of all, and in fact few flowers are more attractive than that family. It is dwarf, compact and of pyramidal growth, with dark green, fern-like leaves. The blooms are of medium size, rich golden yellow with the center of each petal having a large velvety crimson brown. Per pkt. 5c.

LILIPUT. This new variety is the finest, dwarf double variety in existence and quite desirable for bedding. Pkt. 10c.
Seed Catalogue and Garden Guide.

**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 commence blooming the first of June.

**MILES’ WHITE SPIRAL.**—Grows 2 or 3 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; attracts the attention of everyone. Pkt. 10c.

**MORNING GLORY.**

(Common Name: *Convolvulus Majus*.) 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 marked and incised 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. 5c, oz. 10c.

**IMPERIAL JAPANESE.** Most of the magnificent large flowers of exquisite new colors which are rich and velvety, single and double mixed. Pkt. 8c.

**FINE MIXED.**—A mixture of the old varieties. Pkt. 5c, oz. 10c.

**BRAZILIAN.**—(*Ipomoea Seem.) 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 leafy spread. The density of the shade is remarkable.

**NEW DOUBLE-FLOWERING.**—A splendid novelty of rapid growth, and produces its double flowers very freely. They are white with a slight spot of red or blue at the base of each petal, and the blossoms are large, up to six inches in diameter, and a perfect pyramid. The seeds average about 100 per pkt. 10c.

**WHITE.**—(*Ipomoea Grandiflora*.) 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 color. Pkt. of 10 seeds 2c.

**BLUE FLOWERING.**—(*Ipomoea Lari*)—This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower described above. It blooms and flowers the same. The color is exquisite, clear, satiny blue, with well-defined crimson bars, very variegated. We recommend planting the Blue Moon Flower along with the White one, as the effect will be novel and attractive. Pkt. 10c.

**MOONFLOWER.**

**MOONFLOWER.**
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 cutting bouquets. The following are the best varieties, which all should try:

CLOTH OF GOLD.

Flowers are a clear bright yellow. The plant of dwarf, compact habit, flowers scarlet. Pkt. 7c. oz. 25c.

LADY BIRD.—Of dwarf, neat compact habit of growth. Flowers rich golden yellow, each petal barred with a bright vein of bright red. Pkt. 5c. oz. 35c.

EMPEROR OF INDIA.—Of a very bushy habit, the leaves of a dark purplish blue color marking 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 lower petals bled with purplish carmine and marked with bright carmine veining. Pkt. 5c. oz. 25c.

CHAMELEON.—The flowers of this new Tom Thumb nasturtium are in color crimson, bronze and gold, bordered and fringed, changing in hue almost daily, hence named “Chameleon.” Pkt. 7c. oz. 35c.

PEARL.—A most charming dwarf white variety. Pkt. 5c. oz. 25c.

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

GAY AND FESTIVE.—A new and greatly improved strain of dwarf nasturtiums from California, showing a most charming combination of colors. Flowers unusually large and very brilliant. Every flower lover should plant a bed of these this year. Thirty distinct varieties mixed. Per pkg. 10c. oz. 25c.

IMPERIAL MIXED.—Includes about twenty of the dwarf varieties, selected from both American and foreign growers; this plant in beds produces a mass of color. Pkt. 5c. 35c. oz. 25c.

DWARF VARIETIES MIXED.—Pkt. 3c. oz. 10c.

CLIMBING NASTURTIUMS.

KING OF THE BLACKS.—A very handsome climbing variety with flowers of a very rich dark brown, almost black. Pkt. 5c. oz. 25c.

SPIRIT OF.—A most brilliant new variety of bright cardinal red. A most glowing color. Pkt. 5c. oz. 25c.

MADAM QUINTER’S HYBRIDS.—For richness and great variety of colors this is unsurpassed. Striped, shaded and blotched in an indescribable manner. Pkt. 5c. oz. 25c.

NAPOLEON III.—A beautiful climbing variety, with golden yellow flowers striped with rosy scarlet. Pkt. 5c. oz. 25c.

TALL VARIETIES MIXED.—Pkt. 3c. oz. 10c.

OENOTHERA.

(Evening Primrose.)

An interesting half hardy annual opening its flowers toward evening with a smell that is sure to attract attention, especially of the children. Mixed colors. Pkt. 5c.

PERILLA.

This beautiful leaf of purplish mulberry color, and 18 inches or more in height. Very desirable for the center of a bed of ornamental leaved plants, also for a low screen or hedge. Pkt. 5c.

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. 5c.

NICOTIANA.

PORTULACA.

GRANDIFLORA SINGLE MIXED.—This old favorite is brightest and the most uniformly blooming of all our seeds. A splendid mixture. Pkt. 5c.

DOUBLE MIXED.—Very handsome, double as a rose, and contains a ray of the flowers. Our seed is extra choice and will produce thirty-six to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c.

PETUNIUM.

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 cut below 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 bea-

IOWA SEED CO.’S SINGLE AND DOUBLE PETUNIUMS.

FINE MIXED.—Best of old sorts carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 5c.

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. Its color is odd, comprising a combination of blue and violet and white which is beautiful, very large and showy, of a fuchsia and velvet like appearance. Vines begin to throw out blossoms when one or two feet high, followed in the fall by beautiful golden fruit about the size of a large egg. If left in the open ground in winter it must have some protection. Pkt. 5c.
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. Pansies are a family with us, and we use the greatest care in growing, selecting and importing the best strains of these favorite flowers. Circumventing full directions for growing pansies will be sent free if requested. Packets contain 100 to 250 seeds.

NEW RAINBOW PANSIES. — The best novelty in Pansies for 1898 and certainly the most charming variety ever sent out. We have given it the name New Rainbow and consider it very appropriate owing to its beautiful iridescent colors. Our illustration shows one of the leading types of this mixture by which you will see the various shades of iridescence but no illustration can do justice to its superior beauty. There is almost an endless variety of colors comprising all shades of blue, purple, crimson, brown, white, yellow, pink, red and black, all beautifully marked, striped, veined, blotched and margined. The colors are much more beautiful than any painter could depict. In a good sized bed you could readily find 100 different varieties, but no one can or should try to cover one. The flowers are of large size, and perfect form, nearly circular, and most of them have a very rich velvety appearance. They will both astonish and delight "pansy fanciers." Packet of 100 seeds, 25c.

THE PEACOCK.--This fine new variety has been named the Peacock because the upper petals of the flower most nearly resemble, in color, the peacock tail. The central color is 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. Pkt. 10c.

FIRE KING. —This novelty comes almost absolutely true, scarcely a plant bearing a 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 a bright orange, or really fiery shade, warranting the name of Fire King. Pkt. 10c.

CASSIER'S GIANT ODER. — The flowers, of immense size, are of the popular "giant" type and all five petals are large, the ground 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. 15c.

HIGHLAND. — The most exquisite new variety, grown by a celebrated pansy specialist in Scotland. Their merit consists uniformly of their beautiful color, distinct markings, large size, perfect form and largest size. They are sure to please. Per pkt. 20c.

INTERNATIONAL MIXED. — 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 offers a real opportunity to the American grower, and to the fancier who is unable to grow pansies of Scotland. The well-known and favorite pansies of Europe, all grown and imported by us, are: the pansies of Belgium, which are much more beautiful than any painter could depict. In a good sized bed you could readily find 100 different varieties, but no one can or should try to cover one. The flowers are of large size, and perfect form, nearly circular, and most of them have a very rich velvety appearance. They will both astonish and delight "pansy fanciers." Packet of 100 seeds, 25c.

Giant Trimaldeau. — 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 blots or spots, and stands well above the foliage. Choice mixed colors. Pkt. 10c, half a dozen large as ordinary pansies. They will both astonish and delight "pansy fanciers." Packet of 100 seeds, 25c.

Lord Beaconsfield. — New, large flowers of deep purple violet, shading off in the petals to a white blue. Pkt. 10c.

Giant Bougn. — 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. 25c.

Choice German Mixed. — Magnificent large velvety flowers of richest hues and colors. This has for many years been one of our most popular sorts and we have taken pains to keep up its high standard of excellence. Pkt. 10c, oz. $3.50.

Mahogany. — A beautiful, rich, mottled mahogany color. Pkt. 50c.

King of the Blacks. — Or Faust. — Flowers intensely dark, almost coal-black. Pkt. 50c.

Snow Queen. — Flowers of a delicate, pure, satiny white, handsome and attractive. Makes a fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 50c.

Golden Yellow. — Best of the yellow varieties. Desirable as a contrast. Pkt. 50c.

Azuré-Blue. — Very fine shade of sky-blue. Pkt. 50c.

Quadricolor. — Beautiful mottled blue. Pkt. 50c.

English Face. — A popular variety in England. Most of the flowers are distinctly marked with a "face." Pkt. 10c.

Large Flowering. — A choice mixture. Pkt. 10c, oz. $2.75.

Fine Mixed. — Contains many good sorts. Pkt. 50c, oz. $1.00.

Mammoth Butterfly. — A strain of pansy which for variety and beauty has never been excelled. Of marvelous forms, colors and markings, exceeding all others: the face pansies of Scotland, of bright, contrasting colors and rare spotting, flaking, feathering and veining; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are distinctly showy; and also the many American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have this mixture. Per pkt. 20c, 1/4 oz. $3.00, oz. $8.00.

Violet Scented Pansy. — This new variety is a cross between the pansy and the violet, containing 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. 15c.

Collection. — One packet each of above 31 sorts for $1.50.
PHLOX DRUMMONDI.

If we could have but one flower for our garden, that one would be the Phlox. Its brilliant shades of color, ranging from clear white to brilliant scarlet make an almost dazzling show continually in bloom. All which we offer except the common mixed are of the large flowering or grandiflora class.

FIREBALL.—(Cut No. 1.) Brilliant, dazzling scarlet; very handsome dwarf compact growing. Pkt. 5c.

STELLATA CARMINEA.—(No. 2.) Bright, rich scarlet, sharply striped with white. Pkt. 5c.

GRANDIFLORA ALBA.—(No. 4.) Pure white, very large. Pkt. 5c.

CUSPIDATA OR STAR.—(No. 5.) The growth is more dwarf and compact than the common. The pointed center teeth of the petals (five in number) are long and project like little spines, one-quarter to one-third inch long. Thus the flowers appear to have a splendid, regular star-like form whose beauty is improved by the broad, white margins, which border the edges of the petals. Pkt. 10c.

SUNRISE.—(No. 6.) Beautiful, rosy salmon, shaded carmine. Pkt. 5c.

FRINGED MIXED.—(No. 7.) Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 7c.

JUBILEE.—(No. 8.) A decided novelty, being an entirely new color in Phlox, a bright yellow: of strong, bushy erect habit, each plant presenting a mass of dazzling flowers, each of which is nearly the size of a twenty dollar gold coin and of perfect form. Pkt. 10c.

RADOWITZI.—(No. 9.) Handsome flowers of rose, crimson, violet, etc., striped with white. Pkt. 5c.

DOUBLE PEARS.—A grand novelty introduced by us in 1888. By constant selection each year we have improved it so that almost every plant produces handsome, double, pure white flowers, a very pretty and will prove a splendid acquisition for bouquet work. Pkt. 10c.

GRANDIFLORA—This special large flower strain has been selected with great care for many years until we now have an ideal flower, of immense size and for beauty of flowers they are unsurpassed. They produce a great profusion of large trusses of flowers and if cut freely will continue a mass of bloom until severe freezing weather. The colors range from the purest white to nearly black, including all shades of pink, red, violet, crimson, purple, yellow, blue, scarlet and brown, striped and blended in an indescribable manner. Some of the flowers are very nearly as large as a half dollar. Pkt. 5c.

PERENNIAL MIXED.—A mixture of the common varieties. Pkt. 5c.

PHLOX COLLECTION. One packet each of the above varieties, making a grand assortment for only 10c.

POTTED DOUBLE Phlox, and STAR.—(No. 10.) Handsome flowers, 6 inches in diameter, with large trusses of blooms on strong, upright stems. Beautiful, large trusses of large bloom. This is a magnificent variety for the rock garden, etc. Pkt. 25c.

Shirley.—A new single. In color from the purest white through the most delicate shades of rose pink and carmine to deep crimson. Pkt. 5c.

FAIRY BLUSH.—Flowers perfectly double and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, tipped with rosy cream. Pkt. 5c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet. Pkt. 10c.

GIANT NAKKEEN YELLOW.—A superb new poppy. It is a vigorous grower, the flowers are borne in constant succession for a long season, huge, bright yellow. Pkt. 10c.

DOUBLE CARNATION.—A splendid assortment of the best double carnation-flowered sorts. The most popular variety and will make an attractive bed. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 3c.

RIGINUS.

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn singly; also fine for clumps or ornamental hedges. Keeps out moles.

CAMBOGIENSIS.—This beautiful plant grows to a height of 8 feet, and of most stately, majestic tropical appearance. Large palm-like leaves of darkest red dish maroon, covered with a bright brassy luster, while the main stalk and leaf stems are ebony black. Leaves have large red veins which add to the beauty. The fruit is fiery red. It is unsurpassed as a decorative plant for lawn or garden. Seed will always be scarce and high. Pkt. of 3 seeds 5c.

ZANZIBARENSES.—Grows to a height of 12 to 15 feet, with leaves 2 to nearly 1 feet across. A handsome specimen plant for lawns. Pkt. 10c.

SANGUINEUS TRICOLOR.—Blood red stalk; very attractive. Pkt. 3c.

COMMON.—Pkt. 3c. oz. 10c.

ALL VARIETIES MIXED.—Pkt. 4c.

BRILLIANT POPPY.
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. Ask for circular giving instructions for growing. All 8 cent per packet, oz. 10c, 2 oz. package 15c, ½ lb. 30c, except where noted.

A LA MAGNIFICA.—One of the clearest of the whites. Strong grower and fine bloomer. BLANCHE FERRY.—Resembles the Painted Lady, but the flowers is much larger, of better and more decided shades, and blooms more freely. Very fragrant and unsurpassed for cossage bouquets. BLACK.—Very dark brownish purple. The nearest approach to Alonso Honeysuckle. Exquisitely soft, deep rose color; beautiful clusters on long stems. BRIDE OF NIAGARA.—The first double Sweet Pea ever introduced and has created a great furor. Pkt. 10c. BORDEAUX.—A very fine dark variety. With immense, bold, attractive flowers borne in great profusion. Color, red, mahogany and maroon. Very beautiful. BUTTERFLY.—White, lined with lavender blue. CARDINAL.—Intense cardinal crimson, large and fine. COUNTESS OF RADNOR.—One of the handsomest. Standard rich lavender purple, wings lighter. CUPID.—A unique novelty. Very dwarf, only about five inches high. Flowers pure white. Pkt. 10c. DAYBREAK.—A grand new sort, color white veined crimson. Pkt. 8c. oz. 15c.

DUCHESS OF EDINBURGH.—Very beautiful; standard light scarlet, splashed with crimson, edge white, wings tipped rose. IMPERIAL BLUE.—Color ultramarine blue, claret and purple; one of the handsomest. MRS. GLADSTONE.—Flowers large of perfect form and of most delicate and beautiful blush pink. One of the most elegant flowers in the list. OZ. 10c, 2 oz. package 15c, ½ lb. 30c.

FIVE MIXED.—An excellent assortment of blue, white, crimson and apricot. Pkt. 8c. oz. 15c. 2 oz. pkg. 15c, ½ lb. 30c.

GLOBE OF GOLD.—A dwarf, well branched plant growing only about three feet high, branches carrying a medium sized, densely double, globe-shaped flower of rich deep, golden yellow; color, being very beautiful of gold. The most densely double of any sunflower. They are easily grown from seed and produce handsome, symmetrical plants, very effective on lawns or in the flower garden. Pkt. 5c.

GLOBE OF GOLD SUNFLOWER.

SALVIA.

SALVIA.—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.
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. 5c.

SMILAX.
Much used for winter decorations; the seeds start slowly and should be planted in loose, rich soil and kept moist and warm. Pkt. 6c.

SCABIOSA.
(Mourning Bride) One of the best free flowering, hardy annuals of very handsome colors. Best double dwarf mixed. Pkt. 4c.

SPRAGUAEA.
UMBERTA.—Flowers in dense umbels, on leafless stems, six inches or more in length; blossoms are pink and nearly everlasting. Sow seed under glass or in a sheltered place. Pkt. 10c.

STATICE.
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 VARIETIES.—Much larger than the common Salpiglossis. 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, crimson, dark brown, golden and lemon yellow, white, dark purple, black, brilliant scarlet, with all the shades between beautifully veined and beautifully colored all summer and till severe frost. Pkt. 10c.

STEVIA.
SERRATA.—Produce an abundance of pretty white flowers early in fall. Pkt. 5c.

SALPIGLOSSIS.
Sometimes called Gilliflower. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have many good qualities, that they deserve a place in every garden. They should be given good, rich soil to grow in and will amply reward good treatment with remarkable pyramids of bloom.

LARGE FLOWERING PERPETUAL WHITE.—LV strong growth, fine branching habit, and if sown early, will bloom from May until November. Flowers very large and pure white, the more often they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

LARGE FLOWERING DWARF GERMANY.—Our mixture contains a great variety of colors. Pkt. 5c.

SAPONARIA.
An old-fashioned perennial with pink flowers. Often called Bouncing Bet. Pkt. 5c.

TORENA.
FOURNIERI.—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors. A very handsome plant. Pkt. 10c.

PERPETUAL WHITE STOCKS.
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.

WHITE LAVIA.
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. Mixed colors. Pkt. 5c.

SALPIGLOSSIS.
HENDERSON'S MAMMOTH VERNIA.

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 MAMMOTH.—When well grown every flower truss measures over one inch 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 white eye. Pkt. 10c.

BLACK.—Nearly a coal black with a white eye. Pkt. 10c.

CANDIDISSIMA.—Large trusses of pure white flowers; beautiful. Pkt. 8c.

DEFIANCE.—A true scarlet: extra fine. Pkt. 10c.

YELLOW.—Splendid novelty which it will pay flower lovers to try. Pkt. 10c.

EXTRA CHOICE MIXED.—From the finest German collection of named sorts. Pkt. 7c.

FINE MIXED.—Contains a nice variety of colors. Pkt. 4c.

WISTARIA.
One of the most popular hardy vines climbing to a height of fifty feet or more. It is perennial and easily grown from seed. Of luxuriant and rapid growth, bearing in the spring immense panicles of purple or white flowers produced in great profusion. Pkt. 10c.

VIOLA.
ODORATA.—The well known sweet violet. All colors mixed. Seeds start very slowly. Pkt. 10c.

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. 10c.
SINGLE VARIETIES MIXED.—Pkt. 5c.

WAHLENBERGIA.
GRANDIFLORA MIXED.—Also called Platycodon, of wondrous 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. The flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of light blue, lavender and white. They bloom profusely and continuously all summer, if flowers are removed as soon as they begin to fade. Pkt. 10c.
### SPECIAL MIXTURES

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. Here are a few of the most effective ajangements of the kind, and others, which have been found very popular with many.

#### MIXTURE OF CLIMBERS
- This is a liberal and varied packet of seeds of many beautiful annual climbers, suitable for climbing or to climb by themselves. Pkt. 10c.

#### WILD GARDEN MIXTURE
- Over 400 kinds of such flower seeds as are suitable to be planted together, forming a mass of bright colored flowers and beautiful foliage which is very effective and pleasing. Our instruction will give some idea of the possibilities in growing flowers from this mixture. Select a rich, well-drained soil, as free from weeds as possible, and plant in this latitude about the first of May. Pkt. 5c, oz. 35c.

### INTERNATIONAL NOVELTIES MIXED
- Each year we make a grand test of floral novelties, sending seed thereof from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never seen or grown before. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils, and by far the larger number of the new introductions, and we would like to have all our customers try them. We have included seed of most of the varieties, but instead of listing them in our catalogue separately at 10c each we have elected to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt., 3 pkts. 25c.

### LOW-GROWING ANNUALS
- This mixture contains seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of which bloom in an extremely short season. Pkt. 10c.

### MIXED BIENNIALS AND PERENNELS
- About fifty varieties. Every garden should contain a good assortment, and it will be easily obtained in this way. Pkt. 10c.

### FLOWERS FOR BOUQUETS
- This mixture embraces seeds of many annuals producing flowers suitable for cutting and for bouquets, nearly all of which bloom in an extremely short season. 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 filling up the winter bouquets. These should be cut back as soon as the foliage dies down in the fall and dried in the shade. Very useful for working up with the everlasting into winter ornaments, as they lend a grace and beauty not obtainable without them. Pkt. 5c.

All of the above mixtures are carefully prepared from pure, fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner are many seeds obtained at such a low cost.
COMPLETE GARDEN COLLECTION.

A BARGAIN IN SEEDS. 35 VARIETIES FOR $1.00.
All Good, Desirable Sorts. Sure to Please You.

CONSISTS OF ONE FULL SIZED PACKET EACH OF IMPROVED GOLDEN WAX BEANS, OLD HOMESEED POLE BEANS, MUSK CUCUMBER, HENDERSOM S. WHITE CABBAGE, SHORT STEM DRUMHEAD CABBAGE, CARROT, WHITE SPINE CUCUMBER, IMPROVED GROUND CHERRY, AMERICAN MAMMOTH Brussel Sprouts, PAGE'S STRIPED RICE POP CORN, ICEBERG LETTUCE, IMPROVED HANSON LETTUCE, I. S. CO.'S IMPROVED GARDEN MARIGOLD, MUSK MELON, DUKE JONES MELON, LONG STANDING SPINACH, MAMMOTH SANDWICH ISLAND SORREL, MARKET GARDENER'S PARSLEY, EARLY MINNESOTA TOMATO, MATCHLESS TOMATO, WHITE EGG TURNIP, PURPLE TOP STRAP LEAF TURNIP, MONARCH RUTA BAGA, AND VINE PEACH.

Total 35 full sized packets sent postpaid for $1.00, at regular catalogue price they amount to $2.58.

PROSPERITY COLLECTION.

To celebrate the return of prosperity (to the farmer) we offer the following which are just what should be in every farmer's garden.
The quality is so superior, the quantity so large and the price is so low that it means prosperity to all who invest: All Seasons Cabbage, Extra Early Express Cabbage, Improved Evergreen Sweet Corn, Iowa Mastodon Melon, Stringless Green Pod Beans, Danvers Carrots, Dwing's Beet, Medium Green Cucumber, Stowell's Evergreen Corn, Prizehead Lettuce, Iowa Mastodon Musk Melon, Wonderland Sugar Watermelon, Yellow Globe Danvers Onion, Guernsey Parsnip, Sweet Mountain Pepper, American Wonder Peas, Improved Columbia Charter Radish, Hamburg Squash, Imperial Tomato and Purple Top Globe Turnip.

In all 20 packets for only 35 cents postpaid.

SMALL FRUIT COLLECTION.

No matter how small your garden space is, you will have room for a few fruit plants so as to have nice fresh fruit of your own growing. We offer: Moore's Early Grape, Agawam Grape, 2 Curants, 2 Raspberries, and 25 Strawberries, assorted varieties. Value $1.00, for $1.00, postpaid.

A splendid collection and one which should be in every yard in America where there is only a limited space for fruit.

PATRIOTIC COLLECTION.

For Americans....

One packet each of the following flowers: American Banner Larkspur, Queen of the Isles Sweet Peas, American Flag Poppy, Beautiful Wild Rose (the state flower of Iowa), Golden Rod, (our national flower) International Mixed Pansy. In all 6 packets worth 57 cents for only 35 cents.

GEM COLLECTION.

Of Floral Novelties.

One packet each of Japanese Morning Glory, Blue Solanum, Umbrella Palm, Mammoth Heliotrope, Early Dawn Cosmos, Golden Matchet Mignonne and Royal Mixed Aster. All for 40 cents.

NOVELTY COLLECTION.

To enable you to test some of our novelties at a small expense, we offer one packet each of Sunshine Sweet Corn, Moncrieffe, McCotter's Pride Peas, Atlas Pumpkin, Rose Parsnip Radish, Canary Island Onion, Iowa Mastodon Melon, Astro Cucumber, Apple Pie Melon and Mignonne Lettuce. Ten packets for 50c.

FLOVERS FOR EVERYBODY.

50-CENT POPULAR COLLECTION.

Consists of one packet each of Sweet Alyssum, Aster, Balsam, Candytuft, Dianthus, Convolvulus, Cypress Vine, Canna, Cockcomb, Larkspur, Ice Plant, Mignonette, Nasturtium, Petunia, Pansy, Poppy, Phlox, Sweet Peas, Sunflower and Zinnia. Total 20 packets for 50c.

25-CENT BARGAIN COLLECTION.

Consists of one packet each of Petunia, Cypress Vine, Eschscholtzia, Balsam, Phlox, Aster, Pink, Pansy, Mignonette, Sweet Peas, Zinnia, and Verbena. Total 12 packets for 25c.

10-CENT TRIAL COLLECTION.

Consists of one packet each of Balsam, Candytuft, Pink, Mignonette, Pansy and Sweet Peas. Total 6 packets for 10c.

SOUTHERN COLLECTION.

For the benefit of our many southern customers we have made up this collection of flowers which will stand the southern climate and keep up a bright show of color. Their beauty and brilliancy and great variety will please you. One packet each of Antirrhinum, Datura, Mirabilis, Poppy, Morning Glory, Moonflower, Nasturtium, Larkspur, Mignonette, and Eschscholtzia. Ten packets for 50c.

COLLECTION OF SHRUBS.

A chance for permanent improvement. Our selection of 10 choice hardy shrubs and hardy flowering plants for only $1.00.

20 PLANTS, PREPARED 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. 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. 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 the time order is filled. 20 plants for $1.00.

NOVELTY PLANT COLLECTION.

One strong plant each of A. Nemur Horwardia, Rainbow Rose, Double New Life Geranium, Illumination Chrysanthemum, Chance Salvia, Hawkeye Giant Colesus, Rudbeckia and Eclipse Abutilon. In all eight charming plant novelties worth $1.35 for only 75 cents. Everyone who loves beautiful, rare flowers should have this collection.

CHILDREN'S COLLECTION.

To encourage the children and induce them to begin having a garden "all their very own," we offer this collection, consisting of one packet each of Beet, Cucumber, Lettuce, Radish, Onion, Pop Corn, and Sunflower. In all seven full-sized packets postpaid for only 15 cents.
FLOWER BULBS.

Many of the showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. Our bulbs are large and strong, and will be sent well packed, postpaid on receipt of price, except where noted.

DIscOUNTS.—Your selection of bulbs to the amount of $1.20 at catalogue prices will be sent postpaid for $1.00.

DAHLIAS.—These showiest of flowers are becoming popular favorites. Specialist have been quietly at work improving them for many years past and the result has been some most grand varieties. Don't fail to try a few. There is such an endless variety that we think it best to list only a few sorts.

**New Varieties.**—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are most popular.

**Fancy Double Mixed.**—The handsome tipped, striped and variegated flowers of this class are unequalled in beauty. Each $1.50, and all other sizes.

**Double Mixed.**—Of much value for table or corsage bouquets. Each 30c.

**Mixed.**—Very beautiful flowers. Each 25c.

**Single Mixed.**—Large, pure, double, yellow flowers shaded with old gold. Perfectly double. Each 50c.

**Crimson King.**—A large ball-shaped flower, of most handsome rich, dark crimson, globing color, very double. Each 50c.

**Unique.**—A splendid novelty. Center pure yellow, shaded with gold, tipped and margined rose and shades of red. Heads very large, from 6 to 9 inches each. Each $1.50.

**LYLIES.**—These most showy, attractive, expensive and easiest grown of all summer and autumn flowers are contained in this important class. Our bulbs are large and strong, and will be sent well packed, postpaid on receipt of price, except where noted.

**LILY.**—A grandly flowering, ever-blooming French Lilies. Each 5c.

**Queen Charlotte.**—A grand, large-flowered, ever-blooming French Lilies. Each 5c.

**Mixed.**—We have a grand assortment of all the best varieties of French and Oriental Lilies. Each 5c.

**OXALIS.**—Deeply colored, full and pure white flowers, and as they bloom very quickly after planting, they furnish a neat attractive border all the season. Dozen 10c, 100 30c.

**DIPELI Rosea.**—Somewhat larger flowers and foliage than above. Leaves greatly resemble four-leaved clover; flowers rose color. Dozen 10c, 100 40c.

**LASTRIANA.**—Leaves more finely cut than the Dipeii, and flowers rosy pink. Dozen 10c, 100 65c.

**LILY OF THE VALLEY.**—Well known and universally admired spring flowering plants; 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. Now is the time to set out a bed of these delightful flowers. Our roots are low for choice stock such as we send out. Each 5c, 3 for 15c, 10c.

**AMARYLLIS, Atamasco.**—Pink and white. Each 10c.

**Johnsonii.**—Bears three to six brilliant red flowers striped with white. Each 5c.

**Formosissimi.**—(Jacobean Lily).—Dark velvet crimson. Bulbs may be potted any time in spring. Bloom year after year. Each 15c, 3 for 40c, 10c. $1.25.
CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year. The bloom is usually finest at a distance a little more than a foot high. The flower spike is very long, and flowers are set all along on the sides. The flowers are of a clear, pure white, striped and splashed with a rich carmine, ending to a rosy purple. Most beautifully blotted and marbled, and of a delicate velvety texture. It is not affected by the heat in summer as are many of the other blooms. 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 3c, 3 for 25c.

Ordinarily a beautiful variety of pure clear salmon color, 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.

Golden—A very peculiar new class of gladiolus comprising a great variety of new colors and markings. Each 10c, 3 for 25c.

Meyerbeer—Rose scarlet, amaranth red blotch. Each 15c, 3 for 25c.

Salmon Pink.—A handsome new variety of pure salmon pink color. Attractive. Each 10c, 3 for 25c.

Narcissus.—A fine saucer rose with bright carmine and rose. Each 10c, 3 for 25c.

Buncheynis.—Deep vermilion scarlet. Cereus.—Beautiful bluish white, marbled and striped with rose and carmine. Each 10c, 3 for 25c.

Eugene Scribe.—Light pink, glazed with white. Each 10c, 3 for 25c.

Leander.—Flowers of a soft and delicate white color, shaded and dotted with carmine and has a distinct white band in each petal. Norma.—The best white variety. Ophir.—Dark yellow, mottled with purple. Princess of Wales.—White, blazed with carmine and rose, stained with deep carmine. Africano.—Dark slate brown on saucer ground striped with salmon and pure white. Carnation.—Fleshy white, tinged carmine, blotted with white. Pyramide.—Bright orange rose, extra fine. Rosita.—Delicate creamy rose, marbled with cherry. Lemoni.—Upper petals creamy white, tinted salmon red: lower ones spotted with deep crimson, bordered with bright yellow. Marie Lemoni.—Upper divisions of a pale creamy color, flushed salmon. Fine, the lower divisions spotted purplish violet, deep yellow border. Any of these varieties 5c each, 50c per dozen.

Lemoini Mixed.—Each 5c, doz. 50c. Pink, striped and Variegated Varieties.—Each 5c, doz. 50c.

Red Varieties Mixed.—Each 5c, doz. 50c. Light and White Varieties Mixed.—Each 5c, doz. 50c.

Each 5c, doz. 50c. Fine Mixed.—Contains a nice assortment. Each 3c, doz. 25c. By express, $1.50 per 100.

Choicest Mixture.—Made up mainly from best named varieties. Each 5c, doz. 50c.

MAYERIA, or Mignonneau Vine.—Ornamental climber of very rapid growth. Each 5c, doz. 50c, 100 by express, $1.50.

FREEA or Refracta Alba.—Small bulbs bearing peculiar clusters of white flowers of the most delicious fragrance, which last a long time even after being cut. Each 5c, doz. 50c.

CYCLAMEN, Giganteum.—One of the finest plants in cultivation for winter blooming. The colors vary from the purest white to the brightest crimson and purple, some flowers being beautifully spotted. Each 5c, doz. 50c.

IRIS, Flower-de-Lis.—One of the most satisfactory of flowers for garden culture, as the hardy and need only care after being set out, and will produce a mass of flowers year after year.

Kempferi.—Marvels of beauty and stateliness. Think of a plant sending up 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, blush yellow, etc. Your imagination can conceive of nothing grander, and they are even more grand than your imagination can possibly conceive of. If planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Either double or single, mixed. Each 5c, 2 for 25c, doz. $1.25.

Pomala.—Dwarf, early flowering, light blue, purple and yellow mixed. Splendid for bedding. Each 10c, doz. 100.

German.—The true "Flower-de-Lis," the national flower of France; perfectly hardy; grow and bloom luxuriously anywhere, particularly in moist situations. Mixed colors. Each 10c, 3 for 25c.

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. We offer best sorts, mixed colors. Each 25c, doz. $1.50.

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 and always in demand. Also, and of delicious fragrance. They thrive in beds and borders; rich soil is not essential. Each 25c, doz. $1.50.

Coral Lily.—The flowers are a brilliant crimson, and have a peculiar waxy or coral-like appearance, quite distinct from all other flowers. Each 10c, 3 for 25c, doz. $1.50.

Auratum, or Japanese Gold Banded Lily.—This is justly entitled to the name of the most beautiful lily of all. The immense flowers are deliciously fragrant. The large white petals are thickly spotted with rich carmine and have a bright golden blush band through the center of each. This magnificently succeeds well everywhere. Each 10c, doz. 25c.

Speciosum Album.—Large, pure white flowers of great substance, beautifully recurved. Each 10c, doz. 30c.

Speciosum Roseum.—Pure white ground stained and spotted rose. Very beautiful. Each 10c, doz. 30c.

Harries.—(The Bermuda Easter Lily.) Immense, pure white trumpet with a very delicate pendant fragrant petal. Each 10c, 3 for 25c.

Lemon.—Yellow is not a true lily, but it is of different shape. The flower is about 2 inches in diameter. The color is entirely different from all other sorts, being a clear lemon yellow. Delightful lemon fragrant. Each 10c, doz. 30c.

PEARL TUBEROSE.

Some of the most beautiful and fragrant of all the flowers grown belong to this class, such as the Hyaclinth, Tulip, Narcissus, Crocus, etc. Our bulbs, which are grown by one of the best bulb growers in Holland, arrive in this country about Sept. 15. Send for full catalogue.
FLOWER PLANTS.

A specialty with us and we 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 hard as well as strong, vigorous and healthy. Our system of packing is so very complete that plants arrive in almost perfect condition after traveling many hundreds of miles as they were when packed. Orders for plants must amount to at least 25c. We will furnish plants amounting to $1.25 for $1.75, $2.50 for $3.75, $5.00 for $7.50, or $10.00.

BEGONIA. - Of unusual value for bedding purposes. The flowers are of a brilliant deep red color: the foliage is of a rich, purplish red, and of a fine green color, spotted and margined with bronzed purple. It thrives everywhere and is equally good as a winter bloomer. Each 10c.

B. E. A. - A very popular small variety. Each 10c.

B. Rubra - One of the finest; a constant bloomer; color scarlet rose. Each 10c.

Argentea Guttata - Purple bronze leaves with silvery markings. White flowers. Splendid for house culture. Each 10c.

B. E. D. - A striking peculiar variety of the Rex type, the leaves having a metallic tinge; dark silver in center, shading to coppery rose towards the margin, the spiral twisting of the leaves, giving it a very curious appearance, making it entirely distinct from any other variety. Each 10c.

B. E. S. - A very fine variety, with unusual strong, upright growth; fine large flowers of clear carmine red, and the bud only exceeded in beauty by the open flower. Each 10c.


B. E. F. - Foliage beautifully variegated with white, pink and green. Each 10c.

B. E. W. - Variegated. - Foliage beautifully variegated with white, pink and green. Each 10c.

CHRYSANTHEMUMS. - These are now, and deservedly, the most fashionable of all autumn flowers. Illumination. - See novelties. Each 25c. Golden Wedding. - (See cut No. 4.) - Undoubtedly the most striking varieties ever introduced. A remarkable orange, yellow variety, with irregular veined markings, and carries its great globular flowers erect, giving it a bold majestic appearance. Good Gracious. - So remarkable for size as to suggest its name; color a delicate shade of peach pink throughout. The form is remarkable, the petals are incurved and twisted, giving it a unique beauty. American Beauty. - Variegated. - (See cut No. 2.) - A lovely shade of shell pink; deep, full flower; high incurved center. Each 25c.

FAIRY OF THE FAY. - (See cut No. 6.) - A compact growing sort, producing an immense number of small flowers of deep pink color. Any of above, except Illumination, each 10c.

COLLECTION One plant each of the above 10 varieties of chrysanthemums for 75c, making a grand collection at a low price.
GERANIUMS

For constancy of bloom the geranium is unequalled. We have tested a multitude of varieties and have selected only those which we are sure will please our customers.

SINGLE VARIETIES.

Mrs. J. M. Garr.—One of the finest single white bedders. The plants are a mass of bloom all summer. Souvenir de Miranda.—The finest geranium of late introduction. It has nicely formed, round flowers, 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. Bridal Wreath.—Similar to Souvenir de Miranda, but colors of petals being a pink body color with white edge. Jocelyn.—Large orange-yellow. La Vesta.—The best single white. Peach Blossom.—The color of a peach blossom exactly. Mrs. A. Plane.—Apricot red, very soft, and shaded, with center of vinous rose. Madam du Lac.—Beautiful bright rose, upper petals blotched pure white. Largy trusses of small shaped single flowers. New Life.—The flowers are vivid scarlet, irregularly striped with salmon and white like a carnation; truss good, very free flowering; shoots sometimes, in two flowers alike; very attractive and popular. Any of above sorts 10c. each, 1.00 per doz.

The Wonder.—The flowers are the most intense, deepest scarlet, and are borne in great trusses of enormous size, measuring from 18 to 21 inches in circumference, with single florets measuring 7 inches in circumference. The foliage is fine and rich in color; and in strong contrast to the brilliant scarlet flowers. Each 10c. Mass.—The flowers are produced in great profusion upon large sized trusses. Color a beautiful rich salmon, veined with Carmine with white eyes. The foliage is fine and rich in contrast to the beautiful salmon flowers. A grand new variety. Each 10c.

DOUBLE GERANIUMS.

Remarkable.—As will be shown by our illustrations, the habit of growth is dainty and compact, making this variety one of the most desirable for pot culture. Has perfect trusses of miniature rosebud flowers, which are wonderfully attractive and pleasing. Color brightest possible scarlet crimson.

Each 10c. S. A. Nutt.—The best of all rich dark crimson varieties; the flowers are of perfect shape and large size. A grand border. We sell more of these to our local customers than of all other varieties combined. Very desirable for borders and large beds. White Swan.—A noble variety. Flowers large and very double, always purest white; continually in bloom. Asa Gray.—One of the best; bright salmon pink. Braucli.—Pure double bedding geranium; light vermillon red; trusses exceptionally large and borne in immense spherical balls often eight inches in diameter. Mrs. E. G. Hill.—A most elegant and pleasing variety; flowers of rich crimson; 1.00.

GERANIUMS.

The Fuchsia—A grand variety; corolla, dark salmon; border rose; white. Harriet Thorpe.—Delicate blush, shaded with pearl pink. La Favorite.—Best double white geranium ever introduced; a strong grower and profuse bloomer; purest white. Very desirable, and in strong contrast to the brilliant scarlet flowers. Each 10c. Mass.—The flowers are produced in great profusion upon large sized trusses. Color a beautiful rich salmon, veined with Carmine with white eyes. The foliage is fine and rich in contrast to the beautiful salmon flowers. A grand new variety. Each 10c.

IVY LEAVED GERANIUMS.

A. de France.—A grand variety; corolla dark salmon; border rose; white. Harriet Thorpe.—Delicate blush, shaded with pearl pink. La Favorite.—Best double white geranium ever introduced; a strong grower and profuse bloomer; purest white. Very desirable, and in strong contrast to the brilliant scarlet flowers. Each 10c. Mass.—The flowers are produced in great profusion upon large sized trusses. Color a beautiful rich salmon, veined with Carmine with white eyes. The foliage is fine and rich in contrast to the beautiful salmon flowers. A grand new variety. Each 10c.

WHITE PHENOMENAL FUCHSIA.

FUCHSIAS.—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses their 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 wind.

White Phenomenal.—Most of our patrons are acquainted with Fuchsia Phenomenal, and know what a most desirable variety it is. This variety is fully as large, sometimes three inches across, and the flowers are double white, veined at base with Carmine. Tube and sepals bright Carmine. It is of strong robust habit, the flowers being borne in the greatest profusion, and it may almost be called a perpetual bloomer. It is the flower for everybody. Each 25c.

Mrs. E. G. Hill.—A most perfect and beautiful double white. The short tubes 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, compact and very symmetrical. Each 10c.

Black Prince.—Tube and sepals bright, waxy Carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in pots. Each 10c.

Phenomenal.—Very large flowered sort; sepals bright scarlet with rich violet-purple corolla, flaked with red; very double. Each 10c.

Storm King.—Of 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 10c.

Trailing Queen.—Of beautiful trailing habit, fine for hanging baskets. Each 10c.

PANSY GERANIUM.

Speciosa.—Sepals blush, corolla Carmine. Each 10c.

Little Beauty.—Charming variety; begins to bloom when only 2 or 3 inches high and continues to flower the entire season. Tube and sepals bright red, corolla deep purple. Each 10c.

FARFUGIUM.—Leopard Plant. Each 25c.

PEVEREL’S DOUBLE WHITE.—Each 10c., doz. 75c.

FEARS.—Beautiful for rockwork or as a specimen for parterre. Each 10c.

CLEOPATRA.—(Elegant Ground Ivy.)—Foliage bright green, marked with pure white; habit graceful and elegant. Each 10c.

MAMZELLE BICOLOR.—A pretty little vine blooming constantly. Color rich crimson shaded with golden yellow. Each 10c.

VINCA.—Leaves handsome, beautifully veined; flowers bright blue. Each 10c.

S. A. NUTT GERANIUM.
DOUBLE PETUNIA—One of the grandest, most beautiful plants for massing, mixed borders or vases. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for garden decoration. We devote special effort to the cultivation of the Double Petunia; we spare no pains or expense to obtain the best results, and as a consequence our stock is unsurpassed and includes all the best bloated and fringed varieties. Each 10c.

Snow Queen—White varieties are always scarce. This is an extra choice new double white variety, which for profuse flowering qualities is unsurpassed and for keeping has no equal. Plant grows about two feet high and often has 300 to 400 flowers at a time and blooms throughout the season. Flower is of medium size, scalloped, pure snow white and of great substance. Desirable both for outdoor bedding and winter blooming in the house. Each 15c.

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 15c.

LEMON VERBENA.—A universal favorite because of its great fragrance. Indispensable for bouquets. Each 10c.

SWAINSONIA.—We bring prominently before flower lovers this distinct climbing plant for house culture and protected spots in the garden. The Swainsonia is a native of Australia. The habit of growth is extremely graceful, and the vines, trained up at the side of a window or on a trellis, present a lovely sight of light-green, feathery foliage, and a splendid profusion of pure white sprays of fairy-winged flowers somewhat resembling sweet Peas in form. Easily grown, and under favorable conditions it is almost a perpetual bloomer. There is certainly no climbing vine for house or conservatory culture today that is more desirable than this fine new plant. Each 15c.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants we have ever grown. Instead of growing in soil it floats in the water. It forms a lovely rosette of its curious, shining green leaves, and throws up spikes of the most exquisite flowers. Each flower is as large or larger than a silver dollar; color a beautiful soft blue 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. Each 15c.

SAVAGEA.—Zelanda.—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white. Flowers white. Each 15c.

MEXICAN PRIMROSE.—Is a perpetual blooming flower in flower. In 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 drops others are out to take its place, and this succession of beauty is continued. The plant is a tree grower, succeeding in almost any soil or situation. Each 10c.

OXYCARPA.—Zelanda.—A singular, everlasting flowering plant, eminently adapted for decorative purposes in conservatories, etc. Dark green, beautifully striped crosswise with white. Flowers white. Each 10c.

HYDRANGEA.—

Hortensia—Bright pink flowers 15c.
Thomas Hogg—Pure white; beautiful 18c.
Variegated—Foliage white and green...15c.
HIBISCUS.—

Magnificent large flowers; several colors. 15c.

HOYA.—(Wax Plant)—The well known house climber, with thick, fleshy leaves and curious wax flowers. 10c.

WINTER CAMELLIA.—White, pink, and green. 25c.

HELIOFORE.—Snow Breath.—Nearly pure white. 10c.

President Garfield—Has fine large blossoms of deep purple flowers. 10c.

IVIES.—

English.—No vine excels this. 15c.
German.—Grows very fast. Fine for hanging baskets. 10c.
Variegated English.—Foliage very charmingly marked with white. 25c.

MAURANDIA.—Graceful climbers for window or conservatories. 15c.

MYRTILLUS.—(Forget-me-not)—A charming purple, abundantly blooming plant, requiring plenty of water and a partially shaded location. 10c.

MARGUERITE DAISY.—New California Paris. 10c.

Daisy Gold Mohave. Handsome yellow flowers, covered with its white, moon-like flowers. 10c.

MOON FLOWER.—A handsome climber, from feet and covered with its white, moon-like flowers. 15c.

MOUVINGE.—A fine plant for basket. Flowers bright pink. 10c.

NIGHT-BLOOMING CEREUS.—This gorgeous cactus, which opens evenings, bears abundant blossoms, measuring twelve inches in diameter, and of delicious fragrance. 25c.

SILICA.—Well known, handsome climber, and very popular. 10c.

PRIMULA OBSCONICA.—A lovely perpetual blooming primrose and admirably adapted to house culture. The flowers are not large, but are profusely borne in loose clusters and a profusion of a delicate rosy lilac, shading to white, and possess the true primrose fragrance. It is a beautiful bloomer. A month or more after one has kept up a succession of bloom throughout the season. It is not susceptible to changes of temperature that most plants are subject to. It bears its elegant purple and white flowers in the greatest profusion. See cut, which was taken from a photograph. It is certainly elegant. Each 10c.

PALMS.—Fashionable decorative house and window plants. Price each: large, $1.00 to $5.00 each by express.

PANSIES.—Our plants are strong and well grown. Our best seed. All choice varieties mixed. Doz. 40c. 3 doz. for $1.00.

PASERIUM.—An attractive vine bearing beautiful flowers. Each 15c.

PELARGONIUM.—Commonly known as Lady Washington ceramium. Flowers are large, with deep blotches on the upper petals and bright spots on the lower. Each 3c.

SALAD.—A splendid variety of flowering plants; bright scarlet. Each 10c.
ROSES.

The flower of flowers. Everyone should have them in profusion. Our stock is unexcelled.

BRIDESMAID.—An exquisite, bright clear pink, a lovely shade; flowers very large, perfectly double. They are large and solid with long stiff stems and handsome glossy foliage. A strong, healthy grower, free from disease. It is also an excellent building variety for outside forcing in summer. Each 15c.

EMPERESS AUGUSTA VICTORIA.—The finest white rose in existence for summer blooming. It is a true Tea Rose, soft pearly white, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. It is a continuous bloomer, the buds being of elegant, perfect shape; full, open flower is unsurpassed and shows no center. Each 15c.

CHAMPION OF THE WORLD.—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 all Tea roses. Blossoms are perfectly double to the center, of good shape, color a degree of loveliness which few roses can equal. Rich, deep rosy pink. Each 15c.

SOUVENIR DE WOOTON.—Color a beautiful shade of velvety crimson, equal to the noted General Jacqueminot, deliciously fragrant, a constant and most prolific bloomer, and the full open flower is frequently six inches in diameter. Each 15c.

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 very double, measuring from 8½ to 4½ inches in diameter. The color is a very delicate creamy white. Each 15c.

SUNSET.—Exquisite orange yellow; one of the finest Tea Roses grown. Each 15c.

BEAUTY INCONSTANT.—Wonderful new variety, producing flowers of many shades of pink, red, crimson and yellow all on the same bush at once. Its beauty is indescribable; fragrant. Each 15c.

PERLE DES JARDINS.—Fine straw yellow, very large and perfect. Each 15c.

CAROLINE TESTOUT.—Satin pink, with rosy center. Each 15c.

MADAME HOSSE.—An exceedingly beautiful, new ever-blooming rose, yellow. Each 15c.

CLOTHILDE SOUPERT.—Double, white, with rosy pink center; fragrant. Each 15c.

Beautiful Fairy Roses.

Small roses which are marvels of grace and beauty. Bloom in clusters of 2½ to 50 on a single stem. Each 15c.

WICHURIANA.—The White Memorial Rose.—A nice trailing species of very rapid growth, making a closely matted bed of very dark green foliage. The flowers are produced in the greatest profusion. They are single, pure white, with golden yellow stamens. Appropriate for cemetery; perfectly hardy. Each 15c.

GREVILLE OR SEVEN SISTERS.—Bloom in large clusters, varying from white to crimson; perfect hard. Each 15c.

MOSS ROSES.

The Moss Roses is the acknowledged queen of all roses. The moss-covered stems and buds show off the delicate loveliness of the blossom to great advantage. They are Hardy in any location and should be found in every garden. We can furnish either crimson, pink or white at 30c each.

We have many varieties of Ever-blooming Roses which we have not room to describe. 10 choice plants, all different. 75c. 18 for $1.
Ornamental Vines.

A few climbers add greatly to the appearance of any place and make a permanent improvement. Don’t omit to ask for a few with your order.

**CLEMATIS Jackmanii**—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter of rich, deep violet purple, distinctly valued. Strong plants, each 50c., large and extra strong, three years old, $1.00.

**CLEMATIS Henryi**—This is the finest of all white Clematis, and should find a place in every collection. It is not only a vigorous grower, but is a remarkably free and continuous bloomer. It begins with the earliest and holding on with the latest. Flowers large, of a beautiful creamy white. Each 60c.

**SWEET PETER**—A very handsome variety of the clematis, growing to a height of 20 feet and making a nice shade for paroches, arbors, etc. The first season the plant grows 6 to 12 feet and it is literally covered with thousands of pure white flowers, which are delightfully fragrant, and it blooms continually from July to September. The clusters of silvery white buds are covered, apparently, with white silk hair, and will keep nicely for decorations. The vine is perfectly hardy, rapidly growing and graceful, and will succeed everywhere. Each 1.00. Large plants 3.00.

**CHINESE MARRIAGE VINE**—A most vigorous hardy climbing plant. It sends out numerous side branches, so that it covers a great amount of space in a short time. Bright purple flowers, which are succeeded by brilliantly colored rose-colored fruits. Each 30c.

**CALIFORNIA ROSE**—Often called Perennial Double Morning Glory. A hardy vine coming from the roots each year, bearing beautiful double pink flowers. Each 20c.

**AMELIE-VEITCH** (Boston Ivy).—This is one of the finest climbers we know of for covering walls, as it clings firmly to the smoothest surface. Each 15c. Large 25c.

**BLUE CHINESE WISTARIA**—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet, and when covered with bloom is truly magnificent. Each 1c. Large 25c.

**RED CORAL HONEYSUCKLE**. (Scarlet Trumpet).—For real home vines, to be near you, climbing over your windows and doorways, there is nothing prettier than this; the foliage is pretty, neat and clean, the flowers almost continuous, and their fragrance delicious: bright red, trumpet-shaped flowers. Each 20c.

**HALI’S JAPAN CREEPER.**—Constant bloomer: flowers pure white changing to yellow; very fragrant; good for trellis or pillars. Each 25c.

**CINNAMON VINE**—This beautiful climber is perfectly hardy, and a rapid grower: has beautiful heart-shaped, bright green leaves, and clusters of delicate white flowers. Each 15c. Large 25c. One dozen per doz. 2.00.

**APIOS Tuberosa**—This is one of the most beautiful climbing vines. Grows very quickly and blooms profusely, bearing lovely clusters of rich, deep purple flowers. Each 5c.; 3 for 15c; doz. 30c.

**VIRGIN’S BOWER.**

**TRUMPET FLOWER.**—Of rapid growth, with large, showy, trumpet-shaped, scarlet flowers. Each 15c. Large plants 25c.

**AMPHAEPOSIS-VEITCHII** (Virginia Creeper).—A strong, rapid grower with large dark green foliage changing in autumn to bronze and bright crimson. Each 15c. Large 25c.

**GENERAL JACQUEMINOT.**—One of the grandest roses in existence. Sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Color a rich, dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large; free bloomer. Each 15c. Dorman 30c.

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**VIRGIN’S BOWER.**
Hardy Shrubs and Ornamental Plants.

In making a home plan for future beauty, comfort and happiness by planting a variety of hardy ornamental shrubs, roses, and climbers which will naturally grow in beauty and size. Such permanent improvements add greatly to the value of any property and the value grows from year to year, instead of an expense that they should be considered a paying investment. We prepare the charges on small plants. The larger sizes are sent by express, pure postpaid.

HYDRANGEA PANICULATA GRANDIFLORA.—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Unsuspected for the lawn, as a hedge or for cemetery planting it readily attains a height of 6 to 7 feet; hardy in all localities and needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months; the flowers are massive, cone-shaped, often measuring ten inches in length, and have a pleasing variation of color, changing from the original pure white to pink, and finally a beautiful rich coppery red. Each 15c. Large dormant plants $3c.

CALTANIS—A beautiful sweet-scented shrub, flowers purple, quite double, exquisite fragrance and borne in profusion during the entire season; the foliage and wood are also sweet-scented.

AIFEA.—(Rose of Sharon.) Among the most beautiful of all flowering shrubs, grows 8 to 12 feet high and bears a profusion of double, white, red and variegated flowers. Each 15c. Large 25c.

FLOWERING ALMOND.—One of the earliest flowering and finest little shrubs. Loaded with very double pink and white flowers. Each 25c. Large 40c.

DEUTZIA.—A showy class of shrubs, adapted to any location or soil, especially valuable owing to their compact habit of growth, beautiful luxuriant foliage and free flowering qualities. Flowers pure white with a faint touch of bluish on outside of petals. Each 25c. Large 40c.

LILY OF THE VALLEY SHRUB.—(Andromeda Mariana.) A beautiful shrub, grows to a height of two feet. Each 25c. Large 40c.

HOLLYHOCKS.—We have the choicest varieties of these stately plants, and can furnish white, pink, yellow, salmon and crimson. Strong plants each 15c. Large 25c. postpaid.

ACHILLEA—Alba (The Pearl).—The flowers are large, forming a beautiful plant eighteen inches high. It is completely covered with white flowers from July till frost; hardy. Each 10c. doz. 35c.

DICENTRA SPECTABILIS.—The old bleeding heart, the flower of our childhood, which is as lovely today as then, though not so common. Bears in early spring long chains of pendulous rose blossoms of exquisite beauty. Each 25c. postpaid.

PERUNIAS.—These are again becoming quite popular, some of the varieties are truly magnificent. Postpaid at prices named

Fragrance.—Fine rich pink with an exquisite fragrance. Large and double. Each 25c.

Pink and Cream.—Outside petals pink, center bright straw color; beautiful. Each 25c.

Hunting.—The large double variety; handsome light rose color; late. Each 25c.

One plant each of the five Perunias for $1.00.

HELIANTHUS MULTIFLORUS PLenus.—A plant of hardy character which will be hardy in most places and will give entire satisfaction. The flowers are from three to four inches in diameter, as double as any Double Dahlias, and cover the plant from the ground to the top. Color, a bright golden yellow. Each 25c. Large 40c.

One plant each of the five Helianthus for $1.00.

SWEET PEA SHRUB.—The shrub of shrubs for border makers. When it is in bloom it is really but a big bouquet itself, so full is it of dainty sprays of large, lovely rose-pink blooms. Very hardy and robust, and blooms when small. Its glorious flowers are the size and shape of the most lovely Sweet Pea, but more beautiful. Each 25c.

FORSYTHIA (Golden Belt).—A fine hardy shrub of weeping or pendulous habit; glossy, deep green leaves and bright yellow flowers. Blooms early in spring. Each 15c. Large 25c.

SNOWBALL.—A well known and popular shrub which grows to a large size, covered with dense, spherical clusters of white flowers which gives it its name. Each 25c. Large 40c.

LILAC.—Purple.—A well known, strong growing shrub, bearing large, fragrant clusters of flowers early in spring. Each 15c. Large 25c. White—Like above, but has white flowers which make it more desirable to some. Each 35c. Large 75c.

SPIREDA.—Van Houtte.—This new variety is the hardiest of all the spiras. The bushes form fine, compact clumps. They bloom in April when the blossoms are as wide as they are high; generally 4 or 5 feet. The pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a perfect snow bank of white bloom. Each 35c. Large 75c.

SPIREDA.—Prunifolia (Bridal Wreath).—Very beautiful; erect habit of growth; flowers pure white, borne in profusion entire length of branches. Each 25c. Large 40c.

SAMBUCUS AUREA (Golden-leaved Elder).—Very handsome and striking in appearance. Bright yellow foliage. Each 25c. Large 40c.

SYRINGA (Mock Orange).—A handsome foliated shrub bearing immense masses of pure white intensely fragrant flowers in June. Each 25c. Large 40c.

WIEGELA.—A valuable Japanese shrub which produces superb, large trumpet-shaped flowers in June and July, of all shades from pure white to dark red. Each 25c. Large 40c.

TAMARIX.—This is one of the finest additions to our list of hardy shrubs. The foliage is light, feathery, graceful, sage blue in color, and very ornamental. Blooms early in June, and then all through the summer and autumn. Each 25c. postpaid.

WHITE DAY LILY.—An old favorite, bearing long pure white fragrant flowers. Each 25c. Large 40c.

BLUE DAY LILY.—Lovely blue flowers on tall spikes. Each 25c. postpaid.

PHLOX SUBLAT.—One of the finest of the low, turf-growing plants, fine for carpeting under trees, around rock work, edging beds, etc. Early in spring is very showy in its cloud of bright pink blossoms. We do not understand why this is not more widely used, for it is perfectly hardy and will care for itself. Each 15c. doz. 30c. postpaid.

HARDY PHLOX.—There is no class of hardy plants more desirable than the perennial Phlox. They will thrive in any position and can be used to advantage to cover a hardy border in large groups on the lawn or in front of beds of shrubbery, bloom entire season if varieties. Each 15c. doz. $1.00, postpaid.

COLLECTION.—Six hardy shrubs, mailing size $1.00; larger $1.50. All different—our selection of varieties.
Nursery Department

Nothing is more healthful than fruit, and nothing more easily grown than berries. Many of our customers can offer rooms for a small bed of strawberries. A few rows of raspberries, blackberries, currants, or grapes, and most is more delectable than a dish of fresh fruit from your own garden. It is wonderful the amount of fruit which can be grown in a space thirty or forty feet square, and it costs but little for plants sufficient to fill. Remember also, that if more room or trouble to grow an apple or cherry tree than it does a shade tree and you will have more bear fruit, but you will have a few of the very best varieties such as we can recommend. The following prices are all for fruit. We ship carefully packed and charges prepaid except otherwise noted. Fifty or more of any variety at the 10 per cent. orders for nursery stock an amount to at least $0.50. Ask for special prices on large orders sending list of wants.

RASPBERRIES.

Any good ground is suitable for them, and they like it rich. Set in rows five feet apart.

REDFIELD.—A grand new variety introduced by us in 1898. Berries are unusually large and luscious, somewhat similar to Shafter's Colossal in color and shape. The canes are very vigorous and unusually free from thorns or spines. The foliage is similar to the Turner, yet it propagates from the tips of the cap varieties. It throws up a great many branches of fruit from the old canes; and in our trials, besides a great many old and new scions, it yielded three to four times as much fruit as any of them. But the crowning features of all are the unequalled flavor, which is superior to all others, and the fact that it is a very large, mass of unusually large size and holds together well instead of crumbling like the Shafter. The bearing of its shape is a grand point for market or canning, as well as can be appreciated by housewives. Don't fail to try it this year.

COLUMBIAN.—A seedling of the Cathcart. Originated in New York. In color and fruit it closely resembles the Shafter, if moderately larger. Little later than the Shafter with longer season. Plants make a strong growth the first year, and can be shipped at the rate of $3.00.

OTHER VARIETIES.—We can also furnish:
Oder, Kansas, Golden Queen, Souhegan, Shafter's, Cathcart, Greencroft, Ohio at $1.25 each. $1.25 per doz., postpaid.

Trees.

The following are not too large to mail. We deliver, carefully packed, on cars, but purchaser pays freight or express charges.


Crab apples 4 to 6 feet, select ... $0.35 $0.75
Page's Ideal and Patterson 1.75 3.00


Abundance 60 1.20


Cox's Orange 1.20 2.25

MULBERRIES—Russian. 3 to 5 feet. Each. Per Doz.

Saskatoon. 25 0.50

Eagles 25 0.50

Grape vines, 3 to 5 feet. Each. Per Doz.

Scotch Pin, 24 to 36 in. 65 1.20

White Pin, 18 to 24 in. 25 0.50

White. 35 0.70

Norway Spruce, 24 to 36 in. 65 1.20

Norway Spruce, 34 to 48 in. 80 1.50

White Spruce, 24 to 36 in. 65 1.20

Am. Arbor Vitae, 18 to 24 in. 25 0.50

Am. Arbor Vitae, 36 to 48 in. 75 1.50

Siberian Arbor Vitae, 24 to 36 in. 75 1.50

Balsam Fir, 18 to 24 in. 50 1.00

Red Cedar, 18 to 24 in. 40 0.80

ORNAMENTAL TREES.

Mound Ash, 4 to 6 ft. 60 1.20

Hard Maple, 6 to 8 ft. 80 1.50

Catnip Speciosa, 5 to 7 ft. 65 1.20

Cut Leaved Weeping Willow, 5 to 6 ft. 75 1.50

GOOSEBERRIES.

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. Color dark red when fully ripe. Under favorable conditions it bears immense crops. Each 30c, doz. $1.00, postpaid.

DOWNING and HOUGHTON. Each 30c, doz. $1.25.

STRAWBERRIES.

You cannot afford to do without them. Plant in rows three feet apart and fifteen inches apart each way for the 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 each one to help the growth. Ask for prices by the bushel.

PARKER EARLE.—The best variety for family use, as it is a perfect flowerer. The fruit is large, very firm, and healthy. Per doz. 40c, $0.80, postpaid.

GREENVILLE. (p.) A very productive sort either for the market or home use. Of even size, large, early, firm, fine color and unsurpassed quality. Plants vigorous and healthy. Per doz. 50c, per 100 $1.25, postpaid.

BISEY.—(p.) Vigorous, healthy and hardy, its long roots enable it to stand the severest climates. Firm and a good shipper. Per doz. 50c, per 100 $1.00, postpaid.

GARDNER.—Of extraordinary merit. It has a perfect flower and is a heavy polenizer. Berry shaped like Crescent, but much larger. Iron clad in hardness, and has the delicious flavor of the wild strawberries combined with its size, and is immensely productive. Per doz. 65c per 100 $2.50, postpaid.

OTHER VARIETIES.—Bubach, (p.) Wardwell, (p.) Bedderwood, Jessie and Crescent Seedling (p). Per doz. 35c, per 100 $1.40.

MOORE'S EARLY.

PARKER EARLE.
TOOLS AND IMPLEMENTS.

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a moving machine to the scythe in the hay field. All of the following tools have been thoroughly tested, and for their own particular class of work, having given splendid satisfaction. If you desire it, we will send illustration and descriptive clays of any of these tools.

PLANTER JR. TWELVE-TOOTH HARROW.—For fine cultivation, either deep or shallow, this has no equal. The recurved tooth and high frame prevent clogging, and the reverse position is given to the teeth in a short time by changing a single bolt in each. It is provided with a new lever wheel, used to regulate the depth with exactness; also with a purifier, which leaves the ground in the finest possible condition. As a harrow, the work done is most perfect, and with the teeth turned backward it is admirable for trash and leveling, and for crops just breaking through the surface. Price $7.50, or without purifier $6.00.

PLANTER JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planter Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built it will withstand incredible strain, yet it is light and easy to handle. The No. 8 combines all the latest improvements. Levers adjusting it in width and regulating the depth. Everything about the machine has been improved. Ask for circular, gives full description. Price $7.50.

PLANTER JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.—The latest improvement for 1888. A new tool which is giving good satisfaction and it has so many good points that we offer it with confidence. It will drop the seed either in a continuous row or in hills, 6, 9, 12, 18 and 36 inches apart. The drill is easily detached and the tool frame substituted. Has all one attachments shown in cut. Price complete $10.00. As a drill only $7.00. Attachments can afterwards be purchased for $3.50, to make a complete machine.

PLANTER JR. NO. 13 SINGLE WHEEL HOE.—Another new tool being same as above only without the drill attachment. Price $5.00.

PLANTER JR. NO. 3 SEED DRILL.—We regard this drill as the same of perfection, and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills, either 6, 9, 12 or 18 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. The hopper holds thirty quarts. The wheel is thirteen inches high. It is charged in a moment from hill dropping to drill work. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. It is nicely adapted to all conditions of land, working especially well in fresh ground or when planting on a ridge. Price $9.00.

PLANTER JR. NO. 1, COMBINED DRILL.

MESEE 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 "jinger" the crop, as the machine is under such complete control. Onions 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. Price $4.00.

ACME SEED DRILL.—A nice little machine which was tested by over 500 gardeners in all parts of the United States last year and gave splendid satisfaction and we therefore offer it with confidence to our customers this year feeling sure that it will please them. It will sow beet, cabbage, carrot, celery, lettuce, radish, turnip, and all such seeds with perfect regularity. It is utterly impossible for it to sow anything but accurately doing the work as thoroughly as the costly machines, and will cover ten times the ground that can possibly be covered by hand. It is simple and so easily understood by children that it can be instantly taught to use. So simple constructed it is easy to get out of order. By its use you will save time, save labor, make the work easier and get a better stand. If a longer handle is desired it can easily be attached but we make them short for convenience in shipping. Price $1.25. or to persons who order seeds from us also, the price will be only $1.00. charges prepaid.

PLANET JR. NO. 4 SEEDER AND CULTIVATOR.

PLANET JR. HILL DROP-DRILL (towball wheel).—Much like No. 3 seed drill, but it has two wheels, and is for that reason preferred by some gardeners. It holds two qts., and sows all kinds of garden seed, either in drills or hills, or continuous row. For full description ask for special price only $1.50.

PLANET JR. DOUBLE WHEEL HOE.

FEERLESS GARDEN CULTIVATOR.—This new tool has many features which will recommend it to the practical gardener. The handles are shaped so that the operator can lean on the hand and still have his leg free to operate the lever. No. 12 is the largest size and it is so made that it is no more work to cultivate with it than to trundle an empty wheel-barrow. Price $5.00.
GRANGER HAND SOWER.—A great improvement on the Cahuco and one of the best hand sowers on the market. It runs easily and does the work to perfection. Thoroughly well made, strong and lasting. Will sow clover, grass seed and small grain far better than by hand and much more rapidly. Price $3.00.

LITTLE GIANT HAND BROADCAST SOWER.—Simple in construction, light, and very easy to use. The machine known, from sowing orchard grass, blue grass, 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. Each $1.50.

IOWA BROADCAST SOWER. An improvement on the Little Giant in that it retains its valuable characteristics, but instead of working with a fiddle-bow, it is operated with a crank. We have had a large number of these made, and we know they will take well with our customers; price only $2.00.

EXCELSIOR WEEDING BOOK.—Useful to gardeners and homesteaders. Price 10c per doz. $1.00, or prepaid for 25c each.

HAZELTINE'S WEEDER.—Blade is solid steel, oil tempered and has five sharp edges. Price 35c; or prepaid for 25c each.

ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who do not have a small field or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. It is easily worked and is a most satisfactory tool in every way. Price $1.50.

CHILDREN'S GARDENING SETS.—For the children of the family. Price 5c, 25c, 50c, and $1.00 per set.

REDDICK MOLE TRAP.—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under or around it for only 50c.

TREE LABELS.—5½ inch, notched, 1,000 $2.00. 6½ inch, pointed, 1,000 $2.50.

TRELLIS.—15c to 50c per 100.

RAFFIA.—Excellent for tying asparagus and other vegetables. Gardeners should try this: per lb. 25c, 10 lbs. $2.00.

HOTBED THERMOMETERS.—Each $1.00.

GARDEN TROWELS.—3½ in. 1½ d. 6½ c.

FLORIST TROWELS.—Extra heavy, 4½ c.

COILY-CAVED AND CURVED SEED POTS TO KNIFE.—For the seed planter. Each 15c.

GARDEN TOOLS.—Hoes, rakes, spades, scuffle hoes, etc. A great variety at low prices.

HAMMOND'S SLAG 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 SLAG Shot, order a 5 or 10lb. pkg. and use it as prescribed. Not shipped. 5 lbs. 25c; 10 lbs. 50c; 50 lbs. $3.00; 100 lbs. $7.00; by mail, prepaid, 1 lb. 25c; 4 lbs. 90c.

DUSTERS.—For Hammond SLAG Shot, each 25c.

COLUMBIA CLOTH MOWER.—A great improvement well made mower at a very low price. Ask for circular. Price, 14c, 25c, & 75c, or one cutting a 16-inch swath for $1.00.

WIRE FLOWER POT STANDS.—For strength, beauty of design, and superior finish, our stands are unexcelled and, if equalized, the No. 10 Illustrated herewith has a very familiar style. Price only $2.50. Many other styles at low prices. Illustrated list free.

WIRE WINDOW SHELVES.—Thirty-six inches long. Each 75c.

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 are for pots and saucers: 4½-inch, 5c; 5-inch, 8c; 5½-inch, $1.00; 7½-inch, 50c; 8-inch, 8c; and 9-inch, 25c. Make no charge for packing or delivering at desk here. All orders for these mules must come to us at freight rate of 5c each. Many styles of handsome pots, hanging baskets and vases at very low prices.

WIRE FLOWER POT BRACKET.—Very neat and convenient. Each 15c, doz. $1.50.

FLUTED FLOWER POT.—A new and desirable style, excellent for use on the lawn. Price $5.00.

SULPHUR TOBACCO.—In the tests this has proved the most effective of any insecticide and is safe to use. Its chief ingredient is the gun of the richest sulphur, and it can be used on the lawn, 10 lbs. 75c, 25 lbs. $1.00, 100 lbs. $1.25, by the bale. Price postpaid.

LAWN FERTILIZER. A plant food which will force a luxuriant growth, also a very desirable and beneficial fertilizer for vegetable and garden crops. 10 lbs. 75c, 25 lbs. $1.00, 100 lbs. $1.25, by the bale. Price postpaid.

EXCELSIOR WEEDING BOOK.—Contains illustrations of various plants and their uses, which will be of great value to the farmer and gardener. Price $1.50.

SOOLEY PLANT SPRINKLERS.—Lawn sprinkler, 3½ ft., 1½ ft. Style 1c, 1½ ft. Style 1½ c, 2½ ft. Style 1½ c. Illustrated price list free.

SCOTTY SPRINKLER.—For irrigation and watering corn. Style 1½ c, 2½ ft. Style 1½ c, 7½ ft. Style 1½ c. Illustrated prices free.

LAWN TRIMMER.—For cutting edges not reached by lawn mower. Each 75c.

RUBBER HOSE.—Good strong quality which will please you. Per roll of 50 feet $3.00.

VALUABLE BOOKS.

It will pay you to read some of the following books which are sent postpaid on receipt of price. We can furnish any book, magazine or newspaper on agriculture or horticulture at the publisher’s price.


Onions: How to Raise Them Profitably.—By the practical details by horticulturists of practical onion growing. The A B C of Potato Culture.—By T. B. Terry. Revised. Price 4c.

Fitz’s Sweet Potato Culture.—Cloth. Price 60c.

Birds in Play and Perch in My Garden.—The author shows how he evoked a profit of $1,000 while carrying on pastoral and literary labors. Price $1.50.


Practical Fruit Grower.—By S. T. Maynard; 124 pages, fully illustrated. Price 25c.

Farmer on the Strawberry.—Price 25c.

Fuller’s Grape Culturist.—By A. S. Fuller. Price $1.50.

Fuller’s Small Fruit Culturist.—Price 35c.


Canning and Preserving.—By S. W. T. Salmon. Price 40c.

The Dahlia.—The only American book on this subject and it is a clear, concise, yet comprehensive treatise. Beautifully illustrated. Should be in the hands of every one. Price 50c.

Book on Canaries and Other Birds.—Price 25c.

POULTRY BOOKS.

American Standard.—Every poultry breeder should have this for a guide if he intends to keep or show pure bred fowls. Price $1.00.


Burnham’s Poultry Book.—Complete poultry culture at prices. Price $1.50.

Practical Poultry Keeper.—A very popular little book. Price 10c.

Some of Lee’s Ideas.—On poultry breeding.— Illustrated. Price 50c; our price only 25c.


Pigeon Queries.—Of interest to pigeon breeders. Price 25c.

500 Questions and Answers on poultry breeding. Price 25c.


Special.—Any five of the above 25c books for $1.00.
POULTRY SUPPLIES.

We handle a complete line of poultry supplies and are constantly testing new inventions in this line in order to handle only the best, which we are sure will please our customers. Prices are subject to importance and price changes; but prices are always given on special figures on large lots. Transportation charges to be paid by purchaser except where noted.

PHILADELPHIA POULTRY MARKER.—Available in all sizes and will hold 60 at a time. Can always be punched in the web of the foot. This handle enables us to handle birds always remains. We furnish a very convenient little spring pinch as shown in cut, for 25c per set.

WILSON’S BONE MILL, No. 1.—Will grind shell and dry corn for the little chickens, etc. Price, 80c; or without stand, 72c.

CROWN BONE CUTTER.—Believed by many to be fully equal to the Daisy, but it is not so heavy. It cuts easily, fine and fast. Has taken first premium at all shows. Price, $3.00; or without stand, 77c.

DAISY BONE CUTTER.—We have tried all kinds of bone cutters that we know of, and this is the one that has been made the best, cuts fine and fast, and is simple in construction, nothing to get out of order. Weight, 130 lbs..

POULTRY WIRE NETTING.—The best made, thoroughly galvanized to prevent rusting, properly twisted, made of No. 19 wire. In rolls of 300 feet long and of various widths. Prices as follows:

- **Width** | **Per Roll** | **5 Rolls**
- 18 inches | 1.15 | 5.65
- 24 inches | 1.50 | 7.60
- 36 inches | 3.00 | 15.00
- 48 inches | 3.75 | 18.75
- 60 inches | 4.50 | 22.50

Cut rolls at 1.00 per square foot.

GALVANIZED STAPLES.—For putting up nest and brooder shelves and many other purposes. Price, 50c; or without stand, 72c.

SUCCESSFUL INCUBATOR.—For years we have been experimenting with many different kinds, and have finally decided that there is better nor more generally satisfactory machine on the market than the Successful. It is thoroughly well built of best material, is simple in construction, and many tests have proved that it works much better than most machines. They are made for either hot air or hot water heating. We send with each incubator a complete instruction book, giving full details of all the machine and much valuable information on the care of poultry on a large scale, as well as for the 100-egg capacity, $10.00; 200-egg, $25.00. Ask for size on larger prices.

ECLIPSE INCUBATOR.—A cheaper machine, constructed on very similar principles to the Successful; our price, $25.00; or without stand, 50c.

HOT AIR BROODER.—A most excellent invention and the best "nesting-mother" for chickens, no matter whether hatched in an incubator or under hens. Price, 100-chick capacity, $8.00; 200-chick, $11.00; 300-chick, $15.00.

MARCHANT BEEHIVES.—These are the strongest and lightest for any other. 13-inch (made to order) $1.00 each.

WIRE STAPLING MACHINE.—Price $8.00.

STAPLING HAMMERS.—Price each 30c.

STAPLY BOX MACHINE.—With 10 boxes, make 2500 boxes per day. Price, $6.00.

CLIMAX GRAPE BASKET.—Illustrated herewith is the best for shipping grapes, cherries, etc. It is of the standard type, having a strong bottom and light package. Baskets are nested for shipment with the cover and handles in separate packages, also used for egg baskets.

INSECT POWDER GUN.—For sale at $1.00 each.

FRUIT PACKAGES.—Being the oldest and largest dealers in the west in fruit packages, we can place you in touch with the best made, at low prices, and in all sizes, for any length of season.

BERRY BOXES.—Made of white heart wood, smooth cut and perfect shape. Each box holds from 12 to 14 lbs., and will hold a wise measure quart. Price, $1.50 each.

CURTIS’S BEAK TOOTH—The best and effectual remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants fleas on dogs, etc. Price per pkg. of about 1 lb., 8c, or by mail 46c.

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FRUIT PACKAGES.
BIRDS.

“Little Devourers of Celestial Melody.”

The companionship of a bird will bring joy to the life and make the home more cheerful for every member of the family. In this department of our business we have a complete bird store and can furnish all varieties of cage birds, gold fish, etc. We can ship birds safely to the most distant parts of the United States. Express charges to be paid by purchaser on all goods on this page except where stated. Prices are subject to change.

HARTZ MOUNTAIN CANARIES.—These are a specialty with us. They are bred in stock by the owners of the Hartz Mountains, and are famous for their clear, pure, beautiful song which is a restful melody. There is no comparison between these and the common American “scratching” canary whose chirpy notes are at times almost ear-splitting. They are perfectly happy in the cage, require little care, and are more hardy than any other bird. Choose male birds $8.00 each. Second grade birds 50c each. Female Canaries.—For breeding, $1.00 and $1.25 each, according to plumage.

HARTZ MOUNTAIN CANARY.

ST. ANDREASEBB ROLLER CANARIES.—These birds are without doubt, the finest song-sters in the world. Their tones are sweet, round and full, consisting of delightful bell notes, low water bubble, charming flute notes, and long silverly trills and whistling. They can be taught to whistle a tune and their most restful music continually delights and surprises one by its many changes. They are an ideal bird for an invalid and are often presented by our customers to sick friends. Price $6.00 each.

NORWICH CANARIES.—Of most brilliant, dark yellow color. Price $8.00 each.

MOCKING BIRD.—The most beautiful songster of all American birds and has wonderful powers of mimery. Young birds $1.00, Singers $10.00.

RED BIRD, or CARDINAL.—A handsome bird with brilliant plumage and a good whistler. Price $2.00.

BRASS CAGES.—Thoroughly well made and de- cidedly better than pullet cages for birds. Steel, 6x6, $1.00; 6x7, $1.25; 7x10, $1.50; 7x14, $2.00. Fancy styles in larger sizes, $2.00 to $8.00 each.

BIRD SEED.—Best quality of pure, clean seed. Sicily Canary. German Sunner Rape, Russian Hemp, Paddy, Sunflower, Superior Mixed Bird Seed and Mixed Seed for Parrots. All 10c per lb.; 25c, for 25c. Fine Mixed Bird Seed 50c per lb. Mixed 30c per lb. If by mail add 10c per lb. for postage.

PREPARED MOCKING BIRD FOOD.—35c per package.

CUTTLE BONE.—Large 5c, small 2c each.

SONG RESTORE.—A medicine and food com- bined. Per pkg. 5c, 6 for 25c. Holders for same 10c each, postpaid.

BIRD INSECT DESTROYER.—Per pkg. 10 cents, postpaid.

BIRD CAGE SPRING.—10c each postpaid.

THE AQUARIUM.

A well regulated aquarium adds an elegance to any place and is one of the most desirable ornaments for the parlor, library, sitting or dining room. It offers a wide opportunity for the study of nature, the motion of animal life eliciting the admiration of all, while affording instructive amusement for the children. They require very little attention, and live a great many years.

The glass fish-globes are more popular than Goldfish.—Of beautiful golden red color, sometimes spotted or marked with black. Price $3, $5, and $10 each. The 50 cent size is the most popular.

PEARL FISH.—Clear pearly white, or varie- gated white and red. Styles and sizes, varying from $1.00 for boxes, making a handsome parlor ornament, all complete, securely packed for $1.50, worth $5.00. This is a great bargain.

NEW BIRD BOOK

Just issued, contains descriptions of all best kinds of canaries, with complete instructions on how to care for them, simple directions for feeding them, directions for training, etc. A full and complete instruction how to make an aquarium, care of fish, etc. Price 50 cents, or 10c to any one who has a bird or fish. Also contains price list of many more articles in this line. Price 10 cents.

MEXICAN DOUBLE YELLOW HEAD PARROT.

PARROTS.—When you wish to purchase a parrot it is always best to write and we will send list of such birds as we have on hand. Stock and prices change with the season, ranging from $4.00 to $7.00 each.

MEXICAN DOUBLE YELLOW HEAD PARROTS.—Rank highest in talking, singing, and whistling. Choice young birds $1.50 each. Trained birds begin at $1.50.

AUSTRALIAN PARROQUETS.—Beautiful little birds which can easily be taught many amusing tricks. Often called love birds. Price $6.00 per pair.

PARROT CAGES.—Either round or square. $2.50 to $5.00 each.

BIRD CAGE CHAINS.—10c each, postpaid.

BIRD CAGE HOOPS.—10c each.

WIRE NESTS.—10c each by mail 15c.

NESTING.—10c per pkg. By mail 15c.

JAPANESE FAN TAIL GOLD FISH.

BEAUTIFUL SEA SHELLS.

Everyone likes to have a few of these beautiful parlor ornaments to place on the mantel, brackets, center table, etc., and but few know where to obtain them. We carry a nice stock of them for sale to our local customers and this year decided to mention them in our catalogue for the benefit of patrons elsewhere. We have a great array of nice specimens ranging in price from 10c each and can make up collections to order to any amount that you wish to invest. We take special pains to select nice specimens for you from our town customers. We furnish the small shells in boxes at 15c, 25c, 30c, 40c, and $1.00 postpaid. Mixed shells for the aquarium, 50c postpaid for $1.00.

SHIPS make desirable presents as they are elegant ornaments and practically indestructible by fire or water.