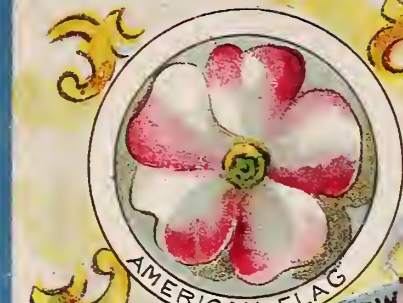


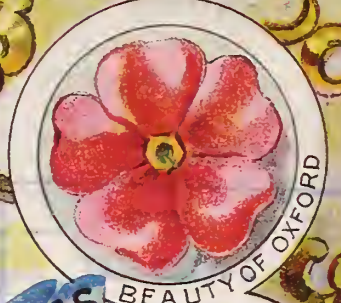
30TH ANNUAL CATALOGUE

1900

NEW CENTURY COLLECTION OF MAMMOTH VERBENAS



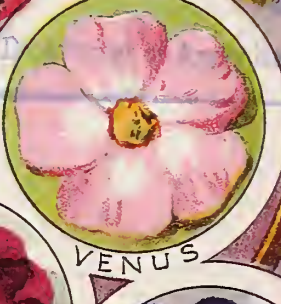
AMERICAN FLAG



BEAUTY OF OXFORD



WHITE BEAUTY



VENUS



CLIMAXER



ITALIA



MACHADEN



DOLORES



BLUE BOY



SAMBO

AURORA BOREALIS

STRONG PLANT OF EACH 75¢
SEED 15¢ A PACKET

FIRE BALL



IOWA SEED CO

SEEDS BULBS
ONLY ONE
THE BEST
QUALITY
PLANTS TOOLS

DES MOINES IOWA.

SEEDSMEN TO THE AMERICAN PEOPLE

Century Collection of Mammoth Verbenas.

Everybody likes verbenas. We say this without fear of contradiction, as no one can help enjoying the sight of a nice bed carpeted with the dark green leaves and brilliant blossoms. If for any reason you have been disappointed with verbenas be sure and try our "CENTURY COLLECTION" this year, as the varieties are grand beyond description. Our artist has tried his best to portray the magnificent colors on the front cover of this catalogue, painting the flowers from nature. The twelve varieties which we have selected for our CENTURY COLLECTION are unexcelled for large size, exquisitely beautiful coloring and profusion of blooms. Be sure and order at least one of the collections so as to have all of the best colors. Many of our customers will want a dozen or more each of several separate colors for solid massing or ribbon work in their beds. Verbenas cannot be excelled for a long bed beside a driveway or walk, and show up especially well when flanked by a row of geraniums.

FIREBALL.—This is the most brilliant dazzling color which can be imagined. Color is vivid scarlet, brightened by the large pure white eye.

AURORA BOREALIS.—The name describes the flower; a more beautiful play of coloring does not appear in any flower that you ever saw. Beautifully and irregularly striped white, pink, crimson and scarlet; a wonderful show of colors, a bushy plant, blooming profusely.

AMERICAN FLAG.—A beautifully striped variety named in honor of "Old Glory." Pure white, striped with most brilliant crimson.

WHITE BEAUTY.—Everyone wants a good white and this is the best. Very large flower, large truss, and pure snow white.

ITALIA.—A handsomely penciled purple and white flower; striping is very distinct.

CLIMAXER.—Extra large flower of bright scarlet color, a strong vigorous grower, and is really dazzling when in full bloom.

BLUE BOY.—Of pure deep heavenly blue color.

BEAUTY OF OXFORD.—The most popular pink variety in existence. Color is very rich and flower of immense size.

VENUS.—A beautiful large flower, delicate pink color shading to white in the center.

MACHADON.—Of deep, velvety, blood red color.

DOLORES.—The richest deep purple color imaginable, a royal shade.

SAMBO.—The nearest pure black that appears in verbenas, has just a slight shading of maroon.

One strong plant each of the above, postpaid for 75 cents. Any of the varieties separate 10 cents each; 75 cents per dozen, postpaid. If sent by express purchaser to pay the charges, we furnish them at \$4.50 per 100.

NEW CENTURY MAMMOTH VERBENA SEED.—Saved from the choicest flowers. By starting this seed early in the house and setting plants out at the proper season, you will obtain a fine showing of flowers the first year, but of course you cannot depend on getting all the named varieties which we list above. Packet 15 cts., 2 pkts. for 25c.

Foreign Orders.

Our trade with European countries, Australia, New Zealand, South Africa, the West Indies and other foreign countries, is increasing constantly, and while it is still somewhat expensive and slow to send large shipments by freight, small lots can be sent by mail quite easily. It is expected that in January a new ruling will go into effect reducing the postage to Porto Rico, the Philippines, Hawaii, Guam and Cuba but as yet it is impossible to state just what it will be. We are willing, however to prepay the postage on all vegetable and flower seeds ordered by the packet or ounce, at the prices named in our large catalogue, to Canada, Mexico, all parts of Europe, West Indies, Natal, Cape Colony, Australia, New Zealand, Hawaii, the Philippines, Japan, South America, India, and all countries of the Postal Union. Not more than 12 ounces can be sent in each package.

FREIGHT.—Persons ordering large quantities to be sent by freight to foreign countries must send sufficient money additional to prepay the freight from Des Moines to New York City or San Francisco, and also to prepay ocean transportation.

PARCELS-POST.—Packages not exceeding 11 pounds in weight can be sent by "parcels-post" to Bahamas, Barbados, Columbia, Costa Rica, Hawaii, Jamaica, Salvador, British Guiana, Windward Islands, New Foundland, Honduras and Trinidad, at the rate of 12 cents for each pound, which must be prepaid.

It will be well for customers in foreign countries to make inquiry from their postmaster for further information. Live Plants we pack in the best condition possible, but we do not advise ordering where plants will be a very long time in transit.

A Few Letters.

Received potatoes, clover seed and garden seeds all right, and I must say that your seeds are bright, choice and fresh. The potatoes are sound, showing careful selection; your sweet potato plants have always been "out of sight," much better than any I ever bought elsewhere.—George W. Dinsmoor, Ardmore, Mo.

The season here was very unfavorable for corn growing this year, and my common corn only yielded 16 bushels per acre, but I raised 80 bushels of your Profit corn on one and one-fourth acres or just about four times as much as my other varieties. I am well pleased with it and have no doubt that your Profit corn will yield 100 bushels on good land.—J. W. Tate, Coles Co., Ill.

The Iowa Silver Mine Corn received from you was planted May 30th, and still it matured thoroughly and made a good crop. The ears are unusually large for this northern country, about ten to ten and one-half inches long. Have been using your seeds for 20 years and am well pleased with them.—Peter Lambert, Martin Co., Minn.

The Turkish Red Winter Wheat that I purchased from you raised a splendid crop—42 bushels per acre.—John Althouse, Clinton Co., Mo.

I was very much pleased with the seed I received from you last year, and consider them the best I ever bought. Hurrah for the Iowa Seed Co.—Hugh Hodges, Leap Wood, Tenn.

PROSPERITY COLLECTIONS.

YES, we are prosperous—we are enjoying a large and increasing trade, and we realize that our success is due to the kind orders sent by those who know that our Choice Iowa Seeds, Plants and other goods are UNSURPASSED IN QUALITY. To help our customers enjoy their life this summer shall be our aim, and there is nowhere that you can be happier than at home in your garden if you have a good one that you can be proud of. Right here at the first of our catalogue we want to make these special offers.

PROSPERITY VEGETABLE SEED COLLECTION.—Consists of one full sized packet each of Washington Wakefield Cabbage, White's New Excelsior Tomato, Dewing's Improved Beet, Giant Pascal Celery, Perfect White Spine Cucumber, California Cream Butter Lettuce, Mammoth Prizetaker Onion, Improved Guernsey Parsnip, Improved Chartier Radish and Golden Ball Turnip. A total of 10 packets worth 60 cents for only 25 cents.

PROSPERITY FLOWER SEED COLLECTION.—Consists of one full sized packet each of Improved American Hollyhock, New Double Calliopsis, Madam Gunter's Hybrids Nasturtiums, Early Dawn Cosmos, Royal Mixed Asters, Mixed Varieties Dianthus Pinks, Japanese Striped Maize, Imperial German Pansy, and Imperial Mixed Sweet Peas, making a total of 9 packets worth 62 cents for only 25 cents.

PROSPERITY BULB COLLECTION.—Consists of 1 choice French Canna, 1 nice Gladiolus, 1 Spotted Calla, 1 Excelsior Pearl Tuberose, 1 Maderia Vine, 1 Cinnamon Vine and 4 Lily of Valley. Total 10 bulbs worth 65 cents for only 25 cents.

PROSPERITY PLANT COLLECTION.—A nice assortment consisting of one strong plant each of Alaska Carnation, Weeping Lantana, Swanley White Violet, New Paris Daisy, and S. A. Nutt Geranium. A total of 5 plants worth 60 cents for 25 cents.

We prepay the postage on all the above collections. They cannot be changed or divided, as the only way that we can sell them at these special prices is by putting up a very large number of them.

Cut Flowers.

In response to numerous inquiries and for the accommodation of our customers in places where there are no greenhouses, we have arranged to fill orders for cut flowers promptly whenever our customers may require them. Owing to the fluctuation in the value of cut flowers at various seasons of the year, it is impossible to give a list of prices in this catalogue, but we will quote lowest price on any list of flowers desired, by mail.

Roses vary from \$1.00 to \$4.00 per dozen, and Carnations from 25 cents to \$1.00 per dozen. They are always much higher at Christmas and Easter than at any other time.

BOUQUETS OF FLOWERS.—We put up nicely assorted bouquets of good flowers suitable for a present or for decorating with, at from \$1.00 to \$5.00 each.

BRIDE'S BOUQUETS.—\$2.00 to \$10.00 each.

BUTTONIERS FOR GENTLEMEN.—75 cents to \$2.00 per dozen.

FLORAL BASKETS.—We will fill baskets tastefully with nice cut flowers at \$1.00 to \$15.00 each.

We can furnish a great variety of floral designs thoroughly well made and we are sure they will prove satisfactory to the most critical. The following designs for weddings and funerals are most called for.

WEDDING EMBLEMS.—We have bells, wish-bone, horse shoe and hook and eye at various prices ranging from \$5.00 to \$10.00 each.

FUNERAL DESIGNS.—The most popular styles are the following: ANCHOR.—12-inch \$2.50; 16-inch \$3.50; 20-inch \$5.00. BROKEN WHEEL.—16-inch \$5.00; 24-inch \$10.00; CROSSES.—12-inch \$1.50; 16-inch \$3.00; 20-inch \$5.00. CRESCENTS.—10-inch \$2.00; 14-inch \$3.00. GATES AJAR.—14-inch \$7.00; 18-inch \$9.00; 21-inch \$12.00; 30-inch \$20.00. HARPS.—12-inch \$2.50; 16-inch \$5.00. KNIGHTS OF PYTHIAS DESIGNS.—\$5.00, \$10.00 and \$15.00. MASONIC.—\$7.00; \$10.00. KNIGHTS TEMPLARS.—\$10.00. ODD FELLOWS.—\$5.00; \$10.00. PILLOWS.—12-inch \$3.00; 15-inch \$5.00; 21-inch \$10.00. SICKLES.—12-inch \$2.00; 18-inch \$5.00. STARS.—10-inch \$2.00; 12-inch \$3.00; 16-inch \$5.00. WREATHS.—8-inch \$1.50; 10-inch \$2.50; 12-inch \$3.00; 14-inch \$4.00. These prices are for flowers sent by express, purchasers to pay charges.

CASH should be sent with all orders for cut flowers. When it is necessary to have flowers promptly for funeral purposes, customers can have some bank or well known responsible business firm telegraph order for them and we will ship C. O. D., or money can be sent by telegraph if desired. We do not make shipments C. O. D. to strangers whose responsibility we have no way of ascertaining.

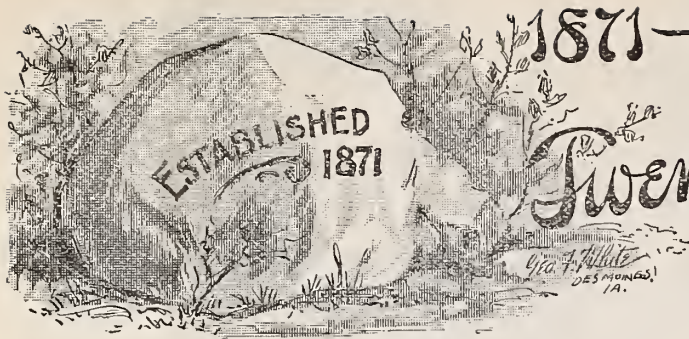


JADOO FIBRE.

We most highly recommend this new material for growing plants in and request our customers who like nice flower plants to give it a trial. It is a light spongy substance and plants grow in it very vigorously, stocky, and show more brilliant foliage and finer, more continuous bloom. There is no manure in any form in its constitution therefore it is clean as well as free from weeds. It can be mixed with soil if desired, but if used alone smaller pots may be used than would otherwise be employed. Press it tight around the roots when potting and water seldom as the fibre retains more than double the moisture that ordinary soil will. Price 30 cents per lb., 3 lbs. 75c by mail postpaid. By express or freight per lb. 10c, 3 lbs. 25c, 10 lbs. 60c, 25 lbs. \$1.00.

BERRY BOXES

Since the part of our catalogue in which fruit packages are listed was printed there has been a great advance in price of all kinds of lumber and we are therefore obliged to withdraw quotations on these goods. Prices may decline again before fruit season begins, but we request fruit growers to write for quotations whenever they desire to purchase.



1871

1900

Twenty Nine Years Successful Business!

DES MOINES, IOWA, January, 1900.

Hearty Greetings and Good Wishes

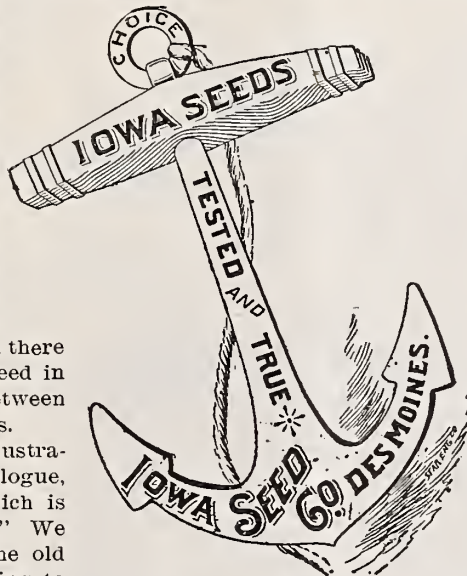
Are hereby extended to our FRIENDS AND CUSTOMERS who have so kindly favored us with their orders during the past year, which has been the best season that we have ever had, and now as we are entering our thirtieth year in the seed trade and the closing year of the nineteenth century, we are resolved to make it by far the best in the history of this house. To accomplish this object we have enlarged and greatly improved our catalogue, comparing the descriptions with the crops growing in the field and carefully revising them so that they shall be correct in every particular. We have dropped some varieties which have been supplanted by better ones.

The GARDENING PUBLIC AND FARMERS EVERYWHERE are requested to thoroughly examine all parts of this book which we have tried to make of practical value to everyone. Do not be satisfied to devote your entire crop to old varieties, but test some of our new improved sorts and in this way add greatly to your yield and also improve the quality.

Our store is as conveniently arranged a building as there is in America for the seed business and orders can be filled with great rapidity, our mail during the busy season averaging 1,000 to 2,800 letters and postals per day. About five blocks away, located beside the railroad tracks, is the warehouse where large quantities of seed are stored and hauled to our city store as needed.

We Grow Our Seeds, either on our own place or have them grown from carefully selected stock seeds and it requires the entire seed crop from about 4,800 acres to supply our trade. The soil and climate of Iowa are specially adapted to growing and maturing most seed crops, still there are some varieties which will produce better seed in other localities and we have this year traveled between 6,000 and 7,000 miles inspecting our growing crops.

OUR COLORS—For many 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 are proud of this title and love and honor the old flag as every true citizen should, and are trying to uphold the principles for which it stands, since the late war, however, many firms are using the flag simply for advertising purposes, and this year we show "OUR COLORS" in another form.



We are determined to do business in such a manner as to give our patrons complete satisfaction and secure their entire trade and retain it from year to year. In almost every neighborhood in America our seeds are known and used and our highest ambition is to deserve the title which has been applied to us, namely,

SEEDSMEN TO THE AMERICAN PEOPLE

Again thanking you for past favors, respectfully soliciting a continuance of your patronage and wishing you a happy and prosperous new year, we remain,
Your friends,

IOWA SEED CO.

M. KURTZWEIL, *President.*
CHAS. N. PAGE, *Treasurer and Manager.*

What Our Postmaster Says: *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 hear no complaint from their customers.*
Respectfully,
EDW. H. HUNTER, P. M.

24 YEARS A CUSTOMER.—"I have been a customer of the Iowa Seed Co. since 1875 and always intend to be so long as they prove as satisfactory as in the past. Both they and their seeds are reliable."—J. C. Jessup, Fairmount, Ind.

SUGGESTIONS TO CUSTOMERS.

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

SHIPPING.—There are five express companies and fifteen railroad lines at Des Moines, so that quick shipments can be made to any town in the United States. It is well to remember that express charges are usually very much higher on heavy goods, and you should order them sent by fast freight.

CHARGES PREPAID.—All Vegetable and Flower Seeds, Bulbs and Plants, except those noted, are sent *prepaid* by mail or express by the quickest and most direct route, unless ordered otherwise, and we guarantee their safe arrival. Seeds sold by the peck or bushel, field seeds, potatoes, implements, and other heavy goods are sent by freight or express, purchaser paying charges.

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 up thousands of packets of seeds for free distribution among our customers, by adding liberally of them to orders. We will allow you a discount of ten cents per pound on vegetable seeds, such as are listed as prepaid, if you are willing to have them sent by express or freight at your expense.

SMALL ORDERS.—If you only want a single packet, do not hesitate to send for it. We take as much pains to fill small orders promptly and correctly as we do large ones. Orders for Flower Plants and Nursery Stock, however, must amount to at least fifty cents.

PLANT ORDERS.—Orders for plants will be filled as early in spring as we consider it safe to send them. If ordered for immediate shipment in severe weather they will be sent at purchaser's risk.

WHAT WE GUARANTEE.—That all money sent us for seed shall reach us if sent by registered letter, P. O. or express money order or bank draft, made payable to our order. That your order will be filled promptly and well. That goods ordered will reach you safely. **KEEP A COPY** of your order. Sometimes persons think that they have ordered articles which they have omitted, and blame us for not sending them.

ABOUT WARRANTING.—We thoroughly test all our seeds and nothing is sent out which we do not believe to be good in every respect. Still, when it is considered how many are the contingencies on which the success of any crop depends, such as sowing too deep or too shallow, too wet or dry soil, unfavorable weather, insects, etc., our customers will readily see that it would be sheer folly for anyone to warrant them to produce a perfect crop, and we want it plainly understood that while we exercise the greatest care to have all seeds pure and reliable, and also true to name, we do not give any warranty, express or implied. If the purchaser does not accept the seeds on these terms and conditions, they are to be returned at once, and the money that has been paid for same will be refunded. No officer, agent or employee of this company is authorized to make any warranty whatsoever. However, we have so much confidence in our seeds that we hereby agree to refill any retail order for *vegetable or flower* seeds free of charge should they prove otherwise than as we represent them. We know of no responsible seed firm in the world which guarantees seeds any further than this. Compare with other seed catalogues and you will find that we are right.

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

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

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



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

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

ARTICHOKE.—*Ger. Artischoke.*

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

LARGE GREEN GLOBE.—The best variety for general use; buds large; scales green, very thick and fleshy. Pkt. 5c; oz. 25c; ¼ lb. 90c.

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

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

One ounce will produce about 3,000 plants.

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

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

ENGLISH.—Per pkt. 5c, oz. 15c.

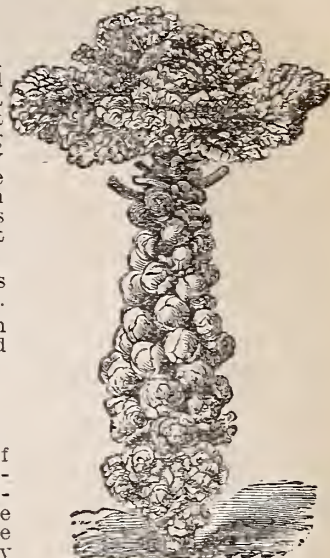
BROCCOLI.—*Ger. Broccoli.*

One ounce will produce about 3,000 plants.

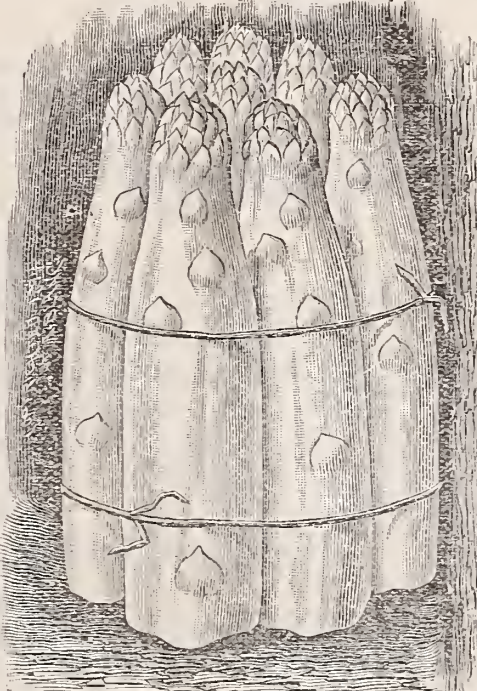
Growth and habit like the Cauliflower, except that it is more hardy, and the heads are not as compact. Cultivate the same as Cauliflower.

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

EARLY LARGE WHITE.—Pkt. 5c, oz. 30c.



AMERICAN MAMMOTH BRUSSELS SPROUTS.



COLUMBIAN MAMMOTH WHITE ASPARAGUS.



LARGE GREEN GLOBE ARTICHOKE.

ASPARAGUS.—*Ger. Spargel.*

One ounce will sow forty feet of drill.

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

COLUMBIAN MAMMOTH WHITE.—A new and entirely distinct variety, that produces shoots which are white and stay white as long as fit for use. It is more robust and vigorous in habit, and throws up larger shoots and fully as many of them as Conover's Colossal and requires no earthing up in order to furnish the white shoots so much sought after. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

PALMETTO.—Stalks frequently measure two inches in diameter, and, even when twelve inches long, are perfectly tender when cooked. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

CONOVER'S COLOSSAL.—The standard variety. Pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 40c.

ASPARAGUS ROOTS.—See list of vegetable plants.

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

One ounce will produce about 3,000 plants.

A hardier vegetable than cabbage; excellent greens during winter and spring; splendid winter food for poultry. Is improved by frost. Cultivate same as Cabbage. For winter, sow in September, and treat as Spinach, giving it a light covering of straw or litter to protect from severe cold.

EXTRA CURLED MOSBACH.—Fine crimped leaves; light green color; admirable for garnishing. Best for cooking. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

DWARF GERMAN GREEN.—Popular. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 75c.



EXTRA CURLED MOSBACH KALE.



PLEASE REMEMBER.

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

BEANS.-Dwarf Bush Varieties.

One quart will sow one hundred feet of drill.

Dwarf or Bush beans require no support, and should be planted in drills an inch and a half deep and drop the beans three inches apart in the drills. Beans are tender annuals, and cannot be planted until danger of frost is past. Keep clean, and do not hill up or hoe when wet. A sandy loam is the best. The half pint packages will be found very desirable for small families. We furnish pints at one-half the quart price. Price includes postage. See special prices by the peck or bushel on page 22. Packets contain about two ounces.

IMPROVED EARLY VALENTINE.—About ten days earlier than the common Early Valentine. In addition to this, it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening, nearly the whole crop can be taken at one picking, usually within 35 days after planting. Crop is quite short this year, and while apparently we have sufficient for ordinary demands, still stock may be exhausted late in season. Better order early if you prefer this sort. Pkt. 5c. ½ pt. 15c. qt. 45c.

LONG YELLOW SIX WEEKS.—Very early and prolific; long, green, tender, flat pods; matures quickly. Pkt. 5c. ½ pt. 15c. qt. 35c.

EARLY REFUGEE, OR THOUSAND TO ONE.—Most prolific green podded sort, thick and fleshy. Per pkt. 5c. ½ pt. 12c. qt. 35c.

STRINGLESS GREEN POD BUSH.—The only stringless green pod bush bean in cultivation. Consequently it surpasses all others in crisp, tender flavor. The finely shaped, long, green pods are absolutely stringless, and when we add that the pods are ready to market two weeks earlier than the best stock of improved extra early Red Valentines, we are sure that Stringless Green Pod will supply a long felt want. It must prove of immense value, not only to the market gardener who wants to make more money, but also to the amateur who seeks a rare quality early for the home table. Per pkt. 5c. ½ pt. 20c. qt. 60c.

ROGERS' LIMA WAX.—A decided novelty. Its bright, glossy foliage and bloom resemble Dwarf Lima. The pods are the broadest of all wax beans, of most excellent quality as snaps, and retain their bright and attractive appearance a long time after picking. Has a delicious Lima flavor. Pkt. 5c. ½ pt. 20c. qt. 60c.

IMPROVED GOLDEN WAX.—In spite of all the new sorts of beans being introduced every year, our trade calls for more Golden Wax than any other variety. This great popularity is due largely to the fact that the variety we have is a great improvement on the old Golden Wax having larger pods and being much more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods being of dark, rich golden yellow color and of perfect shape. For family or market you can make no mistake in planting them. Per pkt. 5c. ½ pt. 15c. qt. 45c.

SCARLET FLAGEOLET WAX.—This is really one of the most valuable varieties for either private or market garden purposes. It is as early as either the Black or Golden Wax sorts, and has a peculiar value in the fact that it is nearly always exempt from rust. The pods are often a foot in length exceedingly succulent, stringless and tender. It is an enormously productive variety. Per pkt. 5c. ½ pt. 15c. qt. 50c.

CALIFORNIA BRANCH, OR PROLIFIC TREE.—This is quite a valuable variety for field culture. Grows about 20 inches high, has stiff, upright branches and bears immensely, sometimes yields 45 bu. per acre. The beans closely resemble the White Navy. Per pkt. 5c. ½ pt. 12c. qt. 35c.



IMPROVED VALENTINE.

DAVIS' WAX.—A new white, rustless, productive, wax-podded bean; pods flat, very long, white, straight and handsome; seeds clear white; excels all others in hardiness and productiveness. Valuable for market gardeners' and canner's use. Pkt. 5c. ½ pt. 15c. qt. 50c.

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 snap or shell. Pkt. 5c. ½ pt. 15c. qt. 50c.

BLACK WAX.—Popular with market gardeners. Per pkt. 5c. ½ pt. 15c. qt. 40c.

HENDERSON'S BUSH LIMA.—Grows in compact bush form, producing enormous crops of delicious Lima beans which can be as easily gathered as the common garden bush bean; is at least two weeks earlier than any of the climbing Limas, produces a continuous crop from the middle of July until frost. Enormously productive. A very small patch will supply a family with this splendid vegetable throughout the season. Pkt. 5c. ½ pt. 15c. qt. 50c.



HENDERSON'S DWARF LIMA.

YOSEMITE MAMMOTH

YOSEMITE MAMMOTH WAX.—Pods frequently attain a length of ten to fourteen inches, with the thickness of a man's finger, and are nearly all solid pulp, the seeds being very small when the pods are fit for use. The pods are a rich golden color and are absolutely stringless, cooking tender and delicious. The cut shows one-half of a pod, and exhibits the size and fleshy thickness of this monster wax bean. Extremely productive. Per pkt. 5c. ½ pt. 20c. qt. 60c.

BURPEE'S BUSH LIMA.—A dwarf or bush form of the true large Lima which is of great value. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yielder, each bush bearing from 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Per pkt. 5c. ½ pt. 15c. qt. 50c.

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

The beans are ivory white and double as large as the Navy. Pkt. 5c. ½ pt. 12c. qt. 35c.



EARLY MOHAWK.

EARLY MOHAWK.—Very early and will stand more cold than most bush varieties. Vines large and stout with very large coarse leaves; will stand a slight frost. This variety is largely grown in the southern states for northern markets. The pods are from 5 to 6 inches long; the seeds, when ripe, drab with purple spots. Pkt. 5c. ½ pt. 15c. qt. 40c.



BURPEE'S NEW STRINGLESS GREEN POD

POLE BEANS.

One quart will plant 100 to 150 hills.

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

OLD HOMESTEAD.—This is an improvement on the Kentucky Wonder, and we regard it as far ahead of any other early green podded pole variety, being fit for the table August 1st. 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 kindling wood when gathering a mess for family use. The dry beans are long, oval, uncolored 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. ½ pt. 15c. qt. 50c.

LAZY WIFE'S.—This Pole Bean, for so long the favorite with Pennsylvania farmers, has become very popular. We presume it derived its name from its immense productiveness, and from the ease with which they are cooked. The pods, of medium dark-green color, are produced in great abundance, and measure from 4½ to 6 inches in length. The illustration herewith represents a natural-size pod; they are broad, thick; very fleshy and entirely stringless. The pods retain their rich, tender, and stringless qualities until nearly ripe. Each pod contains from six to eight round white beans, which make excellent winter shell beans. Per pkt. 5c. ½ pt. 15c. qt. 50c.

GOLDEN CLUSTER.—The pods are a beautiful golden-yellow color and of large size, averaging from seven to eight inches long and three-fourths of an inch in width. Although the pods are quite flat, they are fleshy, absolutely stringless, and very brittle, while their flavor is delicious. Per pkt. 5c. ½ pt. 15c. qt. 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. Pods very large, bright carmine 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. ½ pt. 20c. qt. 60c.

KING OF THE GARDEN LIMA.

—An improvement on 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 very large beans. Per pkt. 5c. ½ pt. 15c. qt. 45c.

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

CUT SHORTS.—The old-fashioned corn-field bean which is so popular and often so difficult to obtain. Per pkt. 5c. ½ pt. 15c. qt. 50c.

WHITE DUTCH CASE KNIFE.

—Good green-podded variety. A great favorite in the east, yielding an immense crop of handsome flat white beans of excellent flavor. Cooks easily. It will pay you to try a few pole beans this year. Pkt. 5c. ½ pt. 15c. qt. 45c.

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

Remember

We pay the postage on beans at these prices

DEDUCT 15 CTS.

On each quart if to be sent by express or freight.

CAULIFLOWER.

One ounce will produce about 3,000 plants.

One of the most delicious of vegetables. Any soil that will grow cabbage will grow cauliflower, as their requirements are very similar. Culture same as cabbage, except that they need a cool and moist atmosphere and should be watered during dry weather. As the flower heads appear, the large leaves should be broken down over them to shield them from the sun and rain.

HENDERSON'S EARLY SNOWBALL.—Throughout the country this is considered not only the earliest of all cauliflowers, but it is more certain to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as eighteen to twenty inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice and cannot be excelled. It is grown in the locality where this variety originated, by a grower whom we believe to be the best in the world. Per pkt. 15c. ¼ oz. 75c. oz. \$2.50.

EXTRA EARLY DWARF ERFURT.—Valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Per pkt. 15c. ¼ oz. 60c. oz. \$2.00.

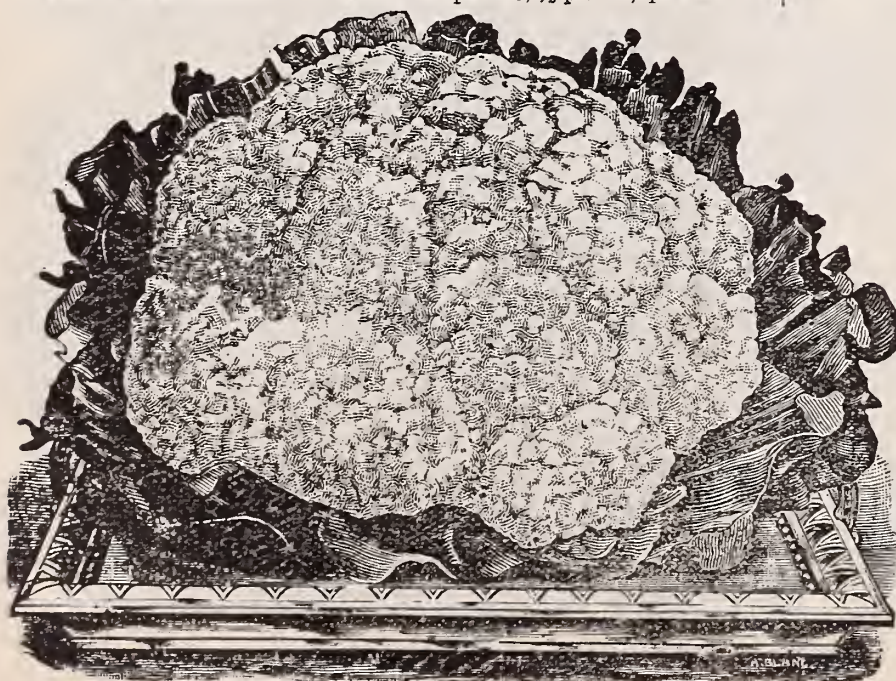
EARLY PARIS.—Well known small variety which usually proves quite satisfactory. Have made price low this year so that all can try this excellent vegetable. Per pkt. 5c. oz. 50c.

LENORMAND'S.—There is considerable call in this market for a late variety of cauliflower, and in the Lenormand's we have just what is wanted. It is of large size and produces well formed heads of excellent quality. Per pkt. 10c. oz. 65c.

CAULIFLOWER PLANTS.—See list Vegetable Plants.



OLD HOMESTEAD BEANS.



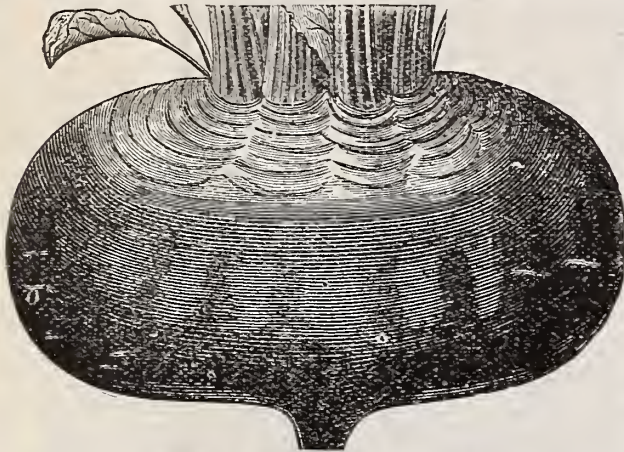
HENDERSON'S EARLY SNOWBALL CAULIFLOWER.

BEETS.

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

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

IOWA SEED CO.'S MARKET GARDENER'S BEET.—Crop an entire failure this year.



CROSBY'S IMPROVED EGYPTIAN.

ECLIPSE.—This variety has become exceedingly popular, and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform globular shape. The roots are a bright glossy red, fine-grained and delicious, with none of that earthy flavor so objectionable in many varieties. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c

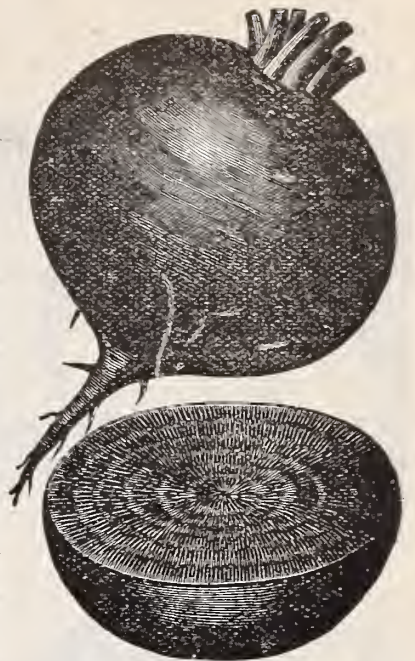
DEWING'S IMPROVED BLOOD TURNIP.—An improvement on the old Early Blood Turnip. Globe shape; deep blood-red color, fine flavor, a good keeper for main crop. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

CROSBY'S IMPROVED EGYPTIAN.—We believe this to be the earliest variety in existence. It was originated by Josiah Crosby, a leading market gardener for the Boston market, and is a great improvement on the old Egyptian, being thicker, handsomer and more regular in shape, smooth, with very small tops and small tap root. It is of perfect shape when small thus making a good beet for bunching, and is very popular with the Des Moines market gardeners for this purpose. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

EDMAND'S BLOOD TURNIP.—One of the best varieties grown for main crop. While not a strictly first early beet, it follows very closely and is the most uniform of all turnip beets, with very small tops and short foliage of a rich red. The roots are handsome and round, very smooth, of good marketable size, and for table use no variety can excel it in fine quality. The skin is deep blood-red; the flesh is also dark red and exceedingly sweet and tender. We are sure our customers will be greatly pleased with it. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c.

LONG DARK BLOOD.—Our stock of this standard variety is greatly improved; smooth, sweet and tender. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 45c.

SWISS CHARD, or SILVER BEET.—A distinct vegetable and much superior to the common beet for greens. The roots are of no value as beets. Sown early in the spring it makes a rapid growth of leaves, and is fit for use for greens sooner than any other variety. Later the leaves grow very large, with broad, flat, beautifully white, wax-like stems and midribs, which may be cooked like asparagus or made into most attractive pickles. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



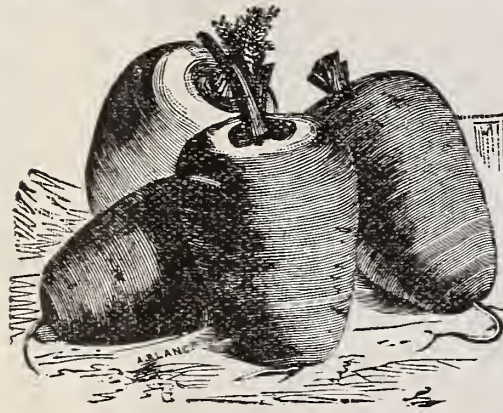
EDMAND'S BLOOD TURNIP.

CARROTS.

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

This is an indispensable root for the farm and is deserving of more general cultivation. Well managed, there is no crop pays better, and most farmers would find an acre or so desirable. Carrots form a nutritious, succulent food in the winter for horses, cattle, sheep and pigs. 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, but as carrot seed is slow to germinate, extra precautions should be used to firm the soil after sowing. An average yield is 800 to 1,000 bushels per acre. Our seed is saved from carefully selected stock and is sure to please you. About 1,200 seeds in a packet.

EARLY SCARLET HORN.—Favorite for early crop, but not large. Sold largely in New York markets bunched. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.



OXHEART CARROT.

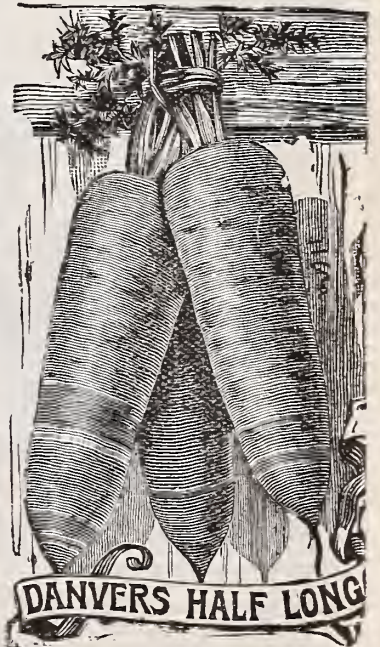
OXHEART.—We do not hesitate to call this the most valuable variety in existence. It is intermediate between the Half-Long and Horn varieties, attaining a diameter of 3 to 4 inches at the neck, of beautiful shape and rich orange color. Where other varieties require digging it is easily pulled. It will produce roots as early as any variety and continues of the best quality all the season. It is excellent for hogs and other live stock and has yielded 1,200 bushels per acre. Cut off tops with a scythe and pull roots out with potato hooks. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c.

DANVERS.—Is in form about midway between the Long Orange and Shorthorn class, growing generally with a stump root. It is of a rich, dark orange color, grows to a large size, is smooth, and the flesh very close in texture, with little core. It is a first-class carrot for all soils. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

IMPROVED LONG ORANGE.—One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length, and three inches in diameter at the top. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

LARGE WHITE VOSGES.—A stock variety which is enormously productive, grows well out of ground, making it easy to harvest. Color light green above ground white below; flesh rich, white, solid and crisp; heavy yielding. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c. By express, 5 lbs. or more, 50c per lb.

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; good keeping qualities; 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, easily harvested. All who have cattle should raise a quantity of these carrots for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in perfect health and condition at all times. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c. By express, five pounds or more 50c per pound.



MANGEL & SUGAR BEETS FOR STOCK.



Extensively grown in all parts of the country for feeding stock. Sow in April or May in drills three feet apart, and thin to ten inches in the row. If your soil is deep and mellow, try the long varieties; if shallow the round kinds will do better. No crop pays the farmer or stock raiser better than mangels; 1,000 bushels to the acre is an ordinary yield, while, with good culture, 2,339 bushels have been grown to this amount of ground. It costs, counting labor, use of ground and everything, less than \$50 to raise an acre of mangels and gather and store them. This, for an ordinary yield, is a cost of only five cents per bushel. They make the cheapest of foods for all kinds of live stock—horses, cattle, sheep, pigs, chickens, etc. Easily grown and they help to keep stock in good condition and free from disease. Dairy-men claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full direction for culture and storing mangels, will be sent on application. Use 5 lbs. seed to an acre.



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

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

Klein-Wanzleben SUGAR BEET.

MAMMOTH GOLDEN GIANT.—An improvement on the long yellow mangel, being of considerably greater size, more than half above ground and of a more grayish or rather russet yellow color. Remarkably even in shape, rather elongated, of vigorous growth; it has a fine neck and a very smooth skin. Flesh white, firm and sweet, much liked by cattle. In short, a magnificent root, easily lifted from the ground, producing enormous crops. Excellent keeper; yields 40 to 60 tons per acre. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lb. \$1.50.

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

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

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

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

\$10.00 PRIZE.

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

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

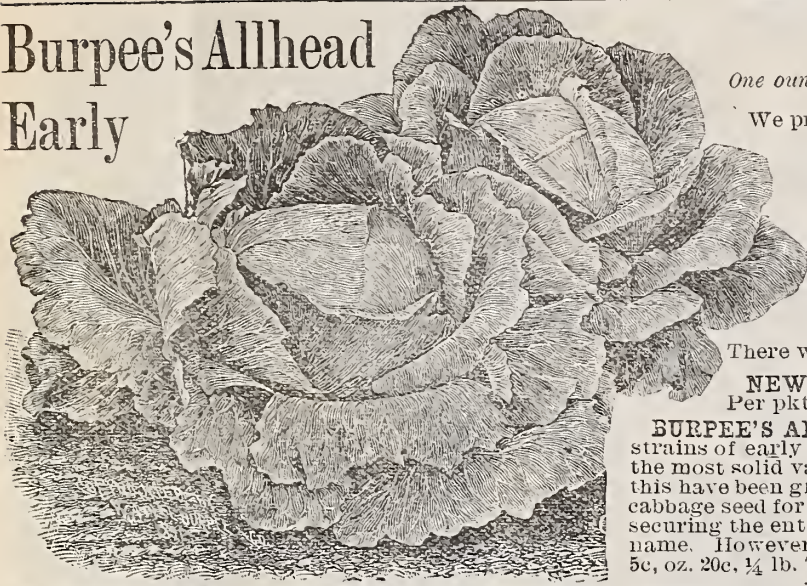
VILMORIN'S IMPROVED SUGAR.—Best and sweetest of the French Sugar Beets. Under average conditions it has yielded 14 tons of roots to the acre, containing about 16 per cent of sugar. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c. By express, 5 lbs. \$1.75.

DANISH SUGAR BEET.—An improved strain of the White French Red Top sugar beet which is wonderfully fine for feeding to milch cows and will add greatly to the milk production as well as to its richness. It will yield as much or more than any variety of mangels and we consider it superior to any variety of sugar beet or mangel for feeding. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. By express, 5 lbs. \$2.25.

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

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

Burpee's Allhead Early



IMPROVED DANISH BALLHEAD.—This variety has been selected and perfected for more than fifty years by the Danish gardeners. They prize it so highly that they grow it almost exclusively for winter cabbage, and annually export large quantities to London, Paris and other cities. It will stand long journeys and keep far into the spring, and is of most mild and rich taste. Heads round as a ball, of good size, solid and very fine grained. Has but few outer leaves, thus admitting of close planting. Medium size and hardiest of all, tender and crisp with but little waste heart. Has pleased thousands of our customers. Per pkt. 5c, oz. 25c, ¼ lb. 85c, lb. \$3.25.

IOWA SEED CO'S SHORT STEM DRUM HEAD.—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past ten years, and so greatly has it improved during the time that we have had it that in a large field it is almost impossible to find a head that is not solid and well formed. For sureness in heading, regularity of growth and even, large solid heads. Our Short Stem Drumhead is certainly the finest cabbage now extant. It far surpasses any other strain which we have seen, ripening evenly with very short stem or stalk, and large, thick, solid heads of silky fine quality and of best keeping properties. It is almost all head and always sure to head. Per pkt 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

**NEW
SHORT STEM DRUMHEAD
CABBAGE.**

EXTRA EARLY EXPRESS.—Excels in earliness all other sorts, has but few outside leaves and therefore may be planted very close and yield large crops. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

PERFECTION DRUMHEAD SAVOY.—The Savoy or curly cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. The variety we offer is the finest of the Savoys. Heads large, finely curled and an excellent keeper. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

FAULTLESS.—Of the early summer type but far more regular and uniform in time of maturing. It is a rapid grower and good keeper. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

MARBLEHEAD MAMMOTH.—Largest of all: have in some instances grown to a weight of 60 pounds, and the heads of such size that they would not go into a two-bushel basket. Good for exhibition at fairs, but too loose headed and uncertain for main crop. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

MAMMOTH RED ROCK.—A market gardener's strain of unusual size, color and weight. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.50.

FINE RED PICKLING.—Deep red color, medium size; unsurpassed for pickling. Per pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.50.

SUREHEAD.—Very reliable in heading, good shape and large size. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

CHASE'S EXCELSIOR.—Medium early and not excelled for sure solid heading which is the highest recommendation for a cabbage which must mature in the trying heat of summer. Another remarkable feature is that it never cracks. Very popular with our southern customers. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

CABBAGE PLANTS: See list of Vegetable Plants.

CABBAGE.

One ounce of seed will produce about 3,000 plants. Set 8,000 to 10,000 plants to the acre of the early sorts and 6,000 of the large, late kinds.

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

The cabbage requires a deep, rich soil, and thorough working to insure good, solid, full-sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops in May or June, in shallow drills six inches apart. When the plants are four inches high transplant into richly manured ground, the early kinds two feet apart. The fall and winter varieties three feet apart. Packets contain about 800 seeds. There was a very short crop of all kinds of cabbage seed this year.

NEW WASHINGTON WAKEFIELD.—See description with novelties. Per pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.50.

BURPEE'S ALL-HEAD EARLY.—At least a week earlier than any of the various strains of early summer cabbage, and fully one-third larger, of perfect shape and the most solid variety on the list. Market gardeners to whom we furnished seed of this have been greatly pleased with it. Originated with C. L. Allen, who has grown cabbage seed for many years for us, but our competitor, Mr. Burpee, was fortunate in securing the entire stock of it the first year of its introduction, and gave it his name. However, we can most heartily recommend it to our customers. Per pkt. 5c, oz. 20c, ¼ lb. 70c, lb. \$2.25.

EARLY JERSEY WAKEFIELD.—Considered by many gardeners the very best first early variety. It is of large size for so early a kind, and is certainly deserving of its great popularity. Heads hard and solid, and have few outside leaves. Our seed is the highest quality—American grown. Crop is very short this year. Per pkt. 5c, oz. 25c, ¼ lb. 80c, lb. \$3.00.

HENDERSON'S EARLY SUMMER.—Ten or twelve days later than than the Jersey Wakefield, but much larger in size, and will stand on the ground much longer without bursting open. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

WINNINGSTADT.—Cone-shaped summer sort; when sown late it is good for fall and even winter; a sure header and good keeper. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.25.

ALL SEASONS.—(Vandergaw.)—This most excellent variety is as early as Henderson's Summer, and makes considerably larger and harder heads. It is also excellent to plant late the thickness of the head making it a capital sort for keeping through the winter. Per pkt. 5c, oz. 25c, ¼ lb. 80c, lb. \$2.50.

PREMIUM FLAT DUTCH.—This old and well known variety is still the standard winter kind. Its heads are large and solid; also first-class as a keeper. Per pkt 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

FOTTLER'S IMPROVED BRUNSWICK.—Excellent for summer and fall use. Per pkt. 5c, oz. 15c, ¼ lb. 50c, \$1.75.



PERFECTION DRUMHEAD SAVOY.

CELERY. 4 BEST SORTS.



CELERY. *One ounce will produce about 6,000 plants.*

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

GOLDEN SELF-BLANCHING.—This is by far the most popular variety now on the market. It is of medium earliness, of dwarf, compact habit, with thick, solid, heavily ribbed stalks which blanch easily to a clear waxen yellow. When grown in rich, moist soil the stalks are numerous and large with a solid heart of beautiful yellow. The best grade seed is scarce this year. Pkt. 5c, oz. 30c, ¼ lb. \$1.00, lb. \$3.50.

NEW PINK AROMATIC.—This splendid variety which was introduced by us, will, we think, eclipse all other sorts of its class in popularity as soon as it becomes known. It is of most attractive pink and white color. Crisp and tender; fine aromatic, nutty flavor; best for winter; blanches easily. Don't fail to try it. Per pkt. 5c, oz. 30c, ¼ lb. \$1.00, lb. \$3.25.

HENDERSON'S HALF DWARF.—Entirely solid, possessing a rich nutty flavor, while it has much vigor of growth and heavy bunch. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

OLD CELERY SEED.—For flavoring. Per oz. 5c, ¼ lb. 15c, lb. 4c.

CELERY PLANTS.—See Vegetable Plants.

BOSTON MARKET.—The leaves are a dark green, the stalks when blanched being nearly white. It is an excellent variety, solid, crisp and tender. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

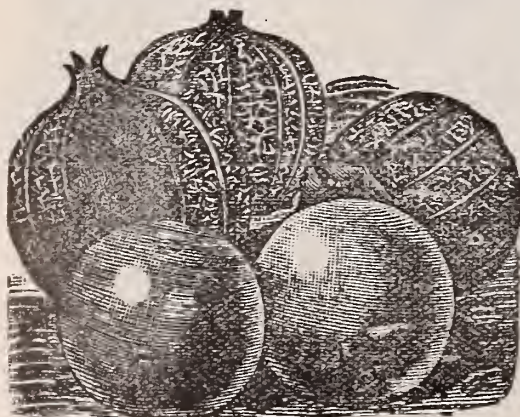
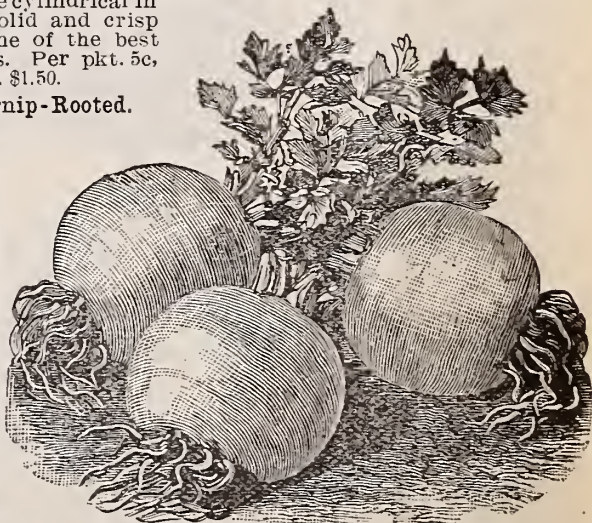
WHITE PLUME.—The stalks, portions of the inner leaves and heart are naturally white and become fit for use by simply tying it up closely with soft twine. More used than any other variety by market gardeners. Our seed is of the highest quality and sure to please all. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

GIANT PASCAL.—Stalks remarkably large, thick, solid, entirely stringless, very crisp and brittle. It is a vigorous grower and is self-blanching, requiring only a few days' earthing up, when the outer stalks present a beautiful clear white appearance. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

GOLDEN DWARF.—When blanched, is of a waxy golden-yellow color; the stalks are cylindrical in shape and most solid and crisp in quality, and one of the best keeping of Celeries. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

CELERICAC, or Turnip-Rooted.

Grown exclusively for its roots, which are *turnip-shaped*, smooth and tender. The roots are cooked and sliced; used with vinegar they make an excellent salad, also used for flavoring soups. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.70.



IMPROVED YELLOW GROUND CHERRY.

GROUND CHERRY. TURNIP-ROOTED CELERY.

IMPROVED YELLOW.—Another year adds only to the popularity of this already popular little fruit which we introduced, and it is now listed in the catalogues of the leading seedsmen of the country to whom we supply seed. It is a great improvement on the wild Ground Cherry. They grow well on almost any dry soil; are easier raised than the tomato, and are prolific bearers, and oh! what luscious fruit! For sauce they are excellent, and for pies nothing can equal them for taste and flavor. They are delicious as preserves, and when dried in sugar are much better than raisins for cakes and puddings, and they will keep, in the 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 portion to the Ground Cherry. Per pkt. 5c, ½ oz. 25c, oz. 40c.

PURPLE HUSK TOMATO.—This fruit is quite popular in some places. The plants produce handsome purple fruit in great abundance, which are from one to two inches in diameter and enveloped in a husk similar to the yellow Ground Cherry. Per pkt. 5c, ½ oz. 25c, oz. 40c.

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 Cherries for only 15c.

SWEET CORN.

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

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

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

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

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

EARLY MINNESOTA.—A standard early variety that has held a high place in the list of sweet corns ever since its introduction. The ears are of good size, well flavored and of the best cooking qualities. Valuable for either private or market use. Per pkt. 5c, ½ pt. 10c, qt. 30c.

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

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

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

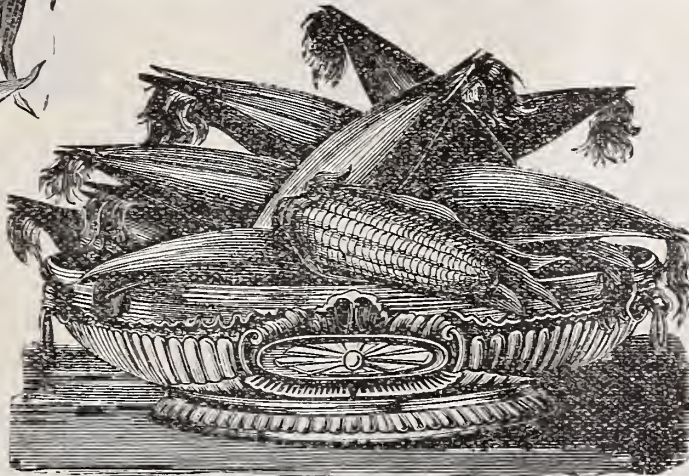
EVERGREEN FODDER.—Valuable crop for dairymen. Per qt. 25c.



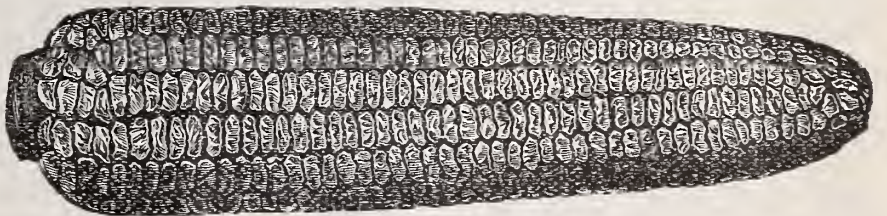
COUNTRY GENTLEMAN.

COUNTRY GENTLEMAN.—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; the crop can be counted on to give three to five ears to a stalk. When this unusual abundance is coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is very small, thereby giving great depth to the kernels, which are of pearly whiteness, and, we cannot say too often—surprisingly sweet and tender. Per pkt. 5c, ½ pt. 15c, qt. 40c.

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



NEW CHAMPION EARLY.



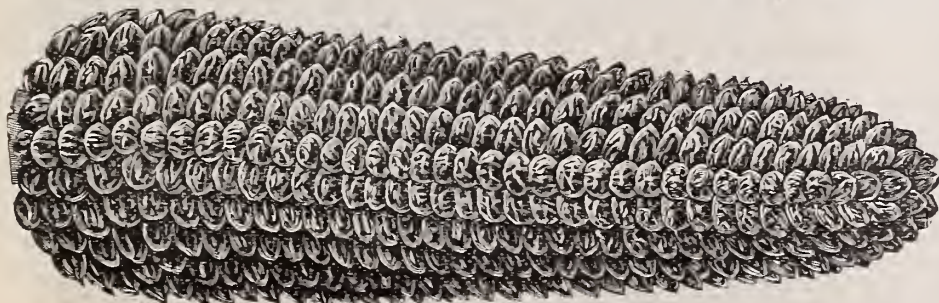
STOWELL'S EVERGREEN.

POP-CORN.

It pays to raise pop-corn as a general crop. Demand usually exceeds the supply. Some farmers claim that it is as easily grown as field corn and they receive three to four times the amount per acre for the crop. For 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.—The best, handsomest and most attractive variety of pop-corn in existence. The color is a clear, translucent white, and each kernel is beautifully striped with bright crimson. Our illustration does not do it justice. The ears are of good size, and well filled out; kernels are long and pointed, resembling rice. Early, very productive, and very tender when popped, bursting out very large, white as snow and of finest quality. All should try it. Per pkt. 5c, ½ pt. 15c, qt. 50c.

MINIATURE.—A regular little beauty. Attractive on account of its small size and handsome, perfect shaped ears which are only two to three inches long, with very deep, pure white kernels which pop to immense size. Three to eight ears to a stalk. Pkt. 5c, ½ pt. 15c, qt. 50c.



PAGE'S STRIPED RICE POP-CORN.

NEW DYE POP-CORN.—A new variety producing sometimes 10 to 12 good sized ears to each stalk. The name is given it owing to the large amount of dark wine red coloring matter contained in the husks, which can be used for dyeing cloth or making ink. Kernels are white and pop well. Per pkt. 5c, ½ pt. 20c, qt. 65c.

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

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

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

CORN SALAD.—Ger. Lammersalat.

One ounce will sow about 20 square feet.

A nice winter salad. Sow in September in drills. Just before cold weather cover with straw or leaves. Per pkt. 5c, oz. 10c, ¼ lb. 30c.

COLLARDS.—Ger. Blatter-Kohl.

One ounce will produce about 3,000 plants.

GEORGIA.—Sow in May, and treat as cabbage. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

CHICORY.—Ger. Chicorie.

One ounce will sow about 15 square feet.

LARGE ROOTED.—Used as a substitute for coffee. Cultivate as carrots. Take up the roots in the fall, cut into small pieces and put away to dry. When wanted for use, it is roasted and ground like coffee. It is now being extensively grown in some parts of Iowa and Nebraska for commerce. Pkt. 5c, oz. 10c, ¼ lb. 3c.

CUCUMBERS.

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

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

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

WESTERFIELD'S IMPROVED CHICAGO PICKLE.—Mr. Westerfield, having been engaged in growing pickles for Chicago pickle factories for many years, and also in supplying them with seed for other growers, has watched carefully and selected his seed stock from the best.

JAPANESE CLIMBING.—This may be described as the sensational novelty of Europe. The seed was originally brought from Japan, and has proven thoroughly adapted to open air culture throughout Europe and America. The vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils, which enable it to climb trellis, wire netting, brush or any other suitable support. It comes into bearing quickly and continues to set fruit abundantly throughout the season. Of large size, from 12 to 16 inches in length; cucumbers thick, tender, of delicate flavor, cylindrical shape, flesh pure white, skin dark green, turning to brown and netted when ripe; of excellent quality for slicing. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.



IMPROVED CHICAGO PICKLE.

most prolific and early maturing vines having the most desirable shaped cucumbers for pickles. Consequently his strain is now considered by all growers in that vicinity to be the best stock to grow. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

WHITE PEARL.—Bears freely throughout the season, and the cucumbers grow so thickly together that they actually lie piled one upon the other. The skin is very smooth and of beautiful pearly white; even the young fruits are of a very light color, nearly white. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

PERFECT WHITE SPINE.—For many years we have been growing and improving this variety on our seed farm, and as a result we offer to our customers this improved strain, pronounced by good judges superior to either Peerless or Arlington. Fruit even and good size, straight, well formed and symmetrical. When small it is deep green in color, and of uniform shape, making it unexcelled for pickling. When of usual size for slicing it still holds its color, shading to a light green at blossom end. Immensely productive, and keeps longer solid and crisp than any other variety. Outyields any other for pickles. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c. By express, 5 lbs. or more 45c per lb.

EARLY CLUSTER.—Grows in clusters. Productive and of good quality. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

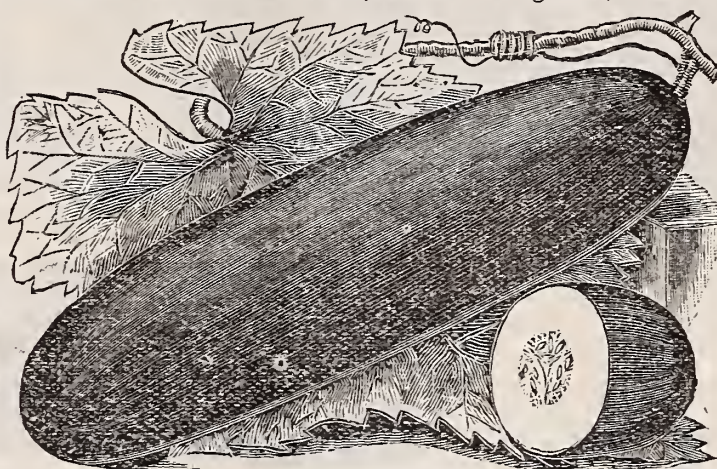
GREEN PROLIFIC.—A splendid pickling sort. Very productive. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50.

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

EARLY FRAME, OR SHORT GREEN.—An old variety which will always be popular for general use as it is good both for pickles and slicing. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

IMPROVED LONG GREEN.—A standard sort. Vine vigorous and productive, forming fruit fit for the table nearly as early as the shorter sorts; fruit about 12 inches long, firm and crisp. The young fruit makes one of the best of pickles, and when ripe is the best of any for sweet pickles. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60.

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



EMERALD CUCUMBER.

EMERALD.—A new variety from Ohio, which retains every good point in the best strains of White Spine, and in addition, possesses that rich, dark green color which has so long been sought for but never before obtained. It is strictly an evergreen, retaining its color until fully ripe. Its fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. It is highly recommended as a slicer. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

BOSTON, OR JERSEY PICKLE.—Is used almost exclusively by the market gardeners near Boston for pickling. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

GOURDS.

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

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

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

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

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

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

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

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

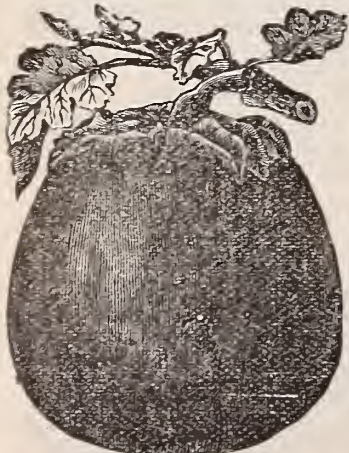
EGG PLANT. Ger. Eierpflanze.

One ounce will produce about 1,000 plants.

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

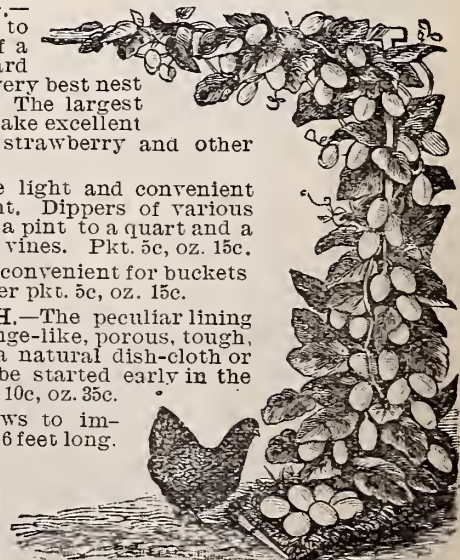
IMPROVED NEW YORK.—Our strain of this leading market variety we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Per pkt. 5c, oz. 35c, ¼ lb. \$1.25, lb. \$4.00.

PEARL WHITE.—Pure creamy white, with slight shading of light green near the stem; very fine grain, well flavored and makes one of the most palatable dishes either baked or fried. Pkt. 10c, oz. 40c, ¼ lb. \$1.40.



IMPROVED N. Y. EGG PLANT.

most palatable dishes either baked or fried. Pkt. 10c, oz. 40c, ¼ lb. \$1.40.



LETTUCE.

One ounce will sow 120 feet of drill.

Probably no vegetable is more universally used than Lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. As it requires but little room and is of the earliest culture, there are but few families that cannot have it direct from the bed. The quality of lettuce depends largely upon a rapid and vigorous growth. Sow in hot-bed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For a succession sow every three weeks during the season. The soil should be rich and mellow. Thin out plants as they grow, so that the plants left to head will stand 10 to 12 inches apart.



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

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



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



NEW MIGNONETTE.—A most unique and attractive new sort. The entire plant measures only 7 inches in diameter, and is very solid and compact. The small surface of the leaves which are separated from the head is deeply crumpled and richly colored with russet and bronze green of varying shades. The heart is of a creamy yellow waved with pale greenish white. It is fit for use early, which combined with its long-standing character, constitutes it an all-season variety in the superlative degree. Per pkt. 5c, oz. 15c, ¼ lb. 40c.



NEW MIGNONETTE LETTUCE.

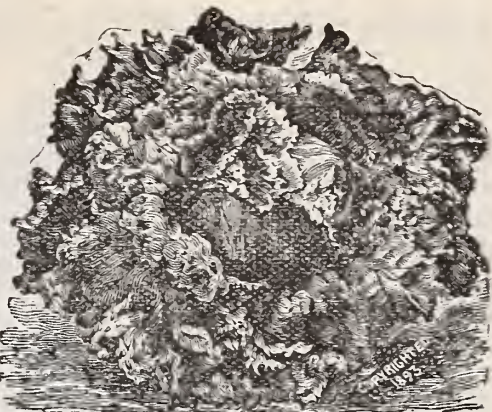
SALAMANDER.—An excellent spring, summer and fall variety, forming good-sized heads, that stand drought and heat longer without injury than any other sort; matures very early. Per pkt. 5c, oz. 15c, ¼ lb. 45c, lb. \$1.40.

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

LEEK.

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

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



ICEBERG LETTUCE.

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

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

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

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

MIXED VARIETIES.—Seed of about 20 early, medium and late sorts mixed together, thus giving lettuce for the table during the entire season, and giving an opportunity to examine all the leading varieties with but little expense. Per pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.10.

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



LARGE ROUEN LEEK



MUSK MELON.

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

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

ROCKY FORD.—See Novelties. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25

PAUL ROSE.—See Novelties. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

IOWA MASTODON.—See Novelties. In packets only. Per pkt. 10c.

MCCOTTER'S PRIDE.—This variety is the result of long continued, skillful breeding and selection with the purpose of securing a very large melon of spherical shape, with flesh of fine grain and high quality. The effort has been most successful, and we are confident that it will please all who plant. The fruit is very large, nearly round, evenly and moderately ribbed, dark green in color, partially covered with gray netting. The orange red flesh is very thick, sweet and of fine flavor. We earnestly urge all lovers of good melons to try this splendid new sort. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

PERFECTION, or PRINCESS.—This splendid variety is nearly round, with heavily netted, dark green skin; the flesh is of a rich salmon color, and in flavor it is sweet and luscious beyond description. They ripen early and grow to a good size, often weighing 8 to 10 lbs. each. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 60c.

OSAGE.—One of the best melons on the market for family use and also greatly liked by gardeners. The skin is thin, of dark green color and slightly netted. The flesh is salmon color, remarkably sweet and spicy in flavor, extremely 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, ¼ lb. 20c, lb. 60c.

GRAND RAPIDS.—The main characteristic of this melon is its extreme earliness; has been on the market two weeks earlier than any other sort and sold readily at \$2.50 per dozen to hotels and fancy grocers, while melons grown in the south were practically unsaleable. The flesh is pure yellow clear to the rind; skin finely netted. To attain the best results, and to show its remarkable earliness and productiveness, we would advise our customers to pinch off the runners; thus throwing the growth into the fruit, and making it of large size and earlier. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

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, ¼ lb. 20c, lb. 60c.

BANQUET.—The flesh is dark rich salmon color, uniformly thick and of that granulated character which always indicates a good melon. Of round shape, densely netted over its entire surface. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

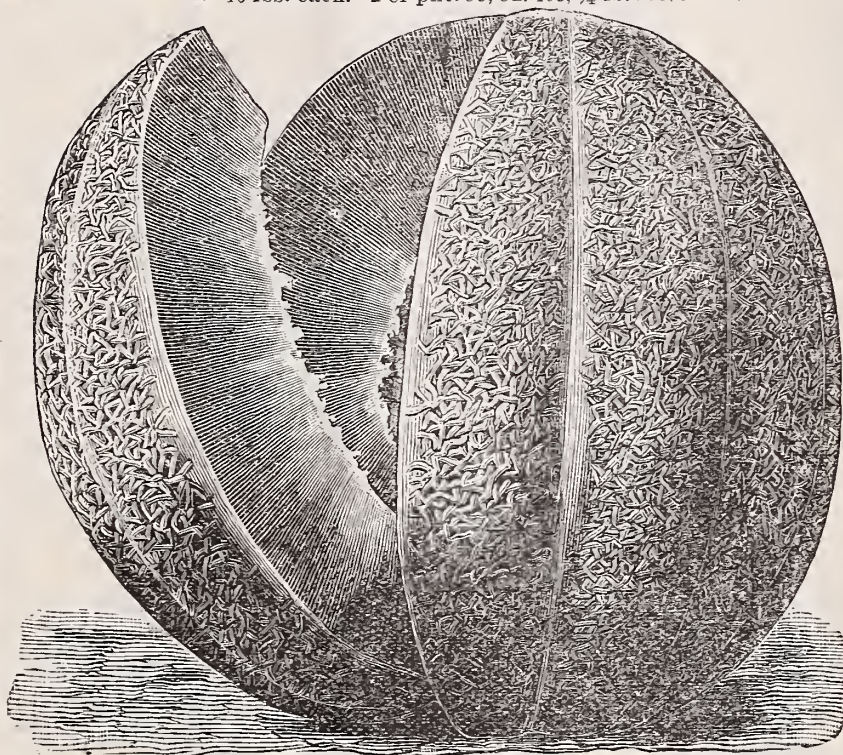
IMPROVED CANTALOUPE.—Flesh of a light yellow color and delicious flavor. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

BAY VIEW.—One of the most prolific melons in cultivation. It has been grown to weigh from fifteen to twenty pounds and from fifteen to eighteen inches long. It is hardy, vigorous, and continues a long time in bearing. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

NETTED GEM.—A most excellent small melon and very popular with melon growers. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

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 flavor. Pkt. 5c, oz. 10c, ¼ lb. 20c, 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 smells like one, hence the name. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.



OSAGE.

IMPROVED GREEN NUTMEG.—A greatly improved strain of the old Green Nutmeg. Fruit of a fair size, very rich, melting, and of exquisite flavor, flesh light green. Very productive. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

IMPROVED EARLY HACKENSACK.—Large size, rich flavor; a great improvement on the Turk's Cap or Hackensack and 19 days earlier. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

MONTREAL MARKET.—Of large size; flesh thick; fine flavor. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

WINTER PINEAPPLE.—Do not ripen on the vines, but have to be picked before hard frost and laid away in a cool, dry cellar for long keeping. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

PERFECTED DELMONICO.—This improved type of the Delmonico melon is almost a perfect globe in shape; the skin a peculiar grayish 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, is of very fine grain and uniformly high quality. It is a strong grower and very prolific. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.



Mixed Musk Melons: All of the above and a few other kinds grown separately and the seed mixed together. Will produce melons throughout the entire melon season. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

WATERMELON.

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

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

BLUE GEM.—See Novelties. Per pkt. 5c. oz. 15c, ¼ lb. 45c, lb. \$1.25.

ORANGE.—See Novelties. Per pkt. 10c, oz. 20c.

COLE'S EARLY.—Decidedly the finest early variety for the private garden, but is too brittle for long shipments. It is very early and will mature further north than most other sorts. Of medium size, very productive, continuing to bear throughout the season. Flesh of bright red color, of granulated, sparkling appearance. In flavor it is lusciously sweet and refreshing. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

PEERLESS, or ICE CREAM.—(White seeded.) Of unquestionable quality, very early, of medium size, thin rind, flesh bright scarlet. Per pkt. 5c, oz. 10c, ¼ lb. 2c, lb. 60c.

FORDHOOK EARLY.—Has proved to be the largest early variety on the list. From seeds planted May 10th, ripe melons were produced the last of July. The rind is tough, making it valuable for shipping. Color a uniform medium green; flesh red and very sweet. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

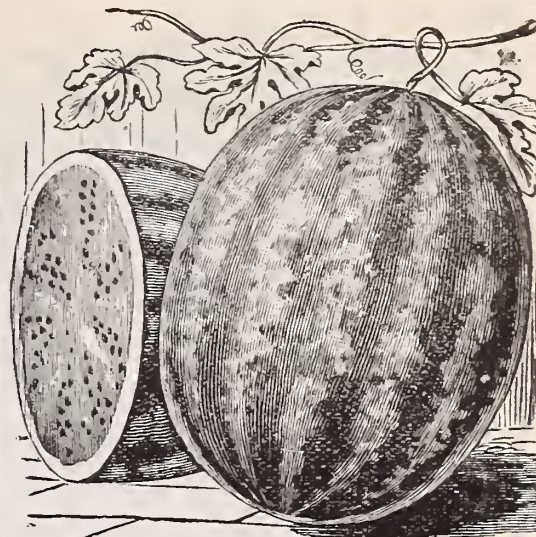
WONDERFUL SUGAR.—We are greatly pleased with this variety which we found growing in Nebraska. The gentleman on whose place they were growing is an enthusiast on melons and after testing quite a number of varieties, all persons present united in pronouncing the Wonderful Sugar by far the best. It is a large melon, averaging about 35 pounds each. They are long, rather light-colored, mottled and irregularly striped with dark green; rind rather thin and tough. Flesh a delicate red, and the most tender, juicy and luscious that can be imagined. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 70c.

DUKE JONES.—This magnificent large melon has a dark green rind slightly striped, flesh bright red, very juicy and delicious. It matures medium early, is very prolific and much larger than the Kolb's Gem. A carload of 800 melons averaging 43 pounds each were gathered from two-thirds of an acre. A prominent grower writes that they produced

ripe melons sixty-five days from planting. Very desirable both for shipping and for the family garden. Everyone who has a place to grow melons should try this splendid new variety. It has been grown to immense size and even the largest specimens hold their good flavor. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

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 8 to 10 days earlier than either, has a remarkably thin, tough rind, and will keep and ship well. Each vine matures 7 to 8 large melons. The flesh is bright scarlet, of fine quality almost down to the skin. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

GYPSY, or GEORGIA RATTLESNAKE.—A superior early market variety: large, oblong, the skin green mottled and striped. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c.



COLE'S EARLY.



DUKE JONES MELON.

KOLB'S GEM.—This variety, on account of its excellent shipping qualities, is extensively grown for that purpose. Grow nearly round, and the color is a dark green with lighter narrow stripes. Very thin and tough rind. Flesh bright red and of good flavor. Our seed is choice. Per pkt. 5c, oz. 10c, ¼ lb. 15c, lb. 45c.

PRIDE OF GEORGIA.—Very popular with Des Moines growers. It is of a dark green mottled color, nearly oval, somewhat ridged; grows partly upon its end, is firm, will ship well, attains a large size, and is very sweet and crisp. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

GREEN AND GOLD.—Large size. Flesh as yellow as gold. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

SWEET HEART.—Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Carloads of Sweet

Hearts were sold at fancy prices in the market when no other sorts were saleable. Its vines are vigorous and productive, ripening its fruit early. The fruit is large, oval, very heavy, uniformly mottled light green and dark green. Rind thin but firm. The flesh is bright red, firm, solid but very tender, melting and sweet. Fruit remains in condition for use longer than any other sort. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

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 mottled color of shell. 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 heavy. The fruit keeps long in good condition and is not excelled for shipping. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

VICK'S EARLY.—Highly prized for its extra earliness. Oblong in shape, smooth, size medium, flesh bright pink, solid and sweet. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 70c.

CUBAN QUEEN.—Flesh bright red, luscious, crisp and sugary. An excellent keeper. Large size. Per pkt. 5c, oz. 10c, ¼ lb. 20, lb. 65c.

PHINNEY'S EARLY.—Early, medium size, and quite productive. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

MOUNTAIN SWEET.—The old standard. Best quality. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

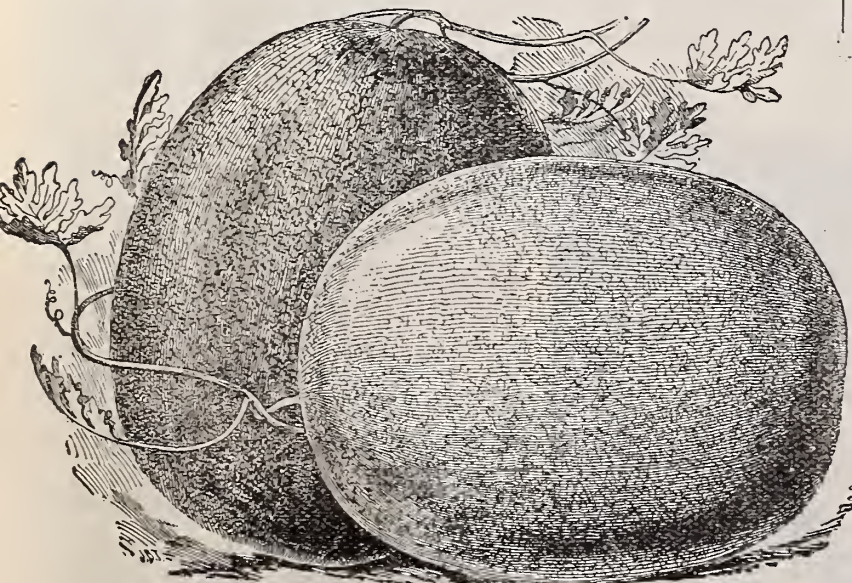
MIXED WATERMELONS.—25 Varieties of the finest watermelons, the largest, earliest, sweetest. Grown separately and seed carefully mixed by us. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

CITRON MELON.

COLORADO PRESERVING.—Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

RED SEEDED CITRON.—Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

APPLE PIE.—The best flavored of all. Per pkt. 10c.



SWEET HEART WATERMELON.



Good onion seed is of the utmost importance, as onions are one of the most important crops grown, both in market and family gardens, and there is no other vegetable where the quality of the seed exerts a greater influence upon the crop than onions. There is more money in onions grown from seed than almost any other crop. Fully realizing this, we have for many years made a specialty of onion seed which is all grown from choice, selected bulbs, critically examined before being set out for seed. In vitality it is very strong, being carefully tested, and we are sure that our onion seed—

CANNOT BE EXCELLED

in purity, vitality or high quality. Large onions can easily be grown the first year from the seed by obtaining our American grown new crop onion seed. Owing to the short crop, all varieties of onion seed are higher in price this year. In comparing our price with others, remember that we PAY THE POSTAGE. Deduct 10c per pound if to be sent by express. Ask for prices in large lots. Packets contain about 1,000 seeds. **CULTURE**—One ounce will sow about 100 feet of drill; 4 pounds will sow 1 acre. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch in rich sandy soil, which is as free from weeds as possible. Commence hoeing as soon as the rows can be seen; skim the ground over the surface; avoid stirring deeply, and work the soil away from the bulbs. At second hoeing weed carefully and thoroughly by hand. When the tops die, pull and spread evenly over the ground; stir or turn until fully dried, then cut the tops one-half inch from the bulb. For pickles or sets, the seed should be sown very thickly and in broad drills, about 50 lbs. to the acre for sets, and 15 to 20 lbs. for pickling. For sowing onion seed and cultivating the crop, it will pay you to purchase a good drill and hand cultivator. See description elsewhere. Lang's Hand Weeder, price 30c, postpaid, is the best hand weeder made. Try it. Book on Onion, 20c. New Onion Culture Book 50c.

AUSTRALIAN BROWN.—See Novelties. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 60c, lb. \$2.00.

YELLOW GLOBE DANVERS.—A very handsome, round or globe-shape variety of large size, with thin, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. It ripens early, sells readily at the highest prices in our markets. This is one of the best cropping varieties in existence, has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for nine years. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.10, 4 lbs. not prepaid, \$4.00.

EXTRA EARLY BARLETTA.—This distinct new variety is the very earliest onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. At maturity the tops die down directly to the bulbs, leaving the neatest and handsomest little bulbs imaginable. They are of pure paper white color, very mild and delicate in flavor, $1\frac{1}{2}$ inch in diameter, and $\frac{3}{4}$ of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

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

LARGE WHITE GLOBE.—The handsomest market variety in existence, making beautiful, clean, pure silvery white bulbs of large, even size, globe shape, mild and pleasant flavor, and outsells every other variety. It is comparatively a good keeper and undoubtedly the best white sort. Pkt. 5c, oz. 25c, $\frac{1}{4}$ lb. 75c, lb. \$2.50.

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

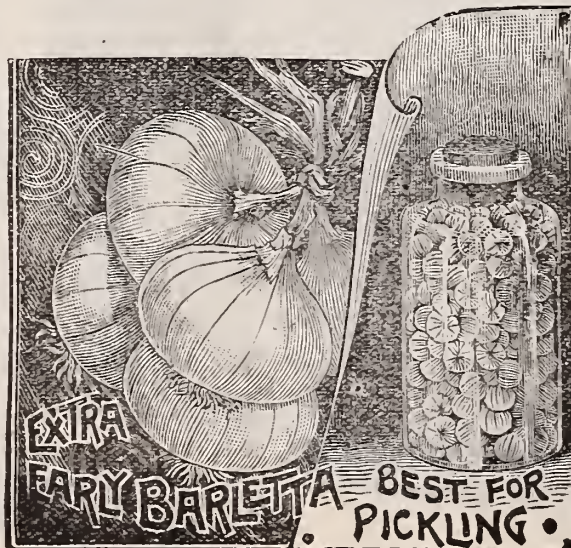
LARGE RED WETHERSFIELD.—The standard sort throughout the west, as they are the most hardy, and immense crops can be raised when more tender sorts are not profitable. Growers who prefer the red varieties will find this a magnificent strain, far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. It is of the finest form, skin deep, purplish red, flesh purplish white, much finer grained than many of the red sorts. Our seed of this variety is extra select and cannot be excelled. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.10, 4 lbs., not prepaid, \$4.00.

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

SOUTHPORT RED GLOBE.—This is a very handsome variety and is deserving of general cultivation. It is medium early, none of the perfectly globe-shaped onions are as early as the flat varieties, grows to a large size, skin deep red, flesh fine grained, mild and tender. Seed of this variety is quite scarce this year, but the high price will not deter regular growers from buying it. Per pkt. 5c, oz. 20c, $\frac{1}{4}$ lb. 65c, lb. \$2.00, 4 lbs., not prepaid, \$7.50.

EARLY RED GLOBE.—Owing to the great scarcity of late Red Globe this year, we offer this variety which is the same color and shape, but is ten days earlier and a trifle smaller. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50, 4 lbs., not prepaid, \$5.00.

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





MAMMOTH PRIZETAKER. (No 1.)—This is without doubt the largest, handsomest, finest flavored, and in every way the best variety of yellow onion in the world. It is admittedly the largest of all varieties, having been grown to the enormous weight of OVER SIX POUNDS and is withal a handsome, fine-flavored sort. Of a clear, bright straw color and uniform perfect globe shape. Produces enormous crops, one report being over 1,200 bushels, and they bring an extra price, being sold on the market as fancy onions. Keeps wonderfully well. Our seed is unexcelled, and is in great favor with our customers in all parts of the United States. They ripen up hard and fine, and present the handsomest possible appearance in market, while the pure, white flesh is fine grained, mild, and delicate in flavor. To grow to the largest size sow seed early in hotbeds and transplant to open ground as soon as weather is favorable. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

GIANT VESUVIUS. (No 4.)—This grand new mammoth variety is a foreign sort. It is well shown by our illustration. In rich soil, under good cultivation, they grow to an immense size the first year. They are of a handsome globe shape, somewhat elongated, veritable beauties, and will attract attention anywhere. Color almost a blood red, flesh nearly white, quality most excellent. Much more tender and mild than the American sorts. Per pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

COPPER KING, or MAMMOTH POMPEII. (No. 2.)—Have been grown to the enormous weight of FIVE POUNDS AND SIX OUNCES, and notwithstanding their large size they retain their shape and fine quality. To obtain an idea of how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out five pounds and six ounces of common onions and imagine them all in one. Beautiful copper color; flesh pure white, fine grained and mild. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

MAMMOTH SILVER KING. (No. 3.)—This giant sort is the largest of all white onions, no other white variety approaching it in mammoth size. It is of attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from 2½ to 4 pounds each. The skin is a beautiful silvery white; the flesh is snowy white, and of a particularly mild and pleasant flavor. So sweet and tender is the flesh that it can be eaten raw like an apple. Matures early and is of uniformly large size and perfect form, and consequently will bring a large price in the market. Per pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$2.50.

The Five Giants

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

For Only 25 Cents. Try Them.

MAMMOTH WHITE PRIZEWINNER.—

A grand new pure white variety of same shape as the Mammoth Prizetaker, and is of monster size. Per pkt. 10c, oz. 40c, ¼ lb. \$1.25, lb. \$4.00.

\$10.00 PRIZE FOR BIG ONIONS.

prize. Reports must be in by October 15th.

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

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

PEAS.

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

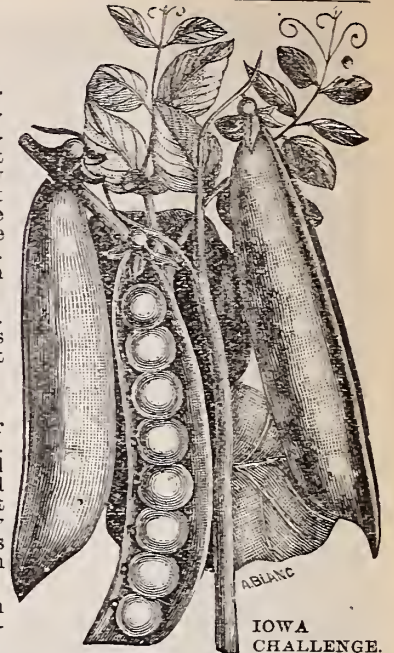
Peas mature quickest in light, dry soil not too rich. May be sown as early as the ground can be worked, and for a succession, every two weeks up to July, or what is better, select several kinds which will form a succession in maturing. Sow in drills two to four feet apart, according to varieties, not less than four inches deep for general crop, although the first earlies will come to maturity sooner if only covered one and one-half to two inches. Wrinkled sorts are marked *. They should be sown thicker in the row than the smooth varieties, as they are more liable to rot if ground is wet.

Prices include postage. Pints at one-half the quart rates. 15c. per quart discount if sent by express. See special prices by the peck or bushel on page 23. Our packets contain about two ounces.

*GRADUS.—See novelties. Per pkt. 10c, ½ pt. 20c, qt. 60c.

IOWA CHALLENGE.—An extra-early variety of superior merit which is a favorite with Des Moines market gardeners. We can in all confidence say that after a trial of nearly all extra early varieties offered to the trade we have not found one possessing more merit, hence its name. For the market gardener it has no superior. It is not only extremely early and prolific, but it is of good flavor. All the good qualities of the Extra Early are most nearly brought to perfection in the Challenge. Vines 18 inches. Pkt. 5c, ½ pt. 12c, qt. 40c.

RURAL NEW YORKER.—Very early and of most even growth and maturity: 80 to 90 per cent of the pods can be removed at one picking. Per pkt. 5c, ½ pt. 10c, qt. 35c.



IOWA CHALLENGE.

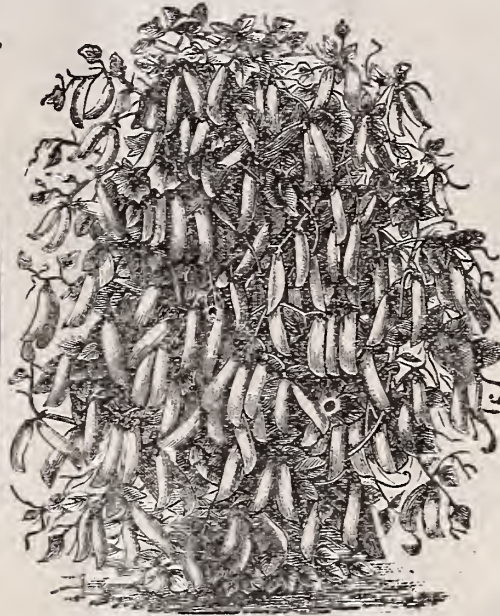


AMERICAN WONDER

***AMERICAN WONDER.**—The most popular extra early variety for the family garden. Being very sweet it cannot be planted quite as early as the above as it will not stand as much cold wet weather, but it is far superior to the extra early smooth sorts in flavor and table qualities and is quite productive. Of dwarf and robust habit, growing about ten inches high, and produces a profusion of good sized, well-filled pods fairly packed with the finest flavored peas. On good soil each vine will average twelve pods and each pod six peas. The vines grow from eight to twelve inches high. Per pkt. 5c, ½ pt. 15c, qt. 45c.

***PREMIUM GEM.**—Height one foot; early and prolific; a type of and an improvement on the McLean's Little Gem. Pods long and of dark green color. The most popular sort for family use. Per pkt. 5c, ½ pt. 10c, qt. 35c.

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. 40.



DWARF CHAMPION.

FIRST AND BEST.—A standard first early variety popular with gardeners in all parts of the country. Per pkt. 5c, ½ pt. 12c, qt. 40c.

***DWARF CHAMPION.**—This extra choice new variety is a great improvement on the old Champion of England which has been one of the sweetest, best and most popular varieties for the last 30 years. The old variety is very tall (6 feet) while this new sort grows only 2½ feet, and still the vines are vigorous with a great profusion of very large pods filled with large sized peas of superior quality and very sweet. It is medium late and suited to main crop. Everyone who wants extra choice peas for family use should plant a few of these. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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

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

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

***IMPROVED STRATAGEM.**—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods long and filled with seven to nine large peas of extra fine quality. Per pkt. 5c, ½ pt. 15c, qt. 50c.

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. They should not be shelled, but the peas and pods eaten together, and as they contain so much sugar, starch, and gluten, they are very nutritious for family use. Per pkt. 5c, ½ pt. 12c, qt. 50c.

***NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family and market pea. It is fully as sweet and delicious as the American Wonder, and grows one-half taller. Pods are larger and it is far more productive than the Premium Gem, and it is within a day or two as early as the first early smooth peas. Mr. George Buchanan writes: "I found these peas a very distinct, pure sort, with many marked excellencies over the American Wonder, Premium Gem, Advancer, etc. The peas were ready for table use within forty-three days from planting. Quality very superior. Per pkt. 5c, ½ pt. 15c, qt. 50c."

***JUNO.**—This is considered by many by far the best wrinkled pea of its class to-day. It has very robust vines; stout, straight pods, usually borne in pairs. The pods are very thick, broad-backed all the way up and filled from the stem to the tip with seven to nine sweet, delicious, dark green peas of immense size. Its height is two feet, its season from medium early to main crop. Per pkt. 5c, ½ pt. 15c, qt. 50c.

DWARF WHITE MARROW.—An improvement on the old Large White Marrowfat. Per pkt. 5c, ½ pt. 10c, qt. 35c.

BLACK EYED MARROWFAT.—Is grown largely by gardeners and also sown as a field pea for stock. Per pkt. 5c, ½ pt. 10c, qt. 30c.

***ABUNDANCE.**—A standard medium early sort. Large and productive. Per pkt. 5c, ½ pt. 12c, qt. 40c.

FIELD PEAS.—See list of Miscellaneous Field Seeds.



NOTT'S EXCELSIOR



PEPPER.

One ounce will produce about 1,800 plants

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

KALEIDOSCOPE.—A beautiful new variety, the plant when loaded with fruit being very ornamental as the fruit differs so greatly in color. The fruit is of a yellowish-cream color and then changes to canary, then deepening to orange, then turns into pink until it becomes a deep, shining scarlet. The fruit is of the size of a plum. Per pkt. 10c, oz. 35c.

RUBY KING.—Very large size, 4½ to 6 inches long, by 3½ to 4 inches thick. When ripe they are of a beautiful bright ruby red color and are always remarkably mild and pleasant to the taste. Each plant produces from six to twelve large, handsome fruits. Per pkt. 5c, oz. 20c, ¼ lb. 65c.

MAMMOTH GOLDEN QUEEN.—Average a third larger than Ruby King. Eight to ten inches long, bright waxy, golden yellow, and mild flavor. Per pkt. 5c, oz. 25c, ¼ lb. 80c.

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

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

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

LARGE BELL, or BULL NOSE.—An early standard sort. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

SWEET MOUNTAIN, or MAMMOTH.—Similar to the above but milder. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

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

MUSTARD.—Ger. Senf.

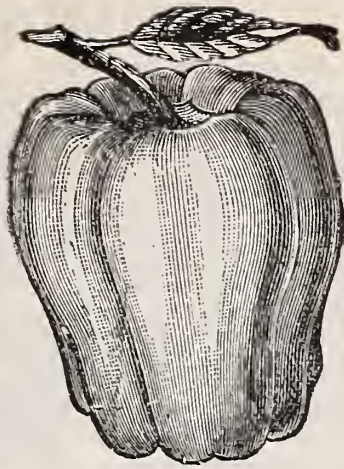
One ounce will sow about 75 feet of drill.

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

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

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

CHINESE GOLDEN.—Forms a compact bushy plant. Leaves very thick, finely curled, and of a bright golden yellow color. Very slow to go to seed. Pkt. 5c, oz. 15c, ¼ lb. 45c.



RUBY KING.

PARSLEY.

One ounce will sow 150 feet of drill.

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

MARKET GARDENER'S—An extra choice stock with dark green, beautifully curled mossy leaves, very ornamental in its growth, and very productive. Most valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color late



MARKET GARDENER'S PARSLEY.

in the fall, and continues to produce well throughout the winter when transferred to the greenhouse. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

CHAMPION MOSS CURLED.—A very select stock, most beautifully crimped and curled. Per pkt. 5c, oz. 10c, ¼ lb. 30c.

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

TOBACCO.

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

This is a paying crop and will do well in this State. The following varieties have been thoroughly tested in this climate. Early in the spring burn a brush pile on the ground to be used for seed bed. Then thoroughly pulverize the soil, digging and mixing in ashes. Sow seeds 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, ¼ lb. 65c.

HESTER.—Ripens early; adaptable to a wide range of soil and latitude, therefore surest. Yellow. Per pkt. 5c, oz. 20c, ¼ lb. 75c.

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

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

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

RED CROSS PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant a few for themselves and children. This very desirable variety is as early as



the earliest, the most hardy, very prolific and of the best quality. Boys, here is a chance for you. Think of growing peanuts in your own garden and having plenty of them to eat. Shell the nuts carefully so as to not break inside skin, and plant as soon as the ground becomes warm, from two to three feet apart, each way, four or five to the hill, covering two inches. The soil should be deep and mellow. They produce 25 to 70 bushels per acre and are as easily cultivated as corn. Price per large package, 10c; lb. 40c, postpaid. By express 5 lbs. or more @ 25c.

KOHL RABI.—Ger. Kohlrabi.

One ounce will produce about 2,500 plants.

If you have never grown Kohl Rabi you should try it this year. It is a most excellent vegetable intermediate between the cabbage and turnip. It is easily grown, the seed usually being sown in drills and afterwards transplanted like cabbage to rows 18 inches apart and about 10 inches in the row. Cook like turnips.

GOLIATH PURPLE.—This new variety is of immense size, solid and sweet; considered by many far superior to cabbage or turnip and decidedly more nutritious. Keeps well. In buying it will pay you to have the best. Per pkt. 10c, oz. 35c, ¼ lb. \$1.00, lb. \$3.00.

EARLY WHITE VIENNA.—Flesh white and tender; good market sort. Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

EARLY PURPLE VIENNA.—Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

PARSNIPS.

One ounce will sow 200 feet of drill; 5 lbs. to an acre.

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

IMPROVED TABLE GUERNSEY.—A greatly improved and wonderfully fine strain of the Guernsey Hollow Crown Parsnip. The roots do not grow as long as the Hollow Crown, but are of greater diameter and more easily gathered. It is a very heavy cropper; the roots are smooth, with a deep hollow crown and a small top. The flesh is fine grained and sweet, and of excellent quality; cooks evenly all the way through to the center which is as fine, soft and even in quality as outside portions. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.

LONG SUGAR, or HOLLOW CROWN.—The old standard. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

RHUBARB.

Or Pie Plant.

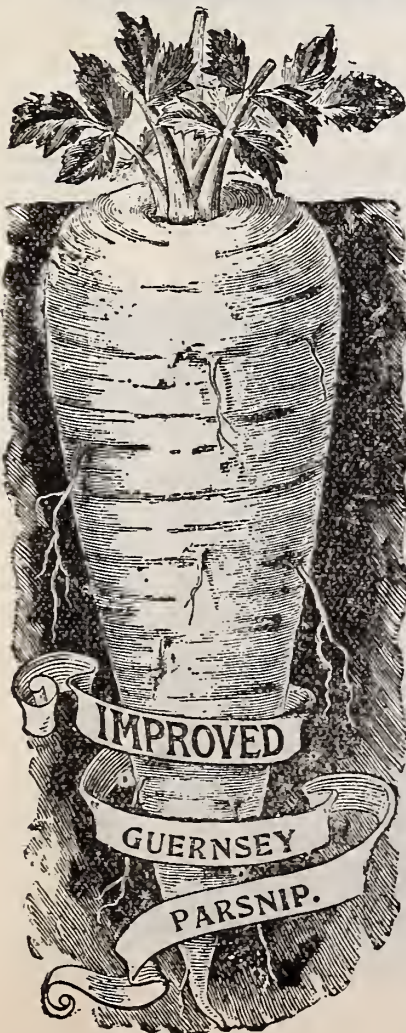
One ounce will produce about 100 plants.

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

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

VICTORIA.—The old standard sort. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.65.

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





PUMPKINS.

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

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

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

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

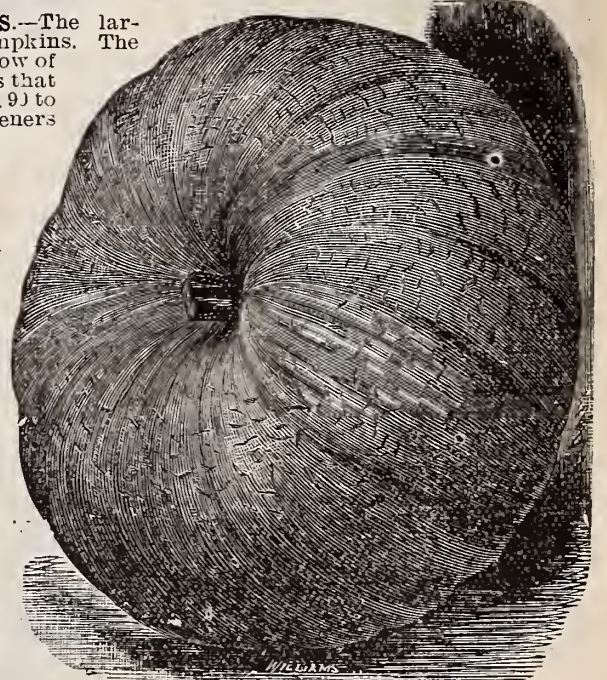
CALHOUN.—A great improvement on the Large Cheese pumpkin. Color creamy brown, flesh deep salmon yellow, fine grained, while the seed cavity is very small. Rind thin. When cooked it is very yellow and makes pies of a rich color, sweet and of the finest quality. Has been recently re-named by one dealer the "New Thanksgiving Pumpkin." Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

WHITE CUSHAW, or JONATHAN.—Attractive and sells better than the old green striped sort. It is a large bottle-shaped variety. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

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

flesh and skin are of a bright golden yellow, fine grained and of good quality. We know of one specimen that reached the enormous weight of 245 pounds. One customer writes us that he grew one weighing 158 pounds, and on the same vine had five other pumpkins from 9 to 104 pounds each in weight—over 640 pounds grown from one seed. Farmers and gardeners just think of that kind of a crop! Will it not pay you to grow the King of Mammoths and exhibit them at your county fair? Our seed was saved from large select specimens Per pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

MAMMOTH ETAMPES.—A giant variety from France, where it is quite celebrated. Bright glossy red color; splendid for exhibition. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.



KING OF MAMMOTHS PUMPKIN.

TRY THE COLLECTION OF
MAMMOTH PUMPKINS

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

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

MAMMOTH TOURS.—Also called Mammoth Whale. Originated near Tours, France where it is largely grown, both for feeding cattle and for table use. Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

JAPANESE PIE.—Flesh very thick and of rich salmon color, nearly solid. Dry and sweet, making rich pies without eggs. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

LARGE CHEESE.—A flat variety commonly called sweet pumpkin throughout the west. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

CONNECTICUT FIELD.—The common field or cow pumpkin. If you have any live stock to feed it will pay you to put in a few acres of these. Per oz. 5c, ¼ lb. 10c, lb. by mail 35c. By express or freight, 10 lbs. \$1.75; bushel of 25 lbs. \$3.00.

ENDIVE.

One ounce will sow 60 square feet.

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

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

CRESS, or PEPPER GRASS.

One ounce will sow about 16 square feet.

EARLY CURLED.—A well known salad. Sow early and at intervals during the season; cover seeds lightly. Pkt. 5c, oz. 10c, ¼ lb. 25c.

TRUE WATER.—Sow the seeds along the border of running water and cover lightly. Pkt. 5c, oz. 25c.

CURLED CHERVIL.

One ounce will sow 100 feet of drill.

Leaves used in soups and salads. Leaves have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Per pkt. 5c, oz. 20c.



WISCONSIN GOLDEN SALSIFY.

SALSIFY, VEGETABLE OYSTER.

One ounce will sow about fifty feet of drill.

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

MAMMOTH SANDWICH ISLAND.—Averages fully double the size of the old Long White. The roots are white, smooth and, notwithstanding their enormous size, are of superior quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

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

OKRA, or GUMBO.

One ounce will sow about 80 feet of drill.

Why not try Okra this year? It is extra nice for soups, stews, etc., and also much liked when pickled. Sow at the usual time of tender vegetables, in drills 2 inches deep, leaving the plants from 2 to 3 feet apart.

DWARF WHITE VELVET.—Pods round, smooth and of an attractive white velvety appearance, very tender and of a superior flavor. Plants dwarf and very productive. Pkt. 5c, oz. 10c, ¼ lb. 35c, lb. \$1.00.



WHITE VELVET OKRA.

RADISH.

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

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

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 top, and will stand a great amount of heat without becoming pithy. Its fine shape, well illustrated by the accompanying engraving, makes it sell for a higher price and more rapidly than any other shaped sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

NON PLUS ULTRA. An improvement on the Deep Scarlet Turnip. Remarkably fine in quality, of very quick growth, and ready to pull within twenty days after sowing. Perfectly globular little roots, of very bright color and excellent shape; certain to insure ready sale on the market. It is one of the best strains of early radishes for forcing. The crop matured and sold, and the same bed ready for a second planting all in thirty days. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60.

CINCINNATI MARKET.—A most excellent long radish of beautiful glossy brilliant scarlet color, having unusually small top. The skin is very thin, and the flesh crisp and brittle and of a delightful pungent quality. It is undoubtedly the finest long red Radish for forcing, and will outsell any other on the market, and it is also an extra fine sort for the home garden, the quality being unexcelled. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

PERPETUAL WHITE SUMMER.—This variety, introduced by us, has given splendid satisfaction to all who have tried it. Their shape is well shown by our engraving. They are pure white of uniform good quality, crisp and brittle, and they keep longer in a fit condition for the table than any variety we know of, hence their name, Perpetual White Summer. Can be sown any time of the year and will always produce good radishes fit for market earlier than the Chartier, and keep in perfect shape for marketing about four weeks, or longer for home use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

ROUND SCARLET CHINA, or CHINA GLOBE.—An exceedingly handsome new variety which will prove to be popular. It is of medium size, bright scarlet color and globe shape. It grows very rapidly, being almost as early as the early forcing sorts and it holds its size and superior quality throughout the summer. The flesh is pure white, crisp, brittle and of most agreeable flavor. When sown later they make an excellent winter sort and keep well. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

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 retaining the crispness even when old and large. It is excellent for summer use, and it withstands severe heat and grows very quickly. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

GOLDEN DRESDEN.—A little beauty, with golden brown skin, white flesh, crisp, juicy and of finest flavor. One of the quickest growing sorts, and tops are so small as to admit of 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, $\frac{1}{4}$ lb. 25c, lb. 85c.



EARLY SCARLET GLOBE.

MODEL WHITE BOX.—An improvement on the Philadelphia White Box, which has been popular for several years. It is of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds or "boxes" and one-third more radishes can be grown in the same space than with most other sorts. It is of clear white color, solid, juicy, and unsurpassed in flavor. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

ROSY GEM.—An improvement on the Scarlet Turnip White Tip. Their shape is perfectly globular, with rich, deep scarlet top, blending into pure white at the bottom, exceedingly tender, crisp and delicious, equally desirable for either the market or home garden. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

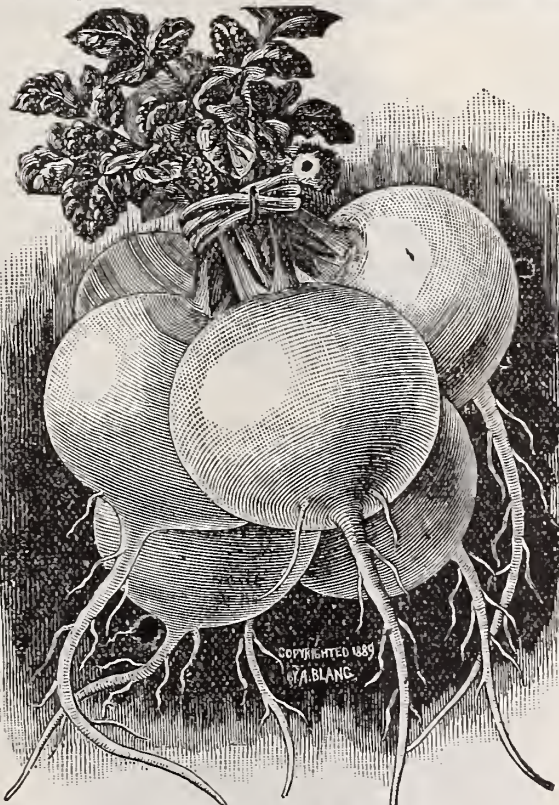
WHITE LADY FINGER.—An improvement on the White Naples, or Vienna. A large, white, crisp variety, about as long as Long Scarlet, and similar in shape. A very desirable sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 65c.

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

IMPROVED CHARTIER.—Is decidedly distinct in appearance from any radish in cultivation. Its form is well defined by our engraving, the color at the top being crimson running into pink about the middle, and from thence downward is a pure, waxy white. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 50c.



IMPROVED CHARTIER



MODEL WHITE BOX.

WOOD'S EARLY FRAME.—Smaller and about ten days earlier than Long Scarlet, which it very much resembles. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

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

FRENCH BREAKFAST.—Medium size, quick growth and fine quality. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EARLY LONG SCARLET SHORT TOP.—Very popular for family use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

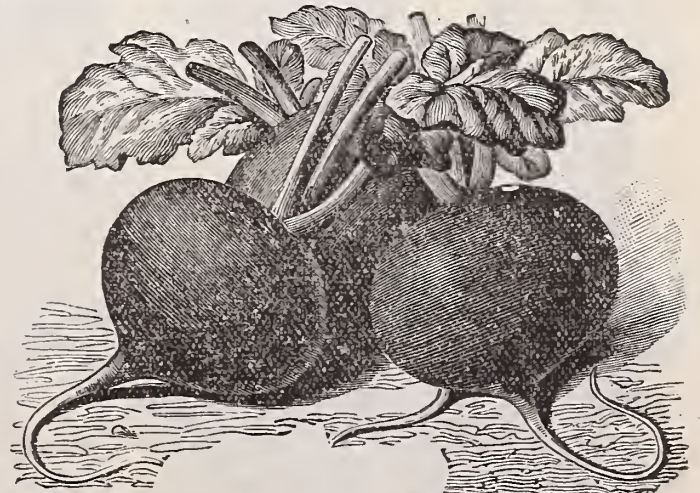
EARLY SCARLET TURNIP.—Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

CALIFORNIA MAMMOTH WHITE.—Winter variety, flesh white, excellent quality; largest of all. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. 85c.

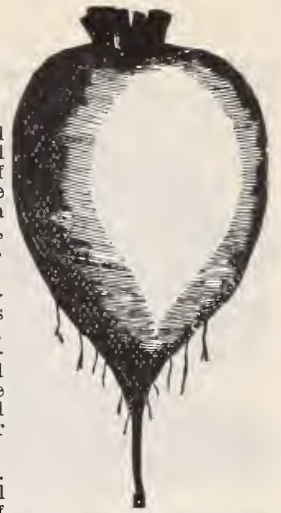
LONG BLACK SPANISH.—Popular winter sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

GIANT WHITE STUTGART.—Flesh and skin white, crisp, mild and good flavor. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

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, $\frac{1}{4}$ lb. 25c, lb. 75c.



NEW GOLDEN DRESDEN.



PERP. WHITE SUMMER

THE FAXON SQUASH



COPYRIGHT, 1893, BY M.B. FAXON CO

SQUASH.

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

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

SIBLEY, or PIKE'S PEAK.—Originated in Iowa. We put this first of the list as being the very best standard variety of winter squash. Claimed to be a great improvement on the Hubbard. The shell is pale green in color, very hard and flinty, but at the same time so thin and smooth as to occasion the least possible waste in baking. The flesh is solid and thick and a bright orange yellow color, dry, and has a rich, delicate flavor peculiarly its own; more productive and a better keeper than either the Hubbard or Marblehead and we prefer it for our own table use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

FAXON.—The flesh is a deep orange yellow, cavity very small and seeds few; the special peculiarity, however, is that while uncooked it appears to have a shell like any squash, but when cooked there is practically none, the shell, or inedible part, being only about as thick as a sheet of writing paper. One of the best squashes we have ever tasted, sweet and very dry. It matures early and can be used as a summer squash. The vines are somewhat longer than most other sorts and fruit varies in color, but these seem to be its only defects. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

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

EARLY PROLIFIC MARROW.—Early and productive—the two most important features for the market gardener—while its attractive color—brilliant orange red—good cooking and keeping qualities, make it popular with the consumer. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

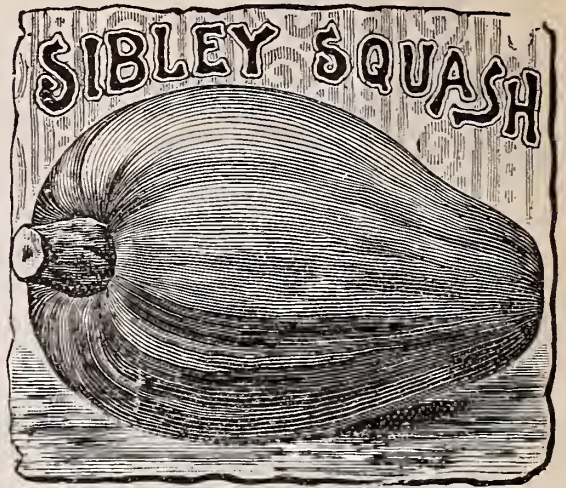
MAMMOTH CHILL.—The "Jumbo" of the Squash family. The form is round, flattened at both stem and blossom end. The outer color is a rich orange-yellow; the skin is quite smooth, with wide fissures. The flesh is very thick and of a rich yellow color; the quality is good and nutritious. They are most profitable to grow for stock feeding. They keep well throughout the entire winter. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

FORDHOOK.—Quite 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 also the roots, consequently it is free from the attacks of the squash borer. Matures early and is a sure cropper and productive. The green squashes can be used at any stage of their growth. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 35c, lb. \$1.25.

AMERICAN TURBAN.—It is fine grained, very dry, sweet and of delicious flavor. For fall and winter use. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 70c.

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. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c, lb. \$1.50.

ESSEX HYBRID.—A most excellent variety. It is the earliest of the winter sorts, and can therefore be planted later in the season than most others. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.



GOLDEN BUSH.—It is thicker, larger and superior in every way to the old variety. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

EARLY BUSH CROOKNECK.—Splendid summer sort, early, productive, very fine quality. With all the new varieties recently brought out many claim that there is no summer squash superior to this. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 45c.

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

WARTY HUBBARD.—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the best features of a long-keeping squash. It also denotes extra choice quality—the harder and more warty the shell of a Hubbard, the more delicate and sweet the flesh. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

WHITE CHESTNUT.—The outside skin is a creamy white while the flesh is lemon yellow, fine grained, sweet, most excellent in quality, suggesting the flavor of a boiled chestnut. Size and form much like the Hubbard. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c.

BOSTON MARROW.—Early maturing winter sort. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 60c.

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

Having dealt with you for a number of years I can truthfully say your seeds are the best. I have tried other firms but with little success and always come back to the old reliable.—Mrs. D. H. Eagle, Riceville, Iowa.

I am well pleased with the seeds you have sent me for the past four years. I think they are good and reliable.—Edson Halma, Ackley, Iowa.

SPINACH.

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

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

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

NEW ZEALAND.—Very useful to supply the place of the ordinary 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 garden. One plant will cover a space of ground three or four feet square. A few plants will supply a family with this delicious vegetable from July to October. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c, lb. \$1.00.

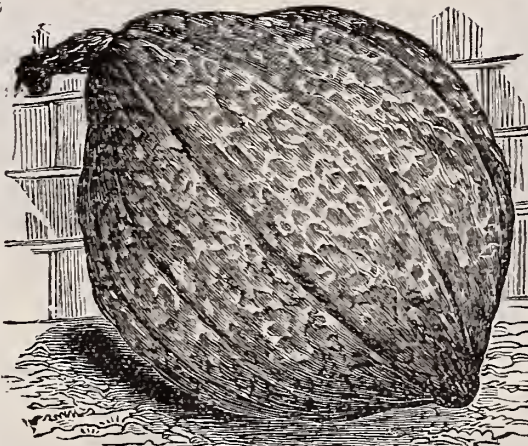
LONG STANDING.—A standard with gardeners. Leaves thick, fleshy and crumpled. Slow in running to seed, hence its great value for spring sowing. The leaves are round, large, unusually thick, deeply curled, and of a fine dark-green color. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 15c, lb. 45c. By express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

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

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



HUBBARD.



EARLY PROLIFIC MARROW.



NEW ZEALAND SPINACH.



VICTORIA SPINACH.

THE EARLIEST TOMATO IN THE WORLD



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. Through long years of selection we have now a stock of tomato seed which is far superior to that of most other dealers. Our packets contain about 500 to 1,000 seeds.

BOND'S EARLY MINNESOTA.—This handsome new variety 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. Vines vigorous with rather small leaf. When quite small begin producing fruits which are of fair size, of good shape, smooth, dark red color. They ripen evenly, remain solid a long time and never crack. Thos. H. Brinton, who grows about 100 varieties of tomatoes, has originated several of our best sorts, and who may be called the best posted man on tomatoes in the United States, writes us: "Bond's Early Minnesota is the best early tomato I have ever tried." Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.00.

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

STONE.—Very large, and of bright scarlet color; smooth; ripening evenly to the stem; exceedingly solid; is an excellent shipper; quality is of the best. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

DWARF ARISTOCRAT.—Resembles the Dwarf Champion in every respect except in color of the fruit, which with the Aristocrat is a rich, glossy red. In size, productiveness, smoothness, flavor, etc., it is excellent. It is desirable for greenhouse or forcing under glass. Per pkt. 5c, oz. 25c, ¼ lb. 80c, lb. \$2.25.

PICTURE ROCK.—Of good size, in fact rather large and run so even and perfect in form, after the first few fruits, that they have the appearance of having all been made in one mould. They are smooth, of bright scarlet color, solid and of excellent quality. Per pkt. 5c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

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

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

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

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

CRIMSON CURRANT.—A most charming little fruit, which is quite small, hardly more than half an inch in diameter, of bright crimson color, and borne in long clusters containing 20 to 60 berries or tomatoes. Excellent quality for eating from the hand, or preserved. Per pkt. 10c, oz. 40c.

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



DWARF CHAMPION.

DWARF CHAMPION.

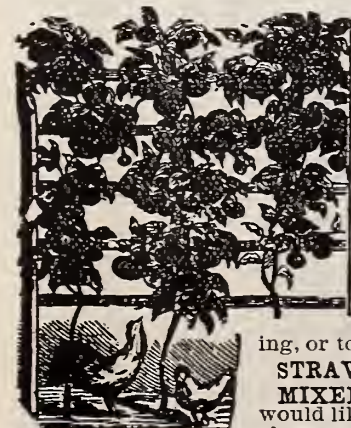
—Its habit of growth is peculiar, for not only is it dwarf and compact, but the stem being thick, stiff and short-jointed, it is almost self-supporting when laden with fruit. In productiveness it is unsurpassed. It is also very early. The fruit is of a purplish pink color, always smooth and symmetrical and the flesh solid and of fine quality. Can almost be called a tree tomato. The best variety to grow for plants for sale as they are so stocky. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.50.

MATCHLESS.—Well worthy of its name for in beauty of color and symmetry of form it is indeed without a peer. The vines are of strong vigorous growth, well set with fruit. They are entirely free from core, of a very rich cardinal red color, and not liable to crack from wet weather, of largest size, and the size of the fruit is maintained throughout the season. Solid, of fine quality, and keeps well. Per pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$1.85.

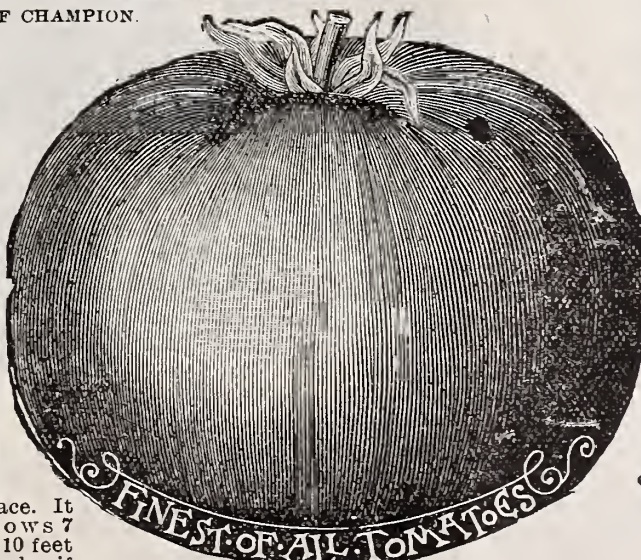
OTHER LEADING VARIETIES.

	PKT.	OZ.	¼ LB.	LB.
Trophy.....	5c	15c	.50	\$1.50
Acme.....	5c	15c	.50	1.50
Favorite.....	5c	10c	.35	1.20
Ponderosa.....	5c	25c	.85	3.00
Ignotum.....	5c	15c	.50	1.50
Yellow Plum....	5c	25c	.75	2.25
Red Cherry.....	5c	30c	1.00	3.25

CRIMSON CUSHION—The Best Climbing Variety.—Persons who have only a small garden will appreciate this variety which can be grown on trellises and in this way three or four times as much fruit can be grown on the same



CRIMSON CUSHION.



MATCHLESS.

space. It grows 7 to 10 feet high, if desired, but as most of the fruit is borne three or four feet from the ground well out of the reach of the chickens, it is just as well to trim off the tips. Fruit is extremely large, exceeding any variety on our list. Seeds are few and near the outside, leaving the center solid pulp, which ripens evenly throughout before the outside appears ripe. It is an elegant sort for slicing or putting up. Flavor excellent. Our seed was saved from select specimens. Per pkt. 10c, oz. 50c.

YELLOW PEAR.—A favorite with all who know them, but it has been difficult to secure the pure seed. 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 fine flavored. Highly esteemed as a table delicacy raw, but more used for preserving, or to make "tomato figs," also excellent pickled. Pkt. 5c, oz. 30c, ¼ lb. 75c.

STRAWBERRY.—See Ground Cherry, page 8. Pkt. 5c.

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. 30c.

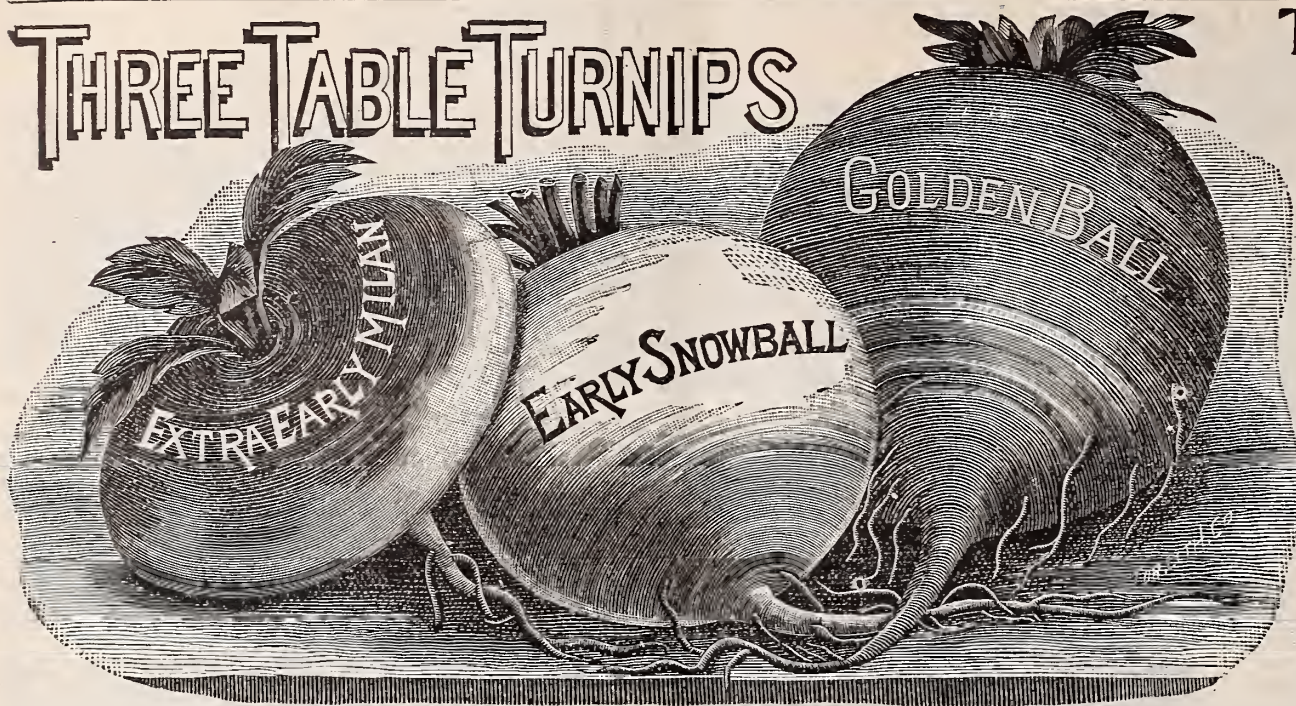
ATLANTIC PRIZE.—An excellent early variety. Per pkt. 5c, oz. 20c, ¼ lb. 65c.



YELLOW PEAR TOMATO.

THREE TABLE TURNIPS

TURNIP.



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

For early, sow in April in drills half an inch deep and 12 inches apart, thin to six inches apart in the drill. For main crop sow broadcast during July and August, and just before or during a showery time if possible. The soil should be rich and mellow and kept free from weeds.

EXTRA EARLY PURPLE TOP MILAN.—One of the earliest sorts in cultivation. The bulb is very flat, of medium size, quite smooth, with a bright purple top; leaves few, short, and of light color, growing very compact and making exceedingly small, strap leaved top. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

EARLY SNOWBALL.—A globe-shaped, white-skinned turnip, which is exceedingly productive. The flesh is fine grained, firm, and of very delicate flavor. It is one of the best keepers of the white fleshed sorts, very early, and particularly adapted for family or market use. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

SCARLET KASHMYR.—This new, extra early bright scarlet turnip, has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. A good keeper, and with its beautiful scarlet color, early maturity and fine quality, is entitled to a place among garden favorites. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

EARLY WHITE EGG.—Very early and particularly desirable for the table. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

PURPLE TOP STRAP-LEAVED.—The standard for this part of the country for late planting. Round, flat, good sized, small top, with but few leaves; flavor good. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c, 5 lbs. or more, not prepaid. @ 35c.

PURPLE TOP GLOBE.—Similar to above, except shape. This is the largest yielder of any turnip on the list, and very desirable for table use or stock. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 55c, 5 lbs or more, not prepaid, 40c per lb.

BREADSTONE.—While of the Ruta Baga type, they are of such extra fine quality they deserve to be classed with the best table turnips. The flesh is white, fine grained, tender and sweet. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

YELLOW ABERDEEN.—Excellent for cattle feeding. Per pkt 5c, oz. 10c, ¼ lb. 20c, 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, ¼ lb. 20c, lb. 65c.

RUTA BAGA.

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

MONARCH.—This grand, new and distinct form of the ruta baga, is, we believe, by far the best of all. The bulbs are of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained and best quality. Only variety succeeding on our prairie soil. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

IMPROVED AMERICAN.—Very solid, fine quality, valuable for the table and for feeding stock; good shape; small neck; smooth skin; keeps well; a choice strain. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

EARLY WHITE MILAN.—Much like the above, but it is pure white all over, instead of having purple top. Quite popular with gardeners. Per pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

GOLDEN BALL or ORANGE JELLY.—A very beautiful and bright yellow turnip of medium size and of universally sweet and delicious flavor. It is hardy and one of the best of keepers. Flesh extremely firm and solid. Always brings a good price in the market. Per pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.



WHITE SWEET GERMAN.—Large size, oval form and very solid flesh pure white and sweet. This is the best keeping variety. Per pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 65c.

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

BEANS, CORN AND PEAS IN BULK.

These low prices are for purchasers of large lots, they to pay freight or express charges. One-half bushel will be sold at bushel rates and one-half peck at peck rates. Better write for special quotations if you desire a large lot. Beans and peas are very short crop, prices advancing.

BEANS.		BEANS—Continued.		PEAS.	
PK.	BU.	PK.	BU.	PK.	BU.
Henderson's Bush Lima	\$2.00	Mammoth Horticultural	\$2.75	Iowa Challenge	\$1.20
Burpee's Bush Lima	2.75	Cut Short	1.85	Alaska	1.25
Stringless Green Pod	2.25	Golden Cluster	2.25	First and Best	1.00
Early Mohawk	1.75	SWEET CORN.		Rural New Yorker	1.00
Refugee, or Thousand to One	2.00	Early Sunrise	1.00	American Wonder	1.50
Improved Early Valentine	2.25	Extra Early Cory	.85	Premium Gem	1.25
Large White Marrow	1.25	Early Minnesota	.75	Nott's Excelsior	1.50
Yellow Six Weeks	1.65	Crosby's Early	.75	Junco	1.25
Davis' White Wax	2.25	Champion Early	.90	Mammoth Lucious Sugar	1.75
Scarlet Flagolet Wax	2.25	Stowell's Improved Evergreen	.60	Dwarf White Marow	.75
Wardwell's Kidney Wax	2.25	Mammoth Sweet	.75	Champlon of England	1.10
Improved Golden Wax	1.75	Black Mexican	1.00	Improved Stratagem	1.50
Black Wax	1.85	Country Gentleman	1.00	Telephone	1.50
Rogers' Lima Wax	2.00	Fodder Corn (sweet)	.50	Everbearing	1.25
Yosemite Mammoth Wax	2.50	POP CORN. (56 lb. bu.)		Black Eyed Marrow	.75
Cal. Branch, or Prolific Tree	1.00	Page's New Striped Rice	1.25	Dwarf Champton	1.50
White Dutch Case Knife	1.75	Monarch White Rice	.90	Abundance	1.25
King of the Garden Lima	2.00	Mapledale Prolific	1.00	Gradus	3.25
Lazy Wife's	2.25	Queen's Golden	1.00	FIELD PEAS. —See list of Field Seeds.	
Old Homestead	2.25	FIELD CORN. —See pages 26 to 31.			

RARE, CURIOUS AND VALUABLE VEGETABLES.



VINE PEACH.—A splendid novelty which was introduced by us. The vine on which they are borne is somewhat similar to the musk melon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and of a bright orange-yellow color, somewhat russeted. For sweet pickles, pies or preserving, they are superb. Receipts for preparing them for the table will be sent with each order. In the west and northwest, where fruit is scarce, they are becoming popular, as they are easily cultivated, wonderfully prolific, and can be used in every way in which you would use a peach except that they are not usually liked raw. Per pkt. 5c, oz. 15c, ¼ lb. 50c.

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



ORNAMENTAL POMEGRANATE.—A very interesting and ornamental little fruit, which a century ago was commonly grown in the gardens but is now rarely seen. Grows on a pretty vine; fruit is round, of a bright yellow, irregularly striped with orange, red or mahogany; very fragrant; a single specimen will sweetly perfume a room for many days. Prolific and easily grown. It is often called Queen Anne's Pocket Melon. Per pkt. 5c, oz. 2c.

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

CATERPILLARS.—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities, and sometimes, as a harmless practical joke, are put into the salads for the purpose of startling those who are unacquainted with them. Pkt. 5c.

SNAILS.—Another singular variety having most oddly twisted seed-pods resembling snails. Children are much amused with these curious vegetables. Per pkt. 5c.

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

EGYPTIAN LENTILS.—Largely used in Oriental countries as a principal article of diet. It was from these that the dish of pottage was made for which Esau sold his birthright to Jacob in Bible times, and many will be interested in them for that reason. Cultivate like peas. Per pkt. 5c, oz. 10c, ¼ lb. 30c, 1b. 75c.



POMEGRANATE.

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

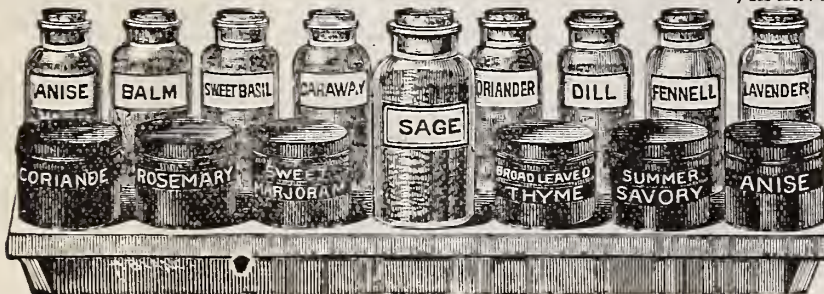
The plant is of a shrubby nature, with beautiful shiny foliage and fragrant blossoms, requiring the same treatment as any tender shrub. Can be kept growing in pots through the winter. About 10,000 lbs. of tea per year is grown by one man in South Carolina. Pkt. 10c.

COTTON.—This is grown as a curiosity in the north, and, if it is started early in the house, plants will be loaded with cotton balls in autumn. It is an ornamental plant, the bloom is pretty, and plant with ripe cotton on attracts much attention. Pkt. 5c oz. 15c

Resembles radish when growing. The pods are solid, crisp and tender, some say they taste "just like radish," other epicures insist that in flavor they more nearly resemble the water cress. The flavor is most agreeable and when half grown they can be eaten on the table in the same way as roots of the common radish. In salads they will be highly esteemed and they make a good pickle. It is, however, when the pods are boiled that they are most delicious eating, like asparagus, and having a very delicate flavor. Per pkt. of 25 seeds 10c.

MOUGRI.

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



HERBS.

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

All Five Cents Per Packet.

Anise Oz. 10c	Chamomile..... Oz. \$1.50	Rue Oz. 30c
Balm..... Oz. 30c	Dill..... Oz. 15c	Saffron Oz. 15c
Broad Leaved Thyme.... Oz. 30c.	Dandelion..... Oz. 30c	Sweet Basil..... Oz. 20c
Borage Oz. 15c	Fennel..... Oz. 15c	Sweet Marjoram..Oz. 30c
Caraway..... Oz. 10c	Hyssop..... Oz. 30c	Sage...Oz. 15c, ¼ lb. 50c
Carriander.....Oz. 10c	Horehound. Oz. 30c	lb. \$1.50.
Catnip Oz. 50c	Lavender..... Oz. 25c	Tansy.....Oz. 50c
Caster Oil Plant..Oz. 10c	Opium Poppy.....Oz. 30c	Wormwood.....Oz. 30c
	Rosemary.....Oz. 45c	Summer Savory...Oz. 20c

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

WHAT OUR CUSTOMERS SAY.

Your seeds have given good satisfaction around here.—Mrs. Geo. Brown, Dixon, O.
 I got seed from you last year and they were JUST SPLENDID.—Emily Dibbles, Barron, Wisconsin.
 I was very much pleased with the seed received from you last year and consider them the best I ever used.—Mrs. J. N. Bugh, Hughesville, Pa.
 We have used your seeds for several years and they give good satisfaction.—Mrs. J. L. Swearingen, Killduff, Iowa.

Complete Garden Collection.

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

All Good Desirable Sorts. Sure to Please You.

- | | |
|------------------------------------|-----------------------------------|
| Improved Golden Wax Beans. | Improved Green Nutmeg Musk Melon. |
| Old Homestead Pole Beans. | Duke Jones Watermelon. |
| Crosby's Egyptian Beet. | Large Red Wethersfield Onion. |
| Henderson's Snowball Cauliflower. | Mammoth Prizetaker Onion. |
| Washington Wakefield Cabbage. | Nott's Excelsior Peas. |
| Shortstem Drumhead Cabbage. | Non Plus Ultra Radish. |
| Oxheart Carrot. | Improved Chartier Radish. |
| Golden Self Blanching Celery. | White Strasburg Radish. |
| Early Sunrise Corn. | Improved Table Guernsey Parsnip. |
| Country Gentleman Corn. | Ruby King Pepper. |
| Extra Curled Cress. | Sibley Squash. |
| Japanese Climbing Cucumber. | Long Standing Spinach. |
| Perfect White Spine Cucumber. | Mammoth Sandwich Island Salsify. |
| Improved Ground Cherry. | Market Gardeners' Parsley. |
| American Mammoth Brussels Sprouts. | Early Minnesota Tomato. |
| Page's Striped Rice Pop Corn. | Matchless Tomato. |
| Iceberg Lettuce. | White Egg Turnip. |
| Improved Hanson Lettuce. | Purple Top Strap Leaf Turnip. |
| | Monarch Ruta Baga. |
| | Vine Peach. |

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

GARDEN PLANTS.

Last season we listed a few varieties of the old fashioned garden plants and it was really surprising the wonderfully large demand there was for them. This year we have prepared for the trade by growing a large stock of all the best varieties. Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. They are of value either for flavoring or medical use, and many persons now believe that if these well known old remedies were kept and used more in families in place of so many drugs and patent medicines it would be better for the health of the people. Orders for these plants should amount to at least 25c. We prepay the 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 well above the soil, keeping them clean; very large and of unusual substance, strong in flavor, and of superior quality. A single plant of Holt's Mammoth will yield more than a dozen of the common sort. Perfectly hardy, and attains still greater growth the second season. It never runs to seed. The past three years we have not been able to supply the demand, but this year we grew a very large number and hope to have sufficient. Each 10c, 3 for 25c, or 75c per doz, postpaid.

VARIEGATED MAMMOTH SAGE. (Nov-*ember* 1900.)—A sport from the above of beautifully variegated dark green and pure white color which makes it a very ornamental plant for the garden and fully equal to above in flavor and productiveness. It is new and scarce. Plants at 25c each, 6 for \$1.00.

CHUFAS or EARTH ALMOND.—A nice little ground nut which is greatly liked by the children. In sweetness and flavor they resemble the cocoanut or almond 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 under ground, very near the surface, easily reached by pigs and poultry, and destroyed by them if they have free access. Plant in April, ten inches apart in two and one-half foot rows. Cover them lightly. If the seed is very dry, soak well before planting. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 50c.

GOLDEN VARIEGATED THYME.—A handsome and attractive variety of the common garden Thyme. Has an agreeable aromatic odor and is used for sauces, flavoring stews, stuffings, etc. Each 10c, 3 for 25c, doz. 75c.

CATNIP or CATMINT.—A useful herb growing wild in many parts of the country. Catnip tea is used largely for infants. Each 10c, 3 for 25c, doz. 75c

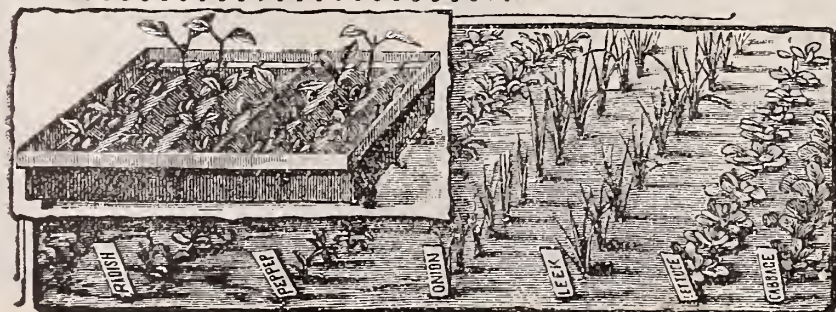
GENUINE PENNYROYAL.—Has a warm pungent somewhat aromatic taste, and is extensively used for medicinal purposes and no family should be without a bed of it. Our plants are the true Pennyroyal and not the wild intensely bitter variety often substituted for it. It forms a dense mass of bright foliage quite ornamental for rock-work. Each 15c, 3 for 40c, doz. \$1.25.

ROSEMARY.—A plant used largely in the manufacture of Eau de Cologne. Also used for flavoring meats, stews, etc. and for garnishing. Each 10c, 3 for 25c, doz. 75c

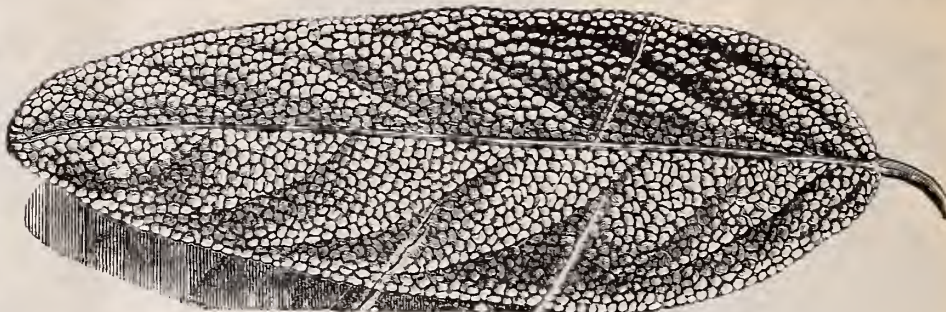
MONARDIA DIDIMA.—Also called Scarlet Flowered Bergamont and Oswego Tea. Each 10c, 3 for 25c, doz. 75c.

COLLECTION.

One plant each of any 10 herb and mint plants listed on this page for \$1.00 post-paid.



SEED TESTING AND TRIALS.



HOLT'S MAMMOTH SAGE.



TARRAGON



CHUFAS.

CHIVES.—Perfectly hardy little perennial members of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. 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. Every garden should contain a few clumps. In New England it is considered indispensable for use in omelets. A few plants can be kept growing in the house during the winter if desired. Roots, per bunch 15c, 4 for 50c.

HOP ROOTS.—A few hop vines are nice on any place for making yeast, etc. The vine is somewhat ornamental for covering dead trees and outbuildings and in many parts of the country they are a profitable and staple crop. Each 25c, 6 for \$1.00.



CHIVES.

TARRAGON.—The true Tarragon is appreciated thoroughly by all who know it for the use of its aromatic leaves in seasoning salads, soups, stews, pickles, etc., and also for Tarragon Vinegar. The foliage, if cut in autumn, can be kept in a dry state the same as other herbs. In the Northern States give some protection during winter. Tarragon should find a place in every good garden, as it is very valuable, and no other herb can rightly take its place. Each 15c, 3 for 40c, doz. \$1.25.

SPEARMINT.—This is commonly called Mint and thousands of dollars' worth of it is sold annually in New York, Boston and other large cities for flavoring salads, soups, garnishing meat, mint julep, etc. Persons who have once grown it will never be without it, and every garden should contain a small bed of it. Each 10c, 3 for 25c, doz. 75c.

VARIEGATED SPEARMINT.—A new showy variety of above which will be greatly appreciated. Each 2c, 6 for \$1.00.

PEPPERMINT.—All children know and like the flavor of peppermint, and it is largely grown for extracting. The plant has an agreeable odor and peculiar warm, pleasant flavor. It has high medicinal value and menthol which is so greatly used, is extracted from it. Each 10c, 3 for 25c, doz. 75c.

BALSAM MINT.—A well known hardy plant, also called Costmary or Alecost owing to its use in the Old World for flavoring ale or beer. It has a soft agreeable fragrance and is used for perfume and also for flavoring soups, salads, etc. Each 15c, 3 for 40c, doz. \$1.25.

CALAMUS. (*Acorus*).—A well known plant sometimes called Sweet Flag. Leaves have an aromatic odor and root has a pungent taste and is used largely in the south for medicine. Grows best in wet soil. Each 20c.

ARTEMESIA or BROTTAN.—A hardy plant sometimes called "Old Man." The leaves have a strong resinous somewhat aromatic, pleasant odor, and bitter taste. Use similar to Wormwood. Each 15c, 3 for 40c, doz. \$1.25.

TANSY.—A plant grown and used largely for its tonic, stomachic and other medicinal qualities. Has a strong peculiar odor and bitter taste. Each 15c, 3 for 35c, doz. \$1.00.

TESTING SEEDS.

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

Vegetable Plants.

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

Plants quoted "by mail," are sent at our expense; "by express" at the purchaser's. By our system of packing they are sure to arrive in good condition when shipped to any part of the United States. No charge for either packing or boxes. Plants from either hotbed or cold frame are ready during April or May; outdoor grown during June and until the middle of July. We sell 500 at the 1,000 rate.

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

CABBAGE PLANTS.—Late Varieties.—Ready May 15th.—Surehead, Premium Flat Dutch, Shortstem Drumhead and Perfection Drumhead Savoy. By mail 100 75c; by express 100 40c; 1,000 \$2.00.

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

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

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

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

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

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

SWEET POTATO PLANTS.—Ready May 1st.—Plants strong, vigorous, well-rooted and hardy. We can furnish either the Yellow Nansmond or the Early Yellow Jersey. Write if you want a large lot. Prices vary. By mail, 100 50c; by express, 100 25c; 1,000 \$2.00. New Vineless—See page 42—60c per 100 postpaid; by express 100 40c, 1,000 \$3.00.

HORSE RADISH SETS.

One of the most valuable vegetables for an appetizer and it is so much nicer to have it in your own garden and grate it freshly. We have the small roots or sets which may be planted at any time in the spring. Set them small end down in rows two feet apart and about eighteen inches apart in the row. They will do better in rich, loose soil set slanting and covered two inches. Nice sets 25 cts. per doz., \$1.20 per 100 postpaid, or 75c per 100 by express.

GARLIC.

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



GARLIC ROOTS.

BOTTOM ONION SETS



POTATO ONION SETS



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

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

I was very much pleased with the seed received from the Iowa Seed Co last year. They were the best I ever used.—Mrs. E. M. Quick, Monroe, Ia.



MUSHROOMS.

MUSHROOMS.

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



HORSE RADISH.

RHUBARB ROOTS.

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

VICTORIA.—Each 15c, 4 for 50c, postpaid.

IDEAL MAMMOTH.—See description on page 46. Each 25c, 4 for 75c, postpaid.

ASPARAGUS ROOTS.

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

PALMETTO, or CONOVER'S COLOSSAL.—@ 35c per doz., \$1.25 per 100, postpaid. By express or freight, per 100, 75c; 1,000, \$5.00.

COLUMBIAN MAMMOTH WHITE.—(See description on page 2.) 40c per doz : \$1.50 per 100, postpaid. By express per 100, \$1.00; 1,000 \$6.50.

ONION SETS.

Indispensable for early onions for bunching, as in a very few weeks they are ready for the table. While it is much cheaper to grow onions from seed still it is considerable work to keep them weeded and many of our customers who have only a small garden prefer to grow them from the sets, and gardeners plant large quantities of sets for the early spring market. Our stock is carefully grown and is very nice. Price by the pint and quart include payment of postage (deduct 15c per quart if by express.) Price by the peck and bushel is subject to market variation, and they are shipped at buyer's expense. Top sets are sold 28 lbs. per bushel; all other kinds are measured—stroke measure. If you want a large lot write for prices.

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

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

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

POTATO, or MULTIPLIER ONION SETS.—Early cropper; matures quickly; mild and of sweet flavor. Per pt. 20c, qt. 35c, pk. \$1.10, bu. \$3.75.

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

The seeds I ordered of you last year were splendid and my friends who sent with me were as well pleased also.—Mrs. F. E. Simmons, Sedan, Kansas.

High Grade Seed Grain

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

**It Pays
TO SOW
The Best.**

Selected Farm Seeds.

As the farm crop is more important to the general welfare of the country than any other, so the farm seed department should have the prominence in seed catalogues, but we regret to say that with most seedsmen it has very little attention. Realizing the vast importance of this branch of our business, we devote our careful attention to the growth and selection of the best farm seeds of all sorts. Our seed grain is grown especially for seed in the section best suited to its development and perfect maturity, is all carefully selected, thoroughly cleaned, of the best quality and we sell at reasonable prices.

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

PRICES named in this department are subject to important market changes. Quotations are net and are not subject to premium or discount which is offered on other seeds. Clover and grass seeds are constantly varying in value and we issue a price list daily during the busy season. Please write for rates, sending list of requirements, when in need. Orders sent us will be given benefit of lowest prices on day order is received. Will take pleasure in mailing samples and quoting inside prices at any time on large orders.

NOTICE.—While we exercise the greatest care to have all seeds pure and reliable, we give no warranty expressed or implied. However, if seeds are not satisfactory on receipt and examination, they are to be returned to us at once and we will refund the money.

SHIPPING.—In this department everything that is quoted 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 depot here.

There is no question but that seeds
GROWN IN IOWA
are the best—

that is now quite generally admitted on many items. The reason for this is that the soil and climate here are well adapted to the perfect growth and maturity of the crop. Seeds grown here are better matured and of strong growth and vitality than those grown either north or south, and

**WILL
PRODUCE
BETTER CROPS**

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

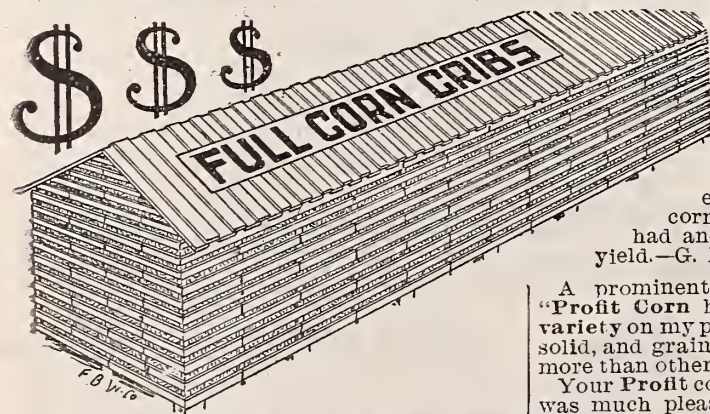
SEED CORN

Do you deem it wise to risk doubtful corn when good seed is so cheap?

This is our great specialty and we claim to supply more farmers with seed corn each year than any firm in the United States, that means that the Iowa Seed Store may well be considered the world's headquarters for choice seed corn. We ship annually to every state in the Union and to almost every country in the world where they can grow corn, our largest foreign trade being in South Africa, Australia and New Zealand. We are in the center of the best corn growing country of the world, where the soil and climate are peculiarly adapted to its culture, and now we can say without fear of contradiction, that for the season of 1900 we have the best supply of seed corn ever offered by any seed firm in the world. The necessity of planting the very best varieties is plain, and it will not pay you to experiment with the many sorts which we have tried and found worthless, nor to purchase from unscrupulous dealers. The varieties of field corn we offer are the best now in use. They were grown especially for seed purposes, and well matured, cured, carefully sorted by our seed corn experts, and shelled with great care. Choice seed corn is scarce this year, and prices a trifle higher, but it will not pay you to buy doubtful seed at any price. A low seed corn is very carefully tested, and none sent out that we are not certain will grow well under proper conditions. If not satisfactory on arrival and examination, it may be returned and we will refund money. If a large quantity is wanted, ask for prices. No extra charge for bags.

Thoroughbred Seed Corn.

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



READ THE RECORD.

FULL CORN CRIBS, FAT HOGS,
AND MONEY IN THE POCKET
OF FARMERS WHO PLANT OUR SEED CORN.

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

A prominent Polk county farmer says: "Profit Corn has outyielded every other variety on my place. Ears are large, extremely solid, and grain is deep, so that it shells out more than other sorts."

Your Profit corn is a splendid variety, and was much pleased with it, and will plaut it largely next season.—P. O. Sheckler, Stevenson county, Ill.

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

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

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

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

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

Profit Corn

FOR profit in the corn field don't fail to notice this fine variety on page 34.

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

I don't think a better quality of corn can be found than the Iowa Silver Mine, and it yielded 114 bushels per acre for me this year.—S. S. Troxel, Benton county, Iowa.

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

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

IOWA SILVER MINE CORN.

THE GREAT \$1,000.00 CORN—YIELDS 215 BUSHEL 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 yield, 215 bushels per acre with ordinary culture. We don't blame some practical farmers for looking incredulous when this is mentioned; we did not believe it ourselves until we had measured the ground and proved conclusively that the report was correct. The seed corn trade is our great specialty, and we claim to be corn experts, and in the spring of 1895, when we first saw this corn, we purchased the entire stock for \$1,000.00 cash. An offer of \$10.00 per pound would not have induced us to sell all we had of it, as we wanted to save it for our customers. Our judgment was correct, as proven by the crops which were the most marvelous ever grown. Just think of it! The average corn crop of the United States is only 28 bushels per acre, and there was more than seven times this amount of Iowa Silver Mine grown on one acre. Would you like to grow this kind of a crop? Plant Iowa Silver Mine corn—plant your whole farm to it. Adopt our new method of culture, which will be sent free to everyone ordering this variety of seed corn from us.

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

ITS PRIZE RECORD.—Everywhere the Iowa Silver Mine captures the prizes over all other varieties. At one fair ten of the largest ears took first prize, ten of the smaller ears took second prize. Afterwards the same ten large ears took sweepstakes over all other varieties both white and yellow, making a total of \$95.00 in prizes taken at one fair by twenty ears of the Iowa Silver Mine corn. It captured the big prize offered by us in 1896 for the largest crop against all other kinds of any color, yielding 215 bushels.

At Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in state, and grand sweepstakes for the best corn of any color, competition open to the world. In 1899 the Illinois State Agricultural Society offered three large prizes for the largest corn crop grown on an acre, and the Iowa Silver Mine captured all three of them with crops of 196, 176 and 154 bushels. No other corn of any color can compare with it in wonderful productiveness.

Read the *Astonishing Record* of our own prize contest: It produced 215 bushels per acre in Scott county, Iowa; 211 bushels per acre in Indiana; 201 bushels per acre in Arkansas; 178 bushels per acre in Illinois; 145 bushels per acre in Nebraska; 144 bushels per acre in Ohio; 137 bushels per acre in Texas.

Average of above is 176 bushels shelled corn per acre.

Produced Immense Crops Everywhere.

Our Customers all Rejoice with us.

NOW FOR 1900.—To every one who orders Iowa Silver Mine seed corn from us we will send free, full information as to how 215 bushels of corn were grown on one acre and instructions so that you can do as well. There is money in farming if you only know how. Don't be a snail; be progressive; adopt new methods and use good seed. Figure out what your profit would be if your crop were that large. It will pay you to plant your entire field with this variety. Get your neighbors to order with you.

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

Order Early—sure to be a great demand.

PRICE Postpaid or by Express Prepaid: Per pkt. 5c, 1b. 25c, 3 lbs. 60c, 7 lbs. (will plant an acre) \$1.00, Specimen ears 25c each. By Freight or Express, Purchaser Paying Charges.—Per pk. 50c, bushel \$1.50; 2 bushels or more @ \$1.40; 10 bushels or more @ \$1.25.

WHAT OUR CUSTOMERS SAY.

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

The Iowa Silver Mine is all you represent it to be. It ripened in 90 days and produced ears 10 inches long and 7 inches in circumference.—H. R. Burton, Butler county, Penn.

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

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

My crop of Iowa Silver Mine corn was greatly injured by a storm in July, but still it yielded 108 bushels per acre, and 12 ears selected from it took three first prizes at state fairs. It is a world beater.—S. D. Maddox, Champaign county, Ill.

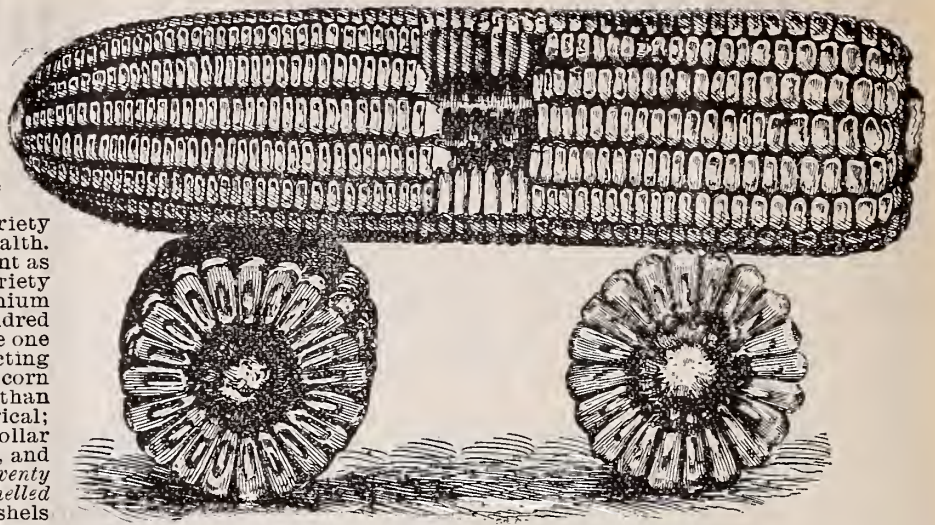


Iowa Gold Mine Corn.

The Best Variety of Yellow Corn
In the World.

Everyone who has tried it is enthusiastic in the praise of this splendid variety which we introduced. Iowa is not called a gold mining state, but in this grand new variety farmers of this country will find a veritable mine of wealth. It has everywhere received the most cordial endorsement as the best and most profitable sort ever grown. This variety originated as follows: Twelve years ago a special premium offer brought sample ears of corn from several hundred farmers and seed growers and from these we chose the one which was most decidedly the best, and have been selecting and improving it until it is about as near perfection as corn can be made. It is early, ripening only a few days later than Pride of the North; ears are of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; grain is very deep, cob small, and therefore dries out very quickly as soon as ripe. Seventy pounds of ear corn makes sixty to sixty-two pounds of shelled corn, and in hauling to market it weighs out five bushels more to the wagon load than common varieties in the same wagon. We have shelled selected ears of this variety which produced sixty-four pounds of shelled corn and only six pounds of cobs to the bushel. This is an unparalleled record. It cannot be equaled by any other corn in the world. Thousands of our customers say they consider it the *ne plus ultra* in corn; that it would be impossible to attain any nearer perfection. We can most confidently recommend it as the acme of perfection and stake our reputation on its pleasing everyone who tries it. It will grade No. 1 in any market. We shall not be satisfied until every farmer in the United States has seen this grand new variety.

Remember, if you want pure Iowa Gold Mine Corn, you must purchase it from us. Don't be deceived. If you purchase from your local dealer, insist on seeing that our label is on every bag, plainly marked **Iowa Seed Company**. We most highly recommend it to our customers in all parts of Iowa and other states in the same latitude. It matures perfectly up to the extreme northern tier of counties in Iowa, and some years does well in Minnesota. It will pay you to change your seed, and don't fail to at least see a sample of Iowa Gold Mine before buying elsewhere. Notice our low prices this year. Per large package 5c, lb. 20c, 3 lbs. 50c, postpaid. By freight, pk. 50c, bu. \$1.25, 2 bu. or more at \$1.15 per bu., 10 bu. or more @ \$1.00.



IOWA GOLD MINE CORN. (From a photograph.)

ORDER EARLY.

Last year we had an immense supply of this variety, but it was exhausted long before season was over and we were obliged to refuse many orders for it.

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

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

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

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

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

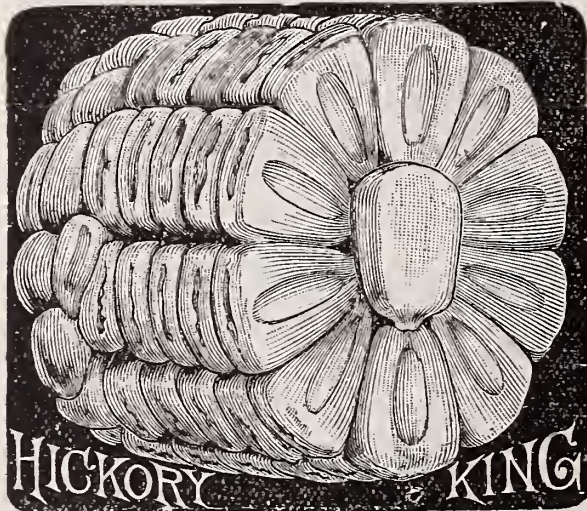
The Iowa Gold Mine Corn I purchased of you last spring is the best yielder I ever planted. O. E. Hughes, Butler Co., Iowa.

GRAINS OF GOLD.

We want to urge every farmer to send for a sample of our

**IOWA GOLD . . .
. . . MINE CORN**

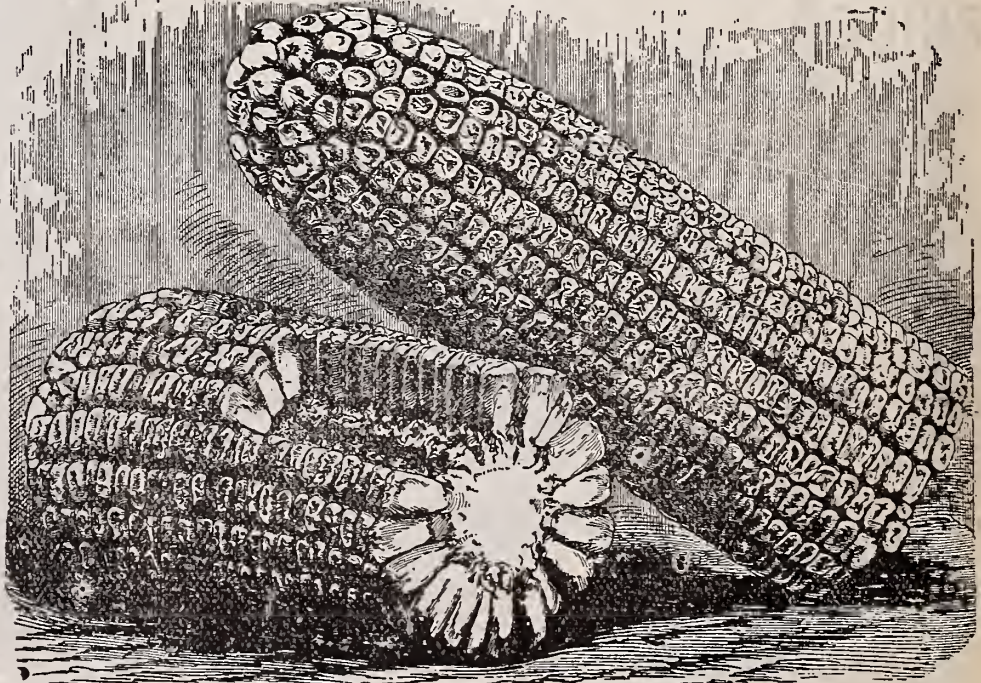
just as soon as he receives this catalogue. Don't be satisfied with old worn out, mixed varieties. Compare these grains of gold with the corn you are growing, and if you find this better, order a supply early.



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 a desirable variety where the season is long enough to mature it, but we do not recommend it north of southern Iowa. Per peck 75c, bu. \$2.00, 2 bu. or more \$1.75.

GIANT MEXICAN JUNE.—A giant among corn, growing from 16 to 20 feet in height, with ears 10 feet from the ground. A grand variety for grain in the south, for the silo in the north, and a grand curiosity for every section. It is exceedingly leafy in its upper sections and this gives special value to it for the silo. A few stalks of this giant corn will make a grand sight in any garden. It is a white dent with a good sized ear. Pkt. 5c, 1/4 lb. 15c, lb. 50c, postpaid. Per peck \$1.00, bu. \$3.50.

LEGAL TENDER.—This variety is the result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premium at many state and county fairs. The corn is 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 introducer says: "Our ideal ear is an ear two-thirds as large around as it is long, containing sixteen to twenty rows, and small shank. The kernels are deep, the cob is small at the butt and the ear holds its bigness toward the point until near tapering off. It should be capped over and the kernels should hold their bigness toward the point and the butt run out straight and not crinkle." It matures in about 115 days, but we do not recommend it for the extreme northern portion of this state. Our stock of this is extra select. Per peck 50c, bushel \$1.25, 2 bushels or more @ \$1.10, 10 bushels or more @ \$1.00.



LEGAL TENDER.

IT PAYS TO THINK.

Just Consider This For a Minute.

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

No Matter Where You Live,

Whether in Maine or California, Canada or Mexico, it will pay you to plant Iowa Seed Co's. Choice Seed Corn

This Year.

LENOCHER'S HOMESTEAD.—Well known in Iowa from having won the *Iowa Homestead* prize of \$100.00, yielding 345 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. This variety originated with Mr. G. F. Lenoche, one of the most practical farmers and corn growers in the state. Color dark red with light colored cap; grain deep and hackled. Ear somewhat above the average size; cob small and dries out rapidly, so that it has never been caught by frost. We believe it to be a safe corn to plant, makes excellent corn for feeding, although its color is objectionable for marketing. Our seed has been carefully selected for seed purposes by the originator. Per pk. 50c, bu. \$1.75, 2 bu. or more @ \$1.60, 10 bu. or more @ \$1.50.

Nov. 25, 1899 — *Your Lenoche's Homestead Corn is out of sight. My neighbors bought all I could spare for seed purposes, and I had hard work to keep seed enough for my own use.*—Frank Degnan, Seneca Co., Ill.

Nov. 24, 1899.—*I was well pleased with the Lenoche's Homestead corn purchased from you last spring and shall put in a larger acreage of it next year than any other corn that I am raising. It matured ten days earlier than my other corn.*—E. T. Warne, DuPage Co., Ill.

Nov. 30, 1899 — *Your Lenoche's Homestead corn grew nicely with me, and I can highly recommend its drouth resisting qualities. We have always found your seeds to be good.*—Oscar Janssen, Howell Co., Mo.

EARLY LONGFELLOW DENT.—For several years one of our growers has been at work originating this new sort, the object being to obtain a variety fully as early as *Pride of the North*, 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. We have now been selling this variety for five years, and it has greatly pleased our customers everywhere, yielding more than most of the ordinary varieties. It is so early that the crop is perfectly matured long before there is a thought of frost, thus making it a variety that will pay to "tie to." Stalks are of medium height, strong and not easily blown down. Ears are 10 to 14 inches long, and have 12 rows. Grain is rather shallow, but it is the corn of corns to sell on the market, as a wagon load of it is as pretty as a picture. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.35, 10 bu. or more @ \$1.25.

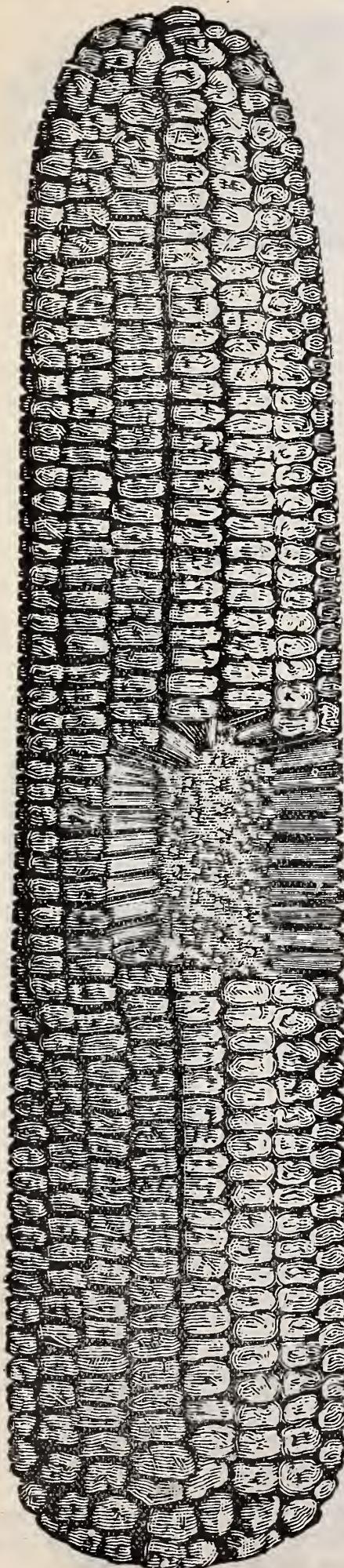
The Longfellow Dent Corn is a No. 1 variety and it did remarkably well for me. The seed bought of you produced large, heavy ears weighing 14 pounds. John Osborne, Meeker Co., Minn.

IMPROVED EARLY MASTODON.—For about fifteen years past Clark's Early Mastodon corn has been a prominent variety, owing to its wonderful productiveness and large sized ear. In the celebrated *American Agriculturist's* corn contest in 1889, the Early Mastodon out-yielded every other yellow corn in America, Mr. Alfred Rose, of New York state, raising 213 bushels of shelled corn to the acre. It was, however, rather late, and was frequently caught and greatly injured by an early frost. For eight years past, however, one of our most careful, painstaking seed growers in central Iowa has been selecting it to obtain the earliest maturity possible and still retain its large sized ear and great productiveness. His success has been remarkable, and we now have an improved variety with mammoth ear, much smaller cob and deep grain. The butt of the ear is not so disproportionately large, it dries out quickly and ripens easily in 110 days, while it required 130 days for the old variety. Ears are quite even in size, and four of them weighing 6½ lbs. took first prize at fair. Farmers who delight in a handsome, large eared variety, will be pleased with the Mastodon, and when the crop is harvested no one can fail to be delighted with the yield. The corn has a strong, rapid, vigorous growth, and is also desirable for fodder purposes. Per pk. 50c, bu. \$1.50, 2 bu. or more @ \$1.40, 10 bu. or more, \$1.25.

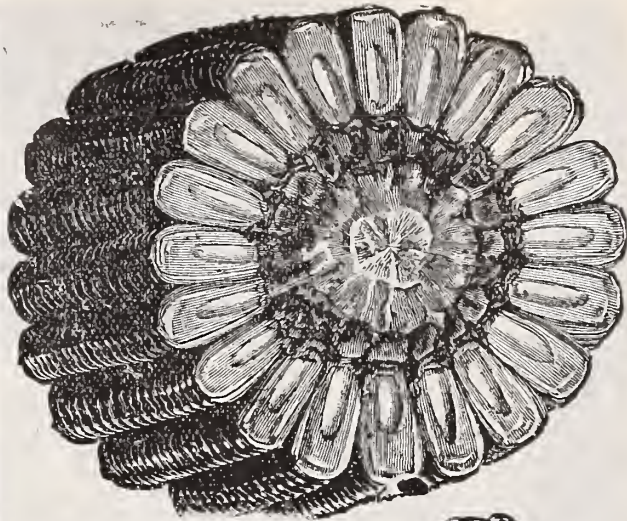
Wm. Hester, of Dallas Co., Iowa, says: *I consider the Improved Early Mastodon the best and most productive variety of corn to grow both for market and feeding. It produces a larger crop than any corn I ever had.*

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

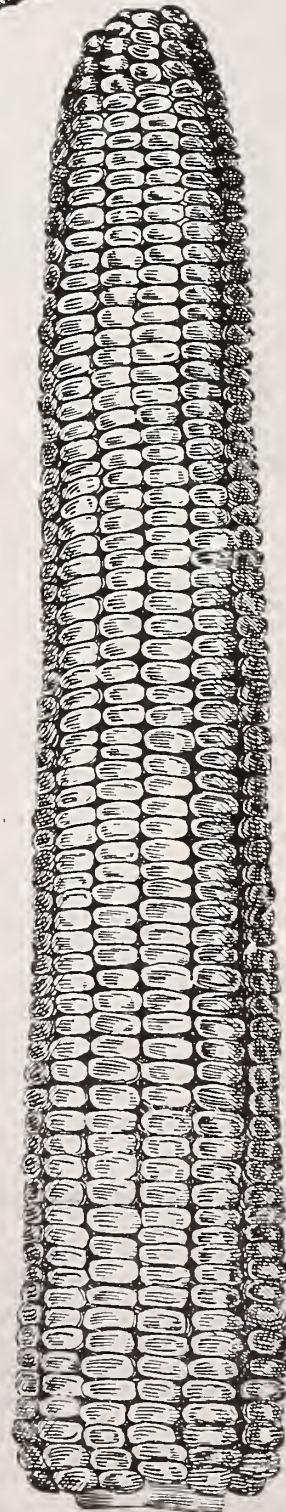
"HANDY" CORN SHELLER—Nice for shelling seed corn, popcorn, etc. Each \$1.50.



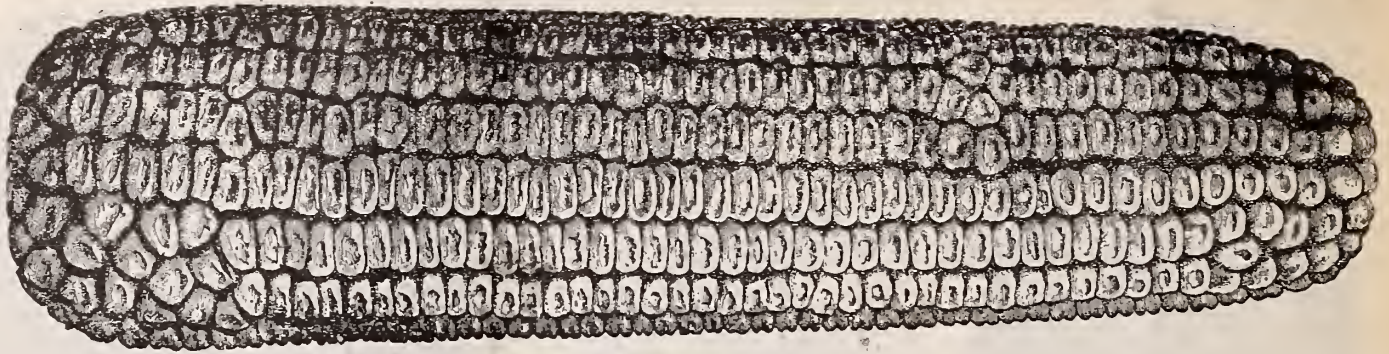
IMPROVED EARLY MASTODON.



LENOCHER'S HOMESTEAD.



EARLY LONGFELLOW DENT.



NEW EXTRA EARLY FARMERS' RELIANCE CORN.

FARMERS' RELIANCE CORN.—A novelty for 1900; the earliest variety of corn in existence; a week to ten days earlier than Pride of the North and a much better cropper. This new variety of corn is the result of a scientific hybridization made fourteen years ago, by a practical seed corn grower, and this has been followed by careful selection each year since, the object being to obtain the earliest corn in the world, and his success has been remarkable.

The corn is of a very strong, vigorous character, growing more rapidly than any other variety from the day that it is planted. Its quick growth really surprises one with the speed with which it hurries on to make ears. The stalks usually have from 9 to 11 blades, while most ordinary corn has 13 blades. These blades are quite broad, of dark emerald green healthy color. This corn has been planted as late as June 26th, and yielded a splendid crop two weeks earlier than Pride of the North, which was planted at the same time. While our claim is that it will mature any year in 80 days, still we have known it to mature perfectly in 75 days. The ears are much larger than Pride of the North, not as rough or hacked, thus making it easier to handle, and the yield is from 25 to 35 per cent more than Pride of the North under the same conditions. An average bushel of 70 pounds will make 60 pounds of shelled corn. It has for years been selected from stalks which set the ears about three feet or less from the ground, and this has a tendency to make it earlier. Fully 40 per cent of the stalks produce two good ears. It has never before been offered by any seed dealer, but the originator has taken the first prize for early yellow corn at every fair at which it has been exhibited. Don't fail to plant at least a small quantity, and thus obtain your seed for another season. Per lb. 50c, 3 lbs. \$1.25 post paid. By freight or express, ½ peck 60c, peck \$1.00, ½ bu. \$1.75, bu. \$3.00.

EARLY YELLOW FLINT.—An eight rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and are well filled out to extreme end of cob. The cob is small and the kernel large and broad, ripens in 75 to 85 days. This corn is well adapted to the northwest, and is said to produce 200 bushels of ears to the acre in Massachusetts. Has given excellent results in Minnesota and other northern states. Excellent for ensilage and is often used here for replanting. Per pk. 75c, bu. \$2.00, 2 bu. or more @ 1.75.

The seeds bought of you last year were first-class. The Yellow Flint Corn was the best ever seen here. I had ears measuring 13 inches and from the one quart of seed planted I gathered 25 bushel baskets full of ears and have sold it all to my neighbors for seed.

—Joachim Doll, Otter Tail county, Minn.

EARLY WHITE FLINT.—Quite similar to above except color; stalks usually bear 2 or 3 long ears having 8 or 10 rows of creamy white kernels, which are quite hard and flinty. Per pk. 75c, bu. \$2.00, 2 bus. or more @ \$1.75.

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

I purchased from you 10 bushels of Pride of the North Corn for planting and am very much pleased with the variety and its yield. I had a splendid stand and believe that it pays to buy seed corn from you, as it is more carefully selected and cared for than most of the farmers can do.—S. W. Callanan, Kossuth county, Iowa.

IOWA YELLOW DENT.—We always advise farmers to choose the best named varieties in buying seed corn, and believe it pays them in the long run. This is a cheap corn, however, and quite popular some years. Ask for special prices in lots of 25 bushels or more. Per pk. 40c, bu. \$1.00, 2 bu. or more @ 90c, 10 bu. or more @ 80c.

ORDER EARLY. There is sure to be a great demand for seed corn this year and it will pay you to send your order early.



PRIMITIVE OR HUSK CORN.

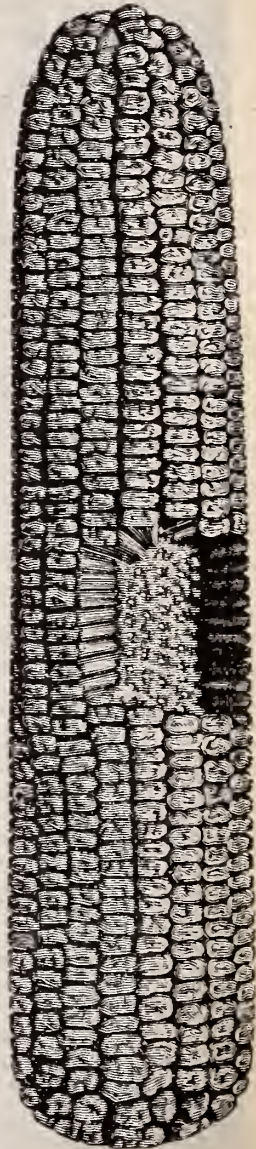
PRIMITIVE OR HUSK CORN.—It is from this wild variety that all of our cultivated stock have sprung. The ears are of fair size, and each individual kernel or grain is covered with a husk and all enclosed in an outer husk like common corn. In some of the wild and uncultivated parts of Mexico the Primitive or natural corn can still be found growing wild. It is quite curious and valuable for exhibition purposes, and attracts great attention wherever seen. Some stalks bear as many as 20 ears. Large pkt. 5c, ¼ lb. 15c, 1b. 50c, post pd.

STAR LEAMING.—The Leaming corn, which originated with Mr. Leaming, of Ohio, was always a good variety, but it had some serious faults for culture in this state, and we have refrained from giving it our endorsement. A few years ago we found an extra fine lot in the hands of an enterprising Iowa farmer, who had been selecting it for many years. We were greatly pleased with it, but were not willing to offer it to our customers without still further selection. We now have a corn which is a great improvement on the Leaming, but it retains all the valuable characteristics of that variety, so that instead of giving it a new name, we call it Star Leaming to distinguish it from other strains.

The ears are large and handsome, with deep large grain of rich deep orange color, on a medium to small cob. It grows to medium height, setting the ears about four feet from the ground, husks easily, and the corn is snug on the cob, thus making a very solid, heavy feeling ear. Surface is quite smooth for dent corn. It is very productive, and it is the ideal variety for selling in the ear. We sold many thousands of bushels of this variety last season, and expect to exceed the record this spring. Don't plant common corn when you can obtain this grand variety so cheap. Per peck 50c, bushel \$1.25, 2 bu. or more, @ \$1.00, 10 bu. or more @ 95c.

WONDERFUL PRE-HISTORIC CORN.—Several years ago we were offered this variety by a corn grower who claimed that it was "grown from some kernels of corn which were discovered buried in sealed vessels far underground where it had laid 3,000 years." We did not believe it, therefore did not "bite" and it was sold to an eastern seed dealer who has advertised it largely. The corn is mainly of most peculiar dark brown color and looks "mummy-like" which probably gave the introducer the clue to the fairy tale which he has woven to fit it. Although it will never become a profitable market variety still it has some very good points which will induce stock farmers to plant it. The stalk is large, juicy and sweet, being quite similar to sugar cane in this respect, the leaves are long, broad and very numerous and are greedily eaten by all kinds of live stock. It is especially valuable for milch cows and should be largely planted by dairymen and in fact by everyone who has even a single cow. It yields one to five ears to the stalk and there are some reports of over 100 bushels per acre. Ears are of good size, grain is soft so as to be easily digested, but color is objectionable to many. We advise our readers to try at least a small amount of it. Per large pkt. 10c, lb. 35c, 3 lbs. 85c postpaid. By freight per peck

85c, bu. \$2.50.



STAR LEAMING.

NOVELTIES. Don't fail to try the great NEW CENTURY WONDER Corn described on page 49, and the Profit Corn shown on page 34 of this catalogue.

SMALL ORDERS. We will furnish packets of any variety of corn at 5 cents each, six for 25 cents. Any variety unless otherwise quoted at 25 cts per lb., 3 lbs. for 60 cts., postpaid.

EVERGREEN SWEET FODDER CORN.

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

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

JERUSALEM CORN.

Claimed by many to be an improvement on Kaffir Corn as it is a surer crop in unfavorable seasons. Produces a large crop of fodder which is of very good quality. Seed is white and nearly flat. Yields a good grain crop also. Three to four pounds will plant an acre. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, per peck 75c, bushel (50 lbs.) \$2.00, 2 bu. or more @ \$1.75.

EARLY AMBER CANE.

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

it is claimed that as high as 50 tons of the green fodder have been grown per acre. It can be cut several times during the season if not allowed to get too high, and makes a good sweet hay. Sow 160 lbs. per acre for best results. Is a profitable crop also to grow for the seed which is excellent for feeding poultry, and is frequently ground and substituted for buckwheat flour. Per lb. 20c, 3 lbs. 50c. By freight, 10 lbs. 50c, 25 lbs. 85c, 100 lbs. \$2.25, 500 lbs. \$9.50.

KENNEY'S IMPROVED AMBER CANE.

Mr. Kenney, who originated and introduced the Minnesota Amber Cane about 25 years ago, has been quietly at work selecting and improving it all these years, and we are pleased to offer seed of his own growing this year. This seed was grown in Central Minnesota and we recommend it as most decidedly the earliest and best cane in the world. It will make the very finest grade of beautiful amber syrup of delicious flavor and many persons will prefer it for table use to either maple syrup or honey. It is said that over 250 gallons have been produced per acre, and when boiled down making over 1200 lbs. of sugar. Why not supply your own table in this way, as it is as easily grown as a crop of corn and succeeds well in all parts of the U. S., from Minnesota to Texas. It requires only 4 lbs. seed per acre, and this superior strain of seed is well worth ten times the price we ask for it to the sorghum grower. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$8.00.

KAFFIR CORN.

An excellent fodder plant, yielding two crops of fodder during a season. It grows from four to five feet high, making a straight, upright growth. It has a stalky stem, with numerous wide leaves. The stalks keep green and are brittle and juicy, not hardening like other varieties of sorghum, making excellent fodder, either green or dried, which is highly relished by cattle, horses and mules. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. For the grain sow in rows three feet apart, three to five pounds of seed to the acre. For fodder, sow one-half bushel to one bushel, either broadcast or in drills. Per pkt. 5c, lb. 20c, 3 lbs. 50c. By freight, peck 50c, bu. (50 lbs.) \$1.50, 2 bu. or more @ \$1.35.

WHIPPOORWILL COW PEAS.

The most highly valued plant in the south for fodder and for reclaiming old or worn out land, as it is a leguminous plant of special merit as a fertilizer. The vines when fed green make the best fodder and are very nourishing. The Whippoorwill is the most popular sort and yields a good crop both of fodder and peas. When ripened, the ground peas make the best cattle fattener. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, pk. 65c, bu. \$2.25.



EVERGREEN SWEET FODDER CORN.

FIELD PEAS.

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

SCOTCH BEAUTY.—Best blue field peas. Pk. 60c, bu. \$2.00, 2 bu. or more @ \$1.75.

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



SCOTCH BEAUTY FIELD PEAS.



EARLY AMBER CANE.



JERUSALEM CORN.



KAFFIR CORN.



SEED OATS.

It will pay you to renew your seed oats this year by sowing some of our improved varieties and thus greatly increase your yield. Any variety at 25 cents per lb., 3 lbs. 60 cents, by mail postpaid.

IRISH VICTOR.—This grand novelty, now offered for the first time, was brought over from Ireland three years ago and has proved far superior to all other sorts, grown in the same locality, in vigor of growth, stiffness of straw, and yield. They were a surprise to every farmer who saw them and to the threshermen. Better put in a field of them this year and be prepared to supply your neighbor with seed another season. Instead of selling these at \$2.50 to \$5.00 per bushel as most seed dealers do with a new variety, we offer them at the low price of \$1.00 per bushel. While we have a fair stock, still it will doubtless be exhausted long before season is over. First comers get them, therefore don't delay in sending your order. Per peck 40c, bu. \$1.00, 10 bu. \$10.00, 100 bu. \$100.00. No discount on any quantity.

LINCOLN OATS.—When we introduced these oats to our customers in 1893 they had never been tested in this state, but had done so exceptionally well in Minnesota that we had much faith in them. Seven prizes, amounting to \$500.00, were offered for the largest crops grown from one bushel of seed sown, and in our 1894 catalogue we published a list of the awards, the first prize going to a man who grew 174 bushels from one bushel of seed sown, and the average of seven successful competitors was 116 bushels each. What we claim for the Lincoln is that it is a very heavy yielder, is comparatively early, has proven itself to be entirely rust proof, and stands up exceptionally well. On account of its soft nib, heavy meat and thin hull it is un-surpassed for feeding and for making into oatmeal. By freight, pk. 40c, bu. \$1.00, 2 bu. or more at 75c, 10 bu. or more at 65c.

I sowed ten bushels of Lincoln oats on the six acres of ground, from which was threshed 498 bushels, or 83 bushels per acre. We had severe drouth this year and other oats yielded only 6 to 10 bushels per acre.—H. M. Dickinson, of Douglas county, Neb.

The Lincoln oats went about 25 per cent more to the acre than other white oats on the same kind of ground. I sowed them just as I did the others.—C. F. Herrick, Buchanan county, Iowa.

EARLY CHAMPION OATS.—This grand new variety which was introduced by us in 1898 has given excellent satisfaction to our customers and it gave the largest yield per acre of any variety in the test at the Iowa Agricultural College, and is highly recommended by them. Has comparatively short straw, matures a week to ten days earlier than other kinds, thus largely escaping the liability to rust. Its greatest value lies in its special adaptability as a nurse crop to sow with grass seed, as it does not stool as freely as some other sorts. Will not lodge on rich land. Henry Wallace, editor *Wallace's Farmer*, says: "I would rather risk sowing grass seed with them than any other variety I know of." Price per pk. 35c, bu. \$1.00, 2 bu. or more @ 85c, 10 bu. or more @ 75c.

GREAT NEW ZEALAND OATS.—This grand new variety was first introduced by us in 1895 and has given remarkable 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 maturing than the common round head oat, thus giving time to harvest the hay crop. They stool out remarkably well, and thus require less seed to the acre; are almost entirely free from rust on all kinds of soil. Peck 40c, bu. \$1.00, 2 bu. or more @ 9 c, 10 bu. or more @ 80c.

GREAT NEW ZEALAND OATS.

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

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

TREE AND HEDGE SEEDS.

PER PKT.	By mail, postpaid.			BY EXP. 5 LBS. OR MORE @
	OZ.	¼ LB.	LB.	
Apple.....05	.10	.20	.60	.35
Ash Am. White.05	.10	.15	.50	.30
Box Elder.....05	.10	.15	.50	.30
Catalpa, Hardy.05	.10	.25	.80	.45
Locust, Black...05	.10	.20	.50	.25
Locust, Honey..05	.10	.20	.60	.30
Mulberry, Rus'n.05	.25	.75	\$2.25	\$1.50
Osage Orange...05	.10	.15	.50	.35
Tree of Heaven..05	.10	.25	.75	.50

BLACK or NEGRO OATS.—A very popular variety of oats in the south as they are claimed to be almost drouth proof. They have stiff straw, heavy berry, and are very productive. While there are comparatively few black oats grown in this country, still they are said to be fully equal to the white for feeding, and are much preferred in England and other European countries. Better try at least a small field this year, and we feel sure that our customers, in the south especially, will be pleased with the result. Per peck 50c, bu. \$1.50, 2 bu. or more @ \$1.25.



EARLY CHAMPION.

IRISH VICTOR OATS.

A Grand Oat Novelty for 1900.

It is probably known to but few farmers that almost all the new varieties of oats originate either in Scotland, Northern Ireland, or New Zealand, and it is to these countries that we are obliged to look for improved sorts. The Irish Victor was brought over from Ireland three years ago and has proved superior to all other sorts grown in the same section. In vigor of growth, stiffness of staw and productiveness. Our grower in Poweshiek county, Iowa, says his neighbors agree with him in pronouncing it the handsomest oat field ever seen in Iowa. The straw is very stiff, holding the heavy head up well. It is fully as early as the Lincoln and yields more than that very productive variety. The grains are large, plump and heavy. Plant grows to medium height, stools out exceptionally well, is free from rust and yields an immense crop. When we heard of this wonderful variety we at once investigated it fully and purchased the entire crop. Not a bushel of it is in the hands of anyone else except the few bushels which the farmer reserved for his own planting. We have made price so low that no one can afford to do without it this year. We are only sorry that we have not a larger stock, as it will doubtless soon be exhausted. Per lb. 25c, 3 lbs. 60c, postpaid. By freight, per peck 40c, bu. \$1.00, 10 bus. \$10.00, 100 bus. \$100.00. No discount on any quantity.

I have handled a great many carloads of oats both of my own growing and also as a shipper of grain to eastern markets, but I consider your Irish Victor the best ever shipped from this station. I saw the oats growing and the field was beautiful; it stood up straight having a very stiff straw and sprangled head. They far surpass the Lincoln, Swiss, White Russian, Bonanza and all other varieties of oats which have been grown in this vicinity. —H. H. Connell, Poweshiek Co., Ia.

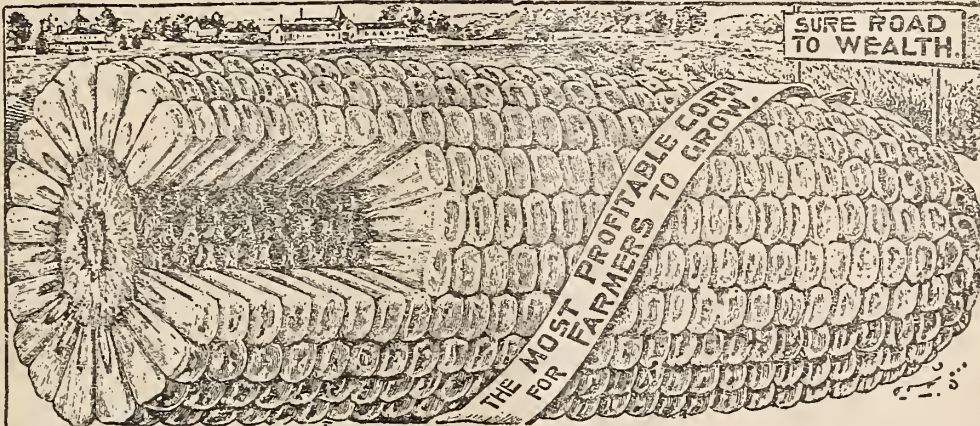
Your Irish Victor Oats made the heaviest crop that I ever saw, and they stood up the best of any oats in our neighborhood this year. —Wm. H. Swain, Mahaska county, Ia.

The Irish Victor are the best and most productive oats I have ever raised. They have stiff straw and stand up better than any other sort. —John J. Doonan, Poweshiek county, Iowa.

Farmer's Reliance Corn.

A grand novelty in field corn now offered for the first time, and it is by far the earliest variety of dent corn in existence, and also the largest eared early corn. A more full description will be found on page 30 of this catalogue, but we want to call it to the special attention of farmers in the north where season is short. It will pay farmers all through the central corn states to plant at least a small field of it so that they can have a crop which they can depend on any kind of a season. It is the Farmer's Reliance every year and is not a small ear like so many extra early sorts, but makes an ear of good average size. Don't fail to try it. Per lb. 40c, 3 lbs. \$1.00, postpaid. By freight, 1/2 peck 60c, peck \$1.00, 1/2 bush. \$1.75, bush. \$3.00.

The originator of the "Farmer's Reliance Corn" says in regard to it: "It is the earliest corn I have ever seen or grown, maturing in 80 days, being ten days to two weeks earlier than Pride of the North, and it will yield double as much per acre. It is very heavy, usually weighing 60 pounds to the measured bushel. Your customers cannot fail to be greatly pleased with it in every respect as I verily believe it to be the most productive early corn in existence."



PROFIT CORN.

The most profitable corn for any farmer who has live stock to feed. Last year we introduced this grand new variety and it gave excellent satisfaction everywhere. It originated from a carefully prepared cross of two well known sorts on the farm of a seed grower in Madison county, Iowa, which is the county that produced our now world famous Iowa Gold Mine. For nearly 20 years

PROFIT CORN.
Nov. 1899.—I am much pleased with your Profit Corn, as it is remarkable for its vigorous growth, and in spite of the dry weather at earing time and it having no extra cultivation it yielded at the rate of 120 bushels per acre of solid, well filled ears. It beats your Iowa Gold Mine, and this I consider high praise. —L. L. Stewart, Peoria Co., Ill.

California Golden Broom Corn.

Omitted from the general list. We consider it one of the best sorts. Color light green turning to yellow instead of red. Makes straight fine brush considered by many superior to the Evergreen. Japanese or any other variety. Our seed is new and nice. Per lb. 25c, 3 lbs. 65c, postpaid. By freight, 10 lbs. 6c, 25 lbs. \$1.25, 100 lbs. \$4.00.



DWARF ESSEX RAPE.

Of comparatively recent introduction in this country, but has proved to be THE MOST VALUABLE FORAGE PLANT IN EXISTENCE for many sections of the country. It is easily grown everywhere, can be sown early with a grain crop, but is usually sown in June or July in a field with corn or potatoes for summer or fall pasture. It produces a wonderful amount of feed, one acre being sufficient for 30 to 40 sheep and lambs for two months, and they gain flesh so rapidly that they soon "weigh like lead." While it is the ideal food for sheep, still it is of equal value for hogs and cattle, as they are very fond of it, and it is extremely cheap, having yielded 9 1/4 tons of fodder from 1/2 acre. It is well to make several sowings during the season, so as to have it from early until late. If soil is rich and clean sow broadcast, but on most land it will pay to sow in drills and cultivate once or twice to keep down weeds. Dwarf Essex Rape is well adapted for a catch crop where other crops have from any reason failed as it makes most of its growth late in the season. Can be sown in stubble after oats, wheat, etc., and makes a fine fall pasture. Our seed is the best imported and cannot be surpassed. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight, 5 lbs. 5c, 10 lbs. 80c, 25 lbs. \$1.75, 100 lbs. \$6.50.

T. J. Kegley, of Ames, Iowa, writes us: "I have been growing Dwarf Essex Rape for the last four years and find it a very satisfactory food for sheep, hogs and cattle. I would not think of farming without a good acreage of it. I plant between potato rows or sow with rye or oats."

FILL YOUR CORN CRIBS WITH Profit Corn And fill your pocketbook with money Make Your Live Stock Happy By feeding first-class corn. BE THE FIRST In your neighborhood to plant PROFIT CORN and then supply your neighbors the next year with seed. There's Money in it.

this corn has been bred up until now it is claimed to be The heaviest, most solid ear of any variety in existence, and of good average size.

It ain't a Handsome Corn, but it's got Money in it!

The color of the surface of ear is variegated from light sulphur to bright orange, being agreeably diversified, making it particularly striking in appearance. With some this might be an objection if they desire to sell it in the ear, but when shelled it looks quite uniform in color as the variation is simply in color of the cap or top of grain. The purpose of the originator was to fix a type of field corn FOR PROFIT, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of SHELLED CORN (not cobs) maturing in reasonably short time and of the best quality. Ears of large size, grain is very deep, cob small and dries out rapidly, thus making it a sure cropper. The corn is so solid on cob that the kernels appear as if driven in and it shells out immensely. Will produce a larger crop on poor soil than any variety we know of and with good culture will astonish everybody. It is the corn to plant and we want all our customers to try it. You cannot get it elsewhere, as we are not wholesaling it this season. Order early as our stock is limited. Per pkt. 5c, lb. 25c, 3 lbs. 60c, 7 lbs. (sufficient for one acre) \$1.00, by mail or express prepaid. By freight per 1/2 pk. 40c, pk. 75c, bu. \$2.25, 2 bu. or more @ \$2.00.

DWARF ESSEX RAPE



IRISH VICTOR

OATS THE GREAT \$1.00 OAT
\$1.00 PER BUSH. 100 BUSH. \$100.00.

THAT CROP BEATS THE
COUNTRY AND ALL THE COUNTRY 'ROUND



VELVET CHAFF.

VELVET CHAFF or BLUE STEM WHEAT.—Does the best of any sort throughout Iowa. It is a remarkable, semi-hard spring wheat, yielding large crops free from rust. The millers here pay more for it than any other sort. It is fully equal to the old Pife wheat and yields a very much larger crop. It is now the main crop in the northwestern states and the great milling kings use it for their highest grade flour, and it has been the most reliable variety year after year, yielding a good crop where other kinds fail. All stocks of this variety show some mixture, but our seed is nice this year and we are sure will please our customers. Per lb. 20c, 3 lbs. 50c. By freight, peck 35c, bu. \$1.25, 2 bu. or more @ \$1.15, 10 bu. or more @ \$1.00.

TURKISH RED WINTER WHEAT.—The hardest variety of winter wheat in existence, and may be considered STRICTLY IRONCLAD, as it has proved invincible here in the most exposed places every winter for 17 years past with only one exception. In growth it resembles rye, stooling out greatly and yielding an immense crop, it having a record of 44 bushels per acre under ordinary circumstances. While it is a winter wheat still it will pay you to buy now, or order now for shipment as soon as new crop is harvested. Prices subject to change of market. 1 er lb. 20c, 3 lbs. 50c. By freight, per pk. 40c, bu. \$1.25, 2 bu. or more @ \$1.10, 10 bu. or more @ \$1.00.

HARVEST KING.—A popular new variety of winter wheat. Per peck 50c, bu. \$1.50.

IDEAL WHITE HULLESS BARLEY.—And it is an ideal that pleases all who try it. The heads are large and well filled with big, plump kernels, which are hullless and of great value for feeding. Those who have grown it say that it produces a very much larger crop than any other variety. It weighs 60 to 65 lbs. to the measured bushel, while ordinary barley weighs only 48 lbs. The straw is very stiff and strong. It is the handsomest, most productive and the best variety we know of. Per pkt. 5c, lb. 30c, 3 lbs. 75c, postpaid. By freight, per peck 75c, bu. (48 lbs.) \$2.00, 2 bu. or more @ \$1.80, 10 bu. or more @ \$1.70.

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

JAPANESE BUCKWHEAT.—About a week earlier than Silver Hull, and yields almost as much again. The flour made from it is equal in quality to any other buckwheat, while it is much more productive than any other, and succeeds well far north. As the straw is heavier and it branches more, it does not need to be sown as thickly as the other kinds. Per lb. 25c, 3 lbs. 60c. By freight, per peck 40c, bu. (52 lbs.) \$1.35, 2 bu. or more @ \$1.25, 10 bu. or more @ \$1.20.

SILVER HULL BUCKWHEAT.—A very good and popular variety. Grain is of a light gray color, is rounder than the common variety, has a much thinner husk, earlier, and yields more. Per lb. 25c, 3 lbs. 60c. By freight, per peck 40c, bu. \$1.35, 2 bu. or more @ \$1.25, 10 bu. or more @ \$1.15.



IMPROVED PROLIFIC TREE BEANS.

JAPANESE BUCKWHEAT



NATURAL SIZE

is intermediate between wheat and barley, the spikelets being separated from each other in such a manner that the crop is not easily injured by the weather. Will grow well and produce immense crops on poor soil and dry weather appears to have no effect on it. Botanically it is known as *Triticum Spelta* and is supposed to be the grain grown in Egypt in the time of Moses. It has given splendid satisfaction to our customers and every farmer should try it. Per large pkt. 5c, lb. 30c, 3 lbs. 75c, by mail, postpaid. By freight, per peck 75c, bu. \$2.25, 2 bu. or more @ \$2.00.

S. TRUMPY, of South Dakota, says: "The Spiltz did remarkably well. It is a wonderful stooler and robust grower, yielding near 60 bushels per acre."

Sept. 12, 1899.—I am well pleased with the Spiltz purchased from you and all my neighbors want seed of it.—C. A. Pownder, Havelock, Ont.

IMPROVED PROLIFIC TREE BEANS.—Also called California Wonder. Undoubtedly the most prolific bean grown, and it will yield a larger crop under ordinary circumstances than any variety that we have ever seen. On our own farm with conditions not usually considered favorable, it yielded a crop of 41 bushels per acre. The beans are pure white, of small size, greatly resembling the "Navy" and command the highest market price. Plant grows upright about 20 inches high, with stiff stem and branches held well up from the ground on good bean soil, though if the ground is very rich they do not stand up so well. Unusually free from rust and mildew. Will make about as profitable crop as you can put in. Per pkt. 5c, ½ pt. 12c, qt. 35c. By freight, per peck \$1.00 bu. \$3.75.



IDEAL BARLEY.

SPILTZ.—A most wonderful new grain which was introduced by us and we are sure will prove of great value. For centuries past it has been grown in a limited way in eastern Russia near the Caspian Sea, its value not being known to the civilized world. Nine years ago an emigrant from there brought some to this country, and it yielded more than either barley or oats. It is of high value for feeding and will make a fair grade of flour somewhat similar to rye. Our illustration which represents one head, shows somewhat the shape of the grain which



SPILTZ

WONDERFUL SAND VETCH. (*Ger. Sandwicken.*)—A comparatively new forage plant in this country, which has proved of highest value and is highly recommended by the U. S. Agricultural Department also of great value as a fertilizer, estimating the value of a crop of it plowed under as being equal to \$18.00 to \$45.00 worth of commercial fertilizers. It succeeds on all soils and withstands extremes of drouth, heat, and cold. Makes good pasture all winter in the south and is more hardy than clover in the north. Sow one-half bushel per acre. Per pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, peck, \$1.75, bushel (60 lbs.) \$6.00.

IDAHO COFFEE PEA. (*Cicer Arietinum.*)—A great novelty in farm seeds. The seed is very peculiar, unlike anything you ever saw, not at all resembling the Coffee Berry listed on this page. It is a native of Idaho and has been grown in many of the western states. It also grows in some parts of Mexico, thus showing its adaptability to a variety of climates. In Colorado it is grown largely as a substitute for coffee, producing an immense crop at a low cost. 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. 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 it this year even if you purchase only a small quantity. Per pkt. 5c, ¼ lb. 15c, lb. 40c, 3 lb. \$1.20, postpaid.



SAND VETCH

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

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

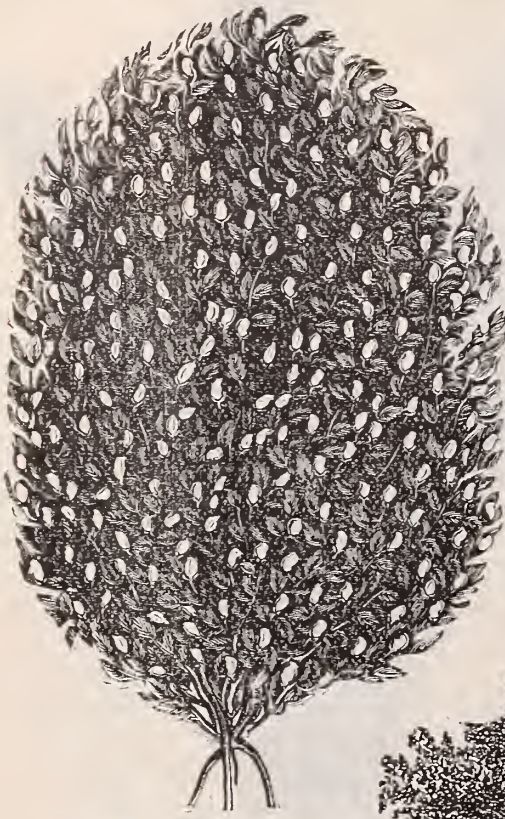
MAMMOTH RUSSIAN SUNFLOWER.—The largest of all sunflowers. This is without doubt one of the best paying crops that can be raised. The seeds make the best of food for poultry and can be raised at a very trifling cost (about one-third the cost of corn), and the stalks, which grow very large, make excellent firewood. It is also said to afford protection against malaria. Large pkt. 5c, lb. 25c, 3 lbs. 60c. By freight, 10 lbs. 70c, bushel of 25 lbs. \$1.50.

WHITE BEAUTY SUNFLOWER.—A mammoth single-flowering variety with pure white seed, which is the result of eight years' careful selection. Desirable for the flower garden and also excellent for poultry, outyielding the old sorts almost two to one in quantity of seeds produced to the acre. Large pkt. 5c, lb. 35c. By freight, 5 lbs. or more @ 20c.

BLACK GIANT SUNFLOWER.—A monster among sunflowers; seeds black. Quite attractive. Per pkt. 5c, ¼ lb. 15c, lb. 50c.



SUNFLOWER



IDAHO COFFEE PEA.

AUSTRALIAN BROOM-CORN.

—Makes the most even and perfect shaped and colored hurl brush of any variety that we have ever seen, almost every pound of it being straight, of light green color and suitable for the best parlor brooms. It is much more productive than most other kinds, the brush is much longer and is sure to bring a higher price. Per lb. 30c, 3 lbs. 75c. By freight, 10 lbs. \$1.20, 25 lbs. \$2.50, 100 lbs. \$8.00.

IMPROVED EVERGREEN BROOM-CORN.—More largely grown in the western states than any other. The brush is noted for its fine quality, good length and handsome appearance; cut before the seed is ripe, it is a beautiful pea green color. It ripens early and yields heavy crops. Per lb. 25c, 3 lbs. 65c. By freight, 10 lbs. 65c, 25 lbs. \$1.40, 100 lbs. \$4.50.

DWARF BROOM-CORN.—Popular in some sections. Per lb. 25c, 3 lbs. 65c. By freight, 10 lbs. 75c, 25 lbs. \$1.50, 100 lbs. \$5.00.

EARLY SOJA BEANS.

(*Coffee Berry.*)—During recent years this has been largely sold under the name of German Coffee Berry at extremely high prices, but we prefer to offer it under its correct name. The berries ripen in about three or four months from the time of planting and produce a crop of twenty to forty bushels to the acre and are as easily grown as other beans. When roasted and ground it closely resembles coffee and tastes quite similar. Some mix half and half with coffee when using and claim it is superior. Its great value to the farmer lies in the fact that when ground it makes one of the most valuable crops for feeding stock and adds greatly to the milk production. Claimed also to be much superior to clover for fertilizing the soil and for pasturing, or feeding the green fodder, of which it frequently yields from eight to twelve tons per acre. Plant in drills two or three feet apart and one foot between plants. Per pkt. 5c, ¼ lb. 15c, lb. 40c, 3 lbs. \$1.00, postpaid. Pk. \$1.50, bu. \$5.00.

SPRING RYE.—The straw is shorter and stiffer than the winter variety and is always easily secured, while the grain is of equal value. Per lb. 25c, 3 lbs. 60c, pk. 50c, bu. \$1.50, 2 bus. or more @ \$1.25.

WINTER RYE.—Per peck 40c, bu. 75c, 2 bu. or more @ 60c.

SEED FLAX.—Prices subject to change during the season: present price per pk. 60c, bu. \$1.75. Ask for price in quantity.

I have tried your seeds now for two years and I find them not only the cheapest but the best I have ever had, and I much prefer them to those of other companies.—J. S. Leamert, Polo, Mo.



SOJA BEANS, OR COFFEE BERRY



EVERGREEN BROOM-CORN.

CLOVER SEED.



For many years we have made this a specialty, and we now have our electrical machinery for cleaning so perfected that we claim that our grades average better than those of most other markets, and believe that they cannot fail to please the most particular. Other seed dealers who have happened to be in our warehouse when we were cleaning clover, have often remarked that the seed looked so extra nice they should not reclean it. From these same lots of seed we were cleaning out three to five pounds per bushel of trash, sand and shrunken clover seed. This makes quite a difference in real value, and our seed is really worth 50 cents to \$1.00 per bushel more than that obtained from most dealers.

PRICES—on clover and grass seeds are changing almost daily, so that we are unable to quote prices which will be invariable. *Don't fail to write for prices before buying.* We issue a price list each week from January until June. If you are in a hurry for the seed you can order it and we will send seed to full value of money sent on day order is received. The following are the prices we are selling at on the date this catalogue goes to press (Dec. 20, 1899.) We prepay postage at the 1 and 3 pound rate; larger quantities shipped at purchaser's expense. Trial packets of any variety at 5c each.

MEDIUM RED CLOVER.—This is the most important of all clovers and the standard everywhere for hay and pasture. It is also known as Common Red or June Clover in many sections. Our Iowa grown clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooing qualities, so that now we receive many orders annually from the most distant parts of the U. S. and also from foreign countries. It has been tested by the Agricultural Experiment Stations in various parts of the country and ranks among the highest everywhere. We claim that it will produce as much if not more hay per acre and that of better quality than seed from any other section and well posted farmers are beginning to appreciate the difference between it and ordinary stock. We have many customers in Pennsylvania, New York and other parts of the east who purchase from us annually, although our seed costs them more, freight considered, than the eastern grown. Perhaps you can buy seed a trifle cheaper per bushel from some other dealer, but if you really desire to save money you will find that it does not pay to buy the inferior seed containing a mixture of weed seeds, dirt, sand, shrunken clover, etc. It pays to have the best. Sow 15 lbs. per acre. Per lb. 25c., 3 lbs. 65c, postpaid. Per peck \$1.40, bushel \$5.40. Bags extra 15c each.

MEDIUM RED CLOVER; Second Grade.—Useful for thickening pastures, etc. We list this for our customers who want a cheaper grade, and while we do not claim that it is equal to our best, it is as good as much of the seed furnished by other dealers. Country merchants frequently buy this grade because they can make a larger profit on it. Per bushel \$4.75.

SAINFOIN CLOVER.—Also called *Escarcelle Clover.*—An excellent but comparatively little known variety of special value for growing on light dry, sandy or limestone soils. It is very deep rooted and therefore withstands drouths. It is a good fodder plant and when made into hay is claimed to be of special value for milch cows. Seed is very large. Usually sown with oats or barley using 30 to 40 lbs. of seed per acre. Per lb. 25c, 3 lbs. 60c. Peck \$1.25, bushel \$4.50.

MAMMOTH RED CLOVER—Also called Sapling or Pet Vine Clover. This greatly resembles the Medium Red, but is of much taller and more vigorous growth. The stems are so large and coarse that it is not valued for hay, but nothing equals it for hog pasture, as it will produce an enormous yield and is of the highest feeding quality. It gives very quick results, making an unequalled crop and is usually considered a permanent pasture grass. If your soil is poor and needs enriching there is no fertilizer as cheap and good as sowing Mammoth Clover and plowing the crop under. It is the clover for poor soils. Sow 15 lbs. per acre. Per lb. 25c, 3 lbs. 65c postpaid. Per peck \$1 50, bush. \$5.75.



ALFALFA CLOVER,

ALSIKE CLOVER.—Unexcelled for hay and we cannot too strongly recommend it to our customers. It is a true perennial, producing a good crop the first year and every year thereafter and the field really keeps improving each season. Highly valued also as a permanent pasture. It is hardy even in northern Minnesota and is the only variety which will produce a good crop and not kill out in low wet ground. It also adapts itself to high, upland soils and resists the drouth well. The hay is finer and better than any other, and alsike is, therefore of special value for sowing with timothy. Height 18 to 24 inches, and has round pink or flesh color heads. Seed is small and it therefore requires only 8 lbs per acre or half that quantity if sown with timothy. Per lb. 35c, 3 lbs. 90c. Per peck \$2.15, bushel \$8.00.

ALFALFA, or LUCERNE CLOVER.—Very popular in many portions of the country. Under proper management it will yield ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep, frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and, instead of impoverishing the soil, enriches it. Grows on the thinnest sandy soil and thrives in greatest drouth. Sow broadcast about 25 lbs. to the acre. Comes up very spindling and slowly and it is necessary to mow the weeds to give it light, but when once established the weeds will be smothered. Postpaid, per lb. 30c, 3 lbs. 75c. Per peck \$1.85, bushel \$7.20.

WHITE DUTCH CLOVER.—Desirable in pasture mixtures. Also used largely for lawns. Lb. 40c, 3 lbs. \$1.00. Per peck \$2.25, bush. \$5.25.

SWEET CLOVER.—Also called *Honey Clover.*—Greatly liked by bees. Fragrant. Per pkt. 10c, lb. 50c, postpaid: by freight 5 lbs. or more, @ 35c.

CRIMSON CLOVER.—Also called *Giant Incarnate.*—This is an annual variety in common use in the east and south for feeding green. The yield in fodder is immense, and after cutting, it at once commences to grow again, and continues until severe cold, freezing weather. It grows about one foot high, roots nearly black, leaves long, blossoms long, pointed, and of a very deep red or carmine color. Makes good hay. Sow in April or May twenty pounds of seed per acre or it may be sown in the corn at the time of last cultivation in July and will produce an excellent pasture for fall or it can be plowed under and will add greatly to the fertility of the soil. The only objection to it is that it winter-kills in this latitude. It may be sown every year in corn, wheat, oats or potatoes, and two crops obtained. Per lb. 25c, 3 lbs. 65c. Per peck \$1.50, bush. \$5.75.



ALSIKE CLOVER.

COLLECTION OF CLOVERS.

One packet each of the above 8 kinds of clover for 30c, postpaid. One pound each of the eight kinds by express \$1.20, purchaser to pay the charges.



CRIMSON CLOVER.

GRASS SEEDS.

We are the largest dealers in this line in central Iowa, and our trade has been built up by handling only the best grades of new re-cleaned seed. We have pleased thousands of others and can please you with our choice Iowa grown seed.

PRICES Grass seeds are sold on a very close margin of profit and prices are constantly changing with the market. Should you desire a quantity of anything in this line be sure to write us for special prices, naming the amount needed. Most kinds of grass seeds are somewhat higher in prices this year, but please remember that our quotations are for our best grades of re-cleaned seed, and we know that price is as low as such grades can be bought for anywhere. At the pound rate we prepay postage. Grain bags to hold seed 15 cts. each.

MEADOW FESCUE OR ENGLISH BLUE GRASS.—Succeeds well in almost all soils, from high dry land to moist, standing the dry summer heat excellently. It is valuable as pasturage grass, being one of the earliest in the spring and the latest in the fall. It is very nutritious and greedily eaten by all kinds of stock, and very fattening. It is hardy, never grows in tufts, and being tender and succulent, makes excellent hay. Is a perennial, two to three feet high, flowering in June and July. Pound 30c, 3 lbs. 75c, postpaid. By freight, bu. of 14 lbs. \$1.40, 100 lbs. for \$9.25.



MEADOW FESCUE,

TIMOTHY.—More used than any other variety of tame grass. We are located in the best section of the country for growing timothy seed, and more of it is grown in Iowa than any part of the world. Our seed is extra nice. Per lb. 20c, 3 lbs. 50c, bu. (45 lbs.) \$1.25, bag of 2½ bus. \$3.00.

PERENNIAL RYE GRASS.—(Or *English Rye Grass*).—A nutritious permanent grass for meadows and pasture, or for mixing with other grasses for lawns. Does well on sloping banks, as its roots are fibrous and mat-like. Is specially adapted for pastures, as it will endure close cropping and is of strong, quick and successive after growth. Does well on almost any land, but prefers rich or moist soil, such as will produce a good corn crop. Sow 20 lbs. per acre. Per lb. 20c, 3 lbs. 50c, per bu. (14 lbs.) \$1.90, 100 lbs. \$6.00.

ITALIAN RYE GRASS.—An annual variety of above, which can be depended on to give a large crop the first year. Valuable for sowing with crimson clover as a catch crop on red clover fields where clover has winter killed. Does well on any good clover land. Sow 20 lbs. per acre. Per lb. 20c, 3 lbs. 50c, per bu. (14 lbs.) \$1.20, 100 lbs. \$7.50.

CRESTED DOGSTAIL.—For permanent pastures on high land and dry, hard soils it is invaluable. Makes a close thick sod, and is valuable for lawns. Sow 15 lbs. per acre. Lb. 40c, 3 lbs. \$1.00, bu. (14 lbs.) \$3.75.

TALL MEADOW OAT GRASS.—For either hay or permanent pasture. Does well on any soil, but of special value on clay land. Grows tall and therefore desirable for meadow. Does not winter kill. Seldom sown alone, but should be included in all mixtures. Per lb. 25c, 3 lbs. 65c, bu. (14 lbs.) \$2.10.



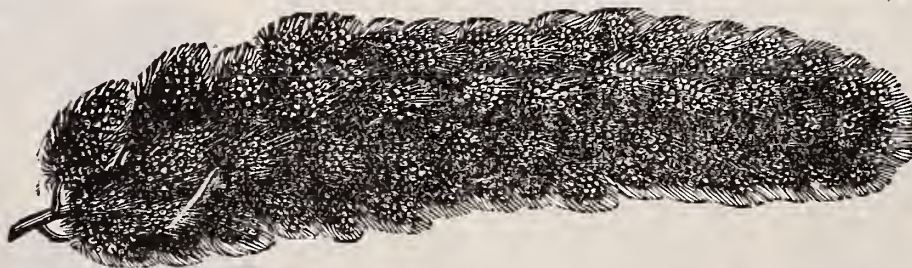
ORCHARD GRASS.



TIMOTHY.



PERENNIAL RYE GRASS.



GERMAN MILLET.—Much better than the common millet, as it will produce double the crop. Our seed is the best southern grown, more productive than northern. Lb. 20c, 3 lbs. 50c, bu. (48 lb.) \$1.00, bag of 2½ bus. \$2.25. Second grade, bu. 75c, bag of 2½ bus. \$1.75.

COMMON MILLET.—Best, per bu. (48 lbs.) 75c, bag of 2½ bus. \$1.75.

HUNGARIAN.—Per bu. (48 lbs.) 85c, bag of 2½ bu. \$2.00.

NEW SIBERIAN MILLET.—A distinct new variety, having bright red seed. Produces a fine crop of hay about two weeks earlier than the German millet, is very leafy and of excellent quality. Sow 25 lbs. per acre. Lb. 20c, 3 lbs. 50c, bu. (48 lbs.) \$1.50. Bag of 2½ bus. \$3.50.

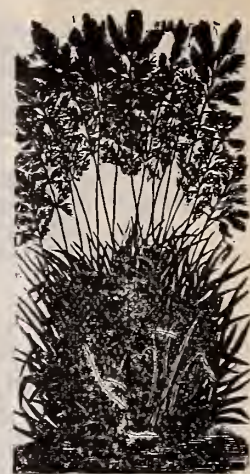
MANITOBA MILLET.—Also called *Hog or Broom Corn* millet. Has proved to be the best millet for withstanding drouth. Ripens about 2 weeks earlier than German millet. Per lb. 20c, 3 lbs. 50c, bu. (48 lbs.) \$1.20. Bag of 2½ bu. \$2.75.

ORCHARD GRASS.—One of the most valuable of all pasture grasses, coming earlier in spring and remaining later in autumn than any other. It grows about 2½ feet high, producing an immense quantity of leaves. It grows in tufts, and is therefore not adapted for growing alone, but should be sown with Red Clover, Tall Meadow Oat Grass or Rye Grass. Sow 14 lbs. per acre. Per lb. 30c, 3 lbs. 75c. Bushel (14 lbs.) \$1.75, 100 lbs. \$11.00.

SHEEP'S FESCUE.—This variety prefers to grow on light, sandy soil and dry uplands or hillsides. It is deep rooted and is not affected by extreme drouth. Sheep are very fond of it, and it is highly nutritious. Should be included in all mixtures for uplands and dry sandy soils. Hardy perennial. Sow 14 lbs. per acre. Lb. 30c, 3 lbs. 75c. Bu. (14 lbs.) \$2.50.

KENTUCKY BLUE GRASS.

—Very valuable and exceedingly popular in some sections of the country as a pasture grass. It is productive and unusually early in spring, furnishing delicious food for all kinds of stock. It is not easily affected by drouth or frost, is suited to a great variety of soils, succeeding best on a moist, rich meadow. For permanent pastures it is particularly valuable, being of dwarf growth, therefore not so well suited for meadows. Unexcelled for lawns. Our seed is all new crop, and the best grade, "Fancy Cleaned." Sow 14 lbs. per acre for pasture, or 60 to 100 lbs. for lawns. Per lb. 30c, 3 lbs. 80c, bu. (14 lbs.) \$1.50. Sack of 8 bus. \$11.25.



KY. BLUE GRASS

MEADOW FOXTAIL.—A fine grass for permanent pastures, and should be sown in place of timothy in mixtures with clover and other grasses. Of special value for low wet ground, and has stood well even when overflowed for three weeks. Its growth resembles timothy. Sow 14 lbs. per acre. Per lb. 45c, 3 lbs. \$1.10, bushel (14 lbs.) \$4.00.

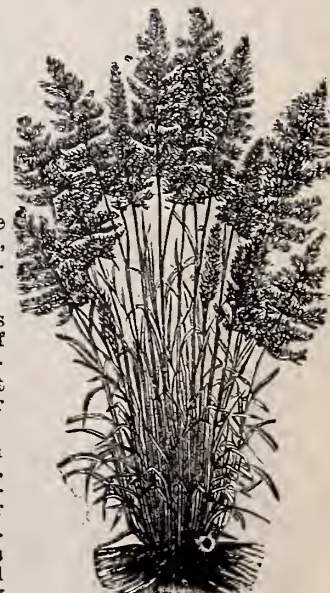
CREeping BENT GRASS.—Special value for pasture and low ground. Starts early, deep-rooted and a valued sort for holding sloping ground or terraces together, as its roots form a compact mass. Sow 15 lbs. per acre. Lb. 30c, 3 lbs. 80c, bu. 14 lbs. \$2.25.

RED TOP.—Sown largely in marshy land and soughs in the west. In the east it is one of their principal sorts, but is not so highly valued here. It makes a fine, close turf and fair quality when not allowed to go to seed. Solid or Fancy clean seed. Per lb. 25c, 3 lbs. 60c. Per bushel (14 lbs.) \$1.50, 100 lbs. \$9.50.

Prime Red Top.—Not cleaned from chaff. Per bu. 85c; 100 lbs. \$5.00.

SWEET VERNAL.—Although this variety does not rank as high as some others for nutritive qualities, yet it is very valuable on account of its delicious perfume, when included in hay its aroma is imparted to other grasses, enhancing the value of the hay and making it relished by the stock. It should be included in the meadow mixtures. Per lb. 30c, 3 lbs. 75c, per bush (14 lbs.) \$2.25.

WOOD MEADOW GRASS.—This grass is invaluable for wood pasture or shaded ground, and should be included in all mixtures for permanent pastures, especially in shady places. It is relished by all kinds of stock, showing a succulent and very nutritive herbage. For lawns overshadowed by trees it is particularly valuable, and it produces a very thick growth and a nice even sod. Sow 20 lbs. per acre. Lb. 50c, 3 lbs. \$1.25. Per bu. (14 lbs.) \$4.25.



SHEEP'S FESCUE.

OUR SPECIAL GRASS MIXTURE

FOR HAY AND PERMANENT PASTURES.



DAIRY FARMERS' GRASS MIXTURE

Dairy farmers particularly desire to take a crop of hay off the meadow and have the aftergrowth for pasture, and where the natural grasses are carefully selected with this object in view, this can be successfully done. This mixture is composed of tall, quick growing grasses for mowing after which the dwarf growing varieties will cover the ground and furnish grazing until late in the fall. This mixture consists of the best varieties of clover and grass seeds, as Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail and others. It is a special mixture which will please everyone. Sow 22 lbs. per acre on ordinary soils. Per lb. 25c, 3 lbs. 65c post paid. By freight, 22 lbs. \$2.25, 50 lbs. \$4.50, 100 lbs. \$8.75.

PERMANENT MEADOW MIXTURE

Will make best quality hay every year, the mixture containing such grasses as produce a heavy growth, and mature together. We send out No. 1 mixture when not otherwise ordered, as it is adapted to medium or average soils. Sow 16 to 22 lbs. per acre.

	20 lbs.	50 lbs.	100 lbs.
No. 1.....	\$2.00	\$4.50	\$8.40
No. 2. For high, dry land, light or gravelly soils....	2.25	4.75	9.00
No. 3. For high, dry land, heavy or clay soil.....	2.25	4.75	9.00
No. 4. For moist and rich soil subject to overflow.....	2.00	4.25	8.00
No. 5 For top seeding on marshes or swamps sow 10 lbs. per acre.....	2.25	4.75	9.25

PERMANENT PASTURES. Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover and timothy alone, but such is the case. We have made a study of this subject, and have grass specialists in our employ and can furnish the seed of the best varieties of grasses mixed in proper proportions for any soil or climate.

Please read carefully the descriptions of the various kinds of grasses and remarks below on sowing grass seeds, and don't be content to follow the old way that your father and grandfather did, but adopt new methods, sow improve varieties and double your crop.

WHEN AND HOW TO SOW GRASS SEED.

The most rapid way of obtaining a grass crop is to sow the seed early in the spring, by itself, without any grain or nurse crop, as the young grass plants are in no way protected by the grain, and when this is cut the young clover and grass is very tender. The cutting of the so-called nurse crop suddenly exposes the young grass at the hottest time of year, and there is great danger of the grass being burned out, while, when the grass is sown by itself the young plants are hardened and more able to withstand the hot and dry sun. However, some farmers will want to sow seed oats with the grass seed, and we wish to call their attention to our Early Champion Oats as being especially adapted for a nurse crop on account of its not stooling so heavily as other varieties. To obtain best results use only a moderate quantity of oats to sow with grass seeds.

After the ground is carefully prepared, the seed is sown broadcast, which can be nicely and evenly done, and very quickly with the little hand seeders described on page 95.

As grass seed is small it should not be covered very deep, the natural covering which may take place after a shower of rain is sometimes sufficient. However it is best and more certain to lightly harrow it in. The pressure of a common farm roller on Clover and Grass seed covers the same slightly, and is one of the best means to insure the quick and even germinating of the seed.

PERMANENT PASTURE MIXTURE.

Selected with a view to having a succession of grasses coming on constantly from earliest spring through the dry summer weather, and through the fall. It is permanent and keeps improving year after year. Sow 18 to 22 lbs. per acre.

No. 6. For medium soils.....	2.00	4.50	8.50
No. 7. For high, dry, gravelly soils.....	2.25	4.75	8.85
No. 8. For high, dry, heavy soils.....	2.25	4.75	8.85
No. 9. For moist and very rich soil.....	2.00	4.25	8.00
No. 10. For wood pastures, orchards, shady places, for a top seeding, sow 10 lbs. per acre....	2.25	4.75	9.00
No. 11. For Sheep Pasture.—Suitable for sandy soils and hillsides. Sow 20 lbs. per acre.....	2.25	4.75	9.00

No. 12. **Quick Result Pasture.**—Not permanent, but when sown early will give full crop of hay, and good pasture until late in the fall. Desirable for both cattle and hogs. Sow 15 lb. per acre. Price 15 lbs. \$1.50, 50 lbs. \$4.60, 100 lbs. \$8.50.

Permanent Hog Pasture.—Ready to use the first year, and many years thereafter. On any ordinary soil sow 15 lbs. per acre. Price, 15 lbs. \$1.60, 50 lbs. \$4.75, 100 lbs. \$9.00

We are prepared to select and make up special mixtures of Grasses for all particular purposes, adapted to all soils and climates. When in need, please write us, describing peculiarities of ground.

THE BEST Not only in Iowa but everywhere.—W. B. Robnett of Lockwood, Kentucky, says; The grass seed received from you is the finest I ever saw. I like it much better than any I ever bought before, and am well pleased in every respect.

LARGE ORDERS. If you desire to purchase a large lot of seed of any kind, be sure to send list and let us quote special prices.

ROOT CROPS.

Successful farmers everywhere are finding that they can raise hogs, cattle and in fact all kinds of live stock much cheaper and keep them in better health by feeding Mangels, Ruta Bagas and Carrots. It costs very little to grow, harvest and store the crop for winter use, and we send printed directions when desired to every customer.

MANGELS AND SUGAR BEETS.—A list of all the best varieties will be found on page 6. There is a larger demand for the Dignity Long Red and Mammoth Golden Giant (called by some dealers the Gate Post Mangel) than for any others.

CARROTS.—A feed of carrots is claimed to be equal to a dose of condition powders for horses, and has a more lasting effect; also good for all kinds of live stock. See page 5, for description and price.

RUTA BAGAS.—A class of turnips grown largely for stock food, especially in the northern states and Canada. Produce immense crops. See page 22.

PUMPKINS.—Similar to above root crops in feeding value. Usually grown in corn. We furnish the Field Pumpkin seed @ 35c per lb. by mail, postpaid. By freight, 10 lbs. \$1.75, bushel of 25 lbs. \$3.00.

PRATT'S FOOD

Most popular condition food for horses, cattle, hogs, sheep and, in fact, all kinds of live stock. It is considered a perfect animal regulator. Price, not prepaid, small pkg 25c, 7 lb. pkg. 50c, 12 lb. sack 75c.

VALUABLE FODDER PLANTS.

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

TEOSINTE.—A fodder plant grown largely in some parts of the country. Somewhat resembling corn in appearance, but the leaves are much longer and broader, and the stalks contain sweeter sap. In its perfection it produces a great number of shoots, growing as much as twelve feet high; very thickly covered with leaves, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. About three pounds of seed will plant an acre. Per ounce pkt. 10c, ¼ lb. 35c, lb. \$1.20, 3 lbs. for \$3.00 postpaid.

PEARL MILLET.—Does not at all resemble the ordinary variety of millet. It is of tall growth, and yields an immense crop of fodder. Is highly recommended by the United States Agricultural Department, especially for the south. Per pkt. 5c, lb. 40c, 3 lbs. \$1.00. By freight, 10 lbs. (will plant one acre) \$1.50, 25 lbs. \$3.00, 100 lbs. \$10.50.

THE LAWN.

*Thank God for grass! No other glory vies
With the refreshing glory of the grass;
Not e'en the blue of the o'erbending skies,
Nor fading splendors when the daylight dies,
Can this sweet smile of living green surpass.*

A nice velvety lawn adds more to the beauty of a place than any other adornment, and even the humblest home may be made attractive with such surroundings, while without a good lawn even the finest flowering plants and elegantly arranged bed seem insignificant. How important it is then to plan for the best lawn obtainable. Do not spend money in sodding a lawn, for it is expensive of its seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better.

EVERGREEN MIXED LAWN GRASS SEED.—This is a mixture of the best varieties of grass seeds suited for growing together in the central and northern states, and will make a beautiful soft velvety lawn and as handsome green as an emerald, and is formed of grasses which keep green from early spring all through the hot dry summer weather until late in the fall. It comes up quickly (about two weeks) after seed is sown, and after once up it soon spreads to cover the ground and is ready for lawn mower in six to eight weeks. It roots deeply on any soil and forms a dense, thick turf with no tendency to grow in tufts or clumps. It is permanent, maintaining its beauty for a lifetime, although it is a good plan to give any lawn a top seeding once in every three to five years. This mixture is made by ourselves from new crop, re-cleaned pure seeds of the best varieties, well suited for even and permanent growth, as good as money can buy. It cannot be excelled for producing a rich, velvety lawn of beautiful dark green color. Price per qt. (will sow 300 square feet) 25c, 4 qts. 85c, postpaid. By freight, per bushel of 15 lbs. \$2.75, 50 lbs. \$8.00, 100 lbs. (will sow one acre) \$15.00.

SHADY LAWN MIXTURE.—Just the thing for sowing under shade trees, as it is a combination of grasses which grow naturally in the woods but are of dwarf evergreen growth. Rake in a little air-slacked lime in such places before sowing the seed as ground is sometimes "sour" in such spots. Per qt. 35c, 3 qts. \$1.00, postpaid. By freight, per bu. (15 lbs.) \$4.00.

TERRACE LAWN MIXTURE.—It is sometimes difficult to get a good sod on sloping ground, terraces, sidehills or embankments. This is a mixture of such grasses as have strong spreading roots, making a close turf which the heavy rains cannot easily wash out. Per qt. 35c, 3 qts. 90c, postpaid. By freight, per bu. (15 lbs.) \$3.60.

"GOLF LINK" GRASS SEED.—And other special mixtures prepared to order. Write describing character of soil and we will plan a mixture for the purpose.

IOWA CLIPPER LAWN MOWER.—The best lawn mower to buy is the one that runs the easiest, does the best work, and is the most durable. All these points we claim for the Iowa Clipper and it has the additional good feature of low price. It is simple in construction, therefore easy to operate, cuts smooth and clean. Diameter of drive wheels 8 1/4 inches. Its cutter bar is solid steel and all parts are of best quality while its simplicity of construction insures durability and also lessens the cost. Price for mower cutting 12 inch swath \$3.25, 14 inch \$3.75, 16 inch \$4.25.

IMPROVED STARK LAWN MOWER.—Made by same factory as the Iowa Clipper and is similar in some respects but made in a more careful and expensive way. The drive wheels are very high (10 inches) and this makes it run easier in tall grass. It cuts an 18 inch swath and is especially adapted for large lawns and parks, being the best and lightest running large lawn mower now on the market. Price \$7.00.

RUBBER HOSE.—A good strong quality, better than that sold in most places. Per roll of 50 feet \$6.00. **Best Quality**—such as we use on our own grounds, per roll \$8.00.

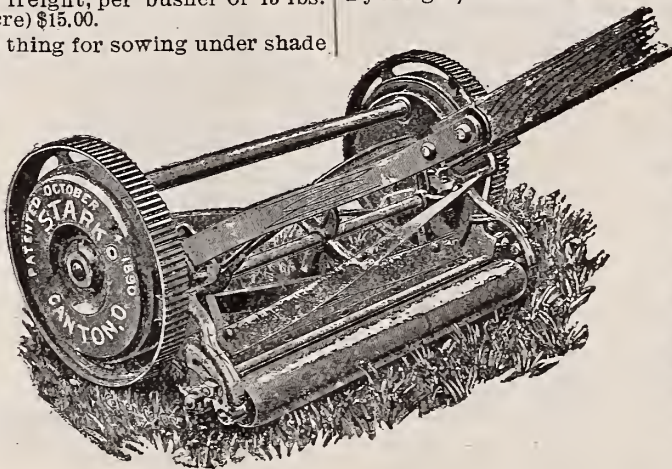
KENTUCKY BLUE GRASS SEED.—Nice for lawns. Per lb. 30c, 3 lbs. 80c, postpaid. By freight per bushel of 14 lbs. \$1.50.

PURE BONE MEAL.—Odorless and lasting fertilizer. Price 10 lbs. 45c, 25 lbs. 85c, 100 lbs. \$2.75.

WHITE CLOVER SEED.—Makes a close nice sod. Per lb. 40c, 3 lbs. \$1.00 postpaid.



CENTRAL PARK LAWN GRASS SEED.—This is a mixture of about a dozen varieties of grasses which our years of study and experiment have proven to be best adapted to growing together. It is very nice for lawns but is of special value for parks and around country homes where it is not convenient to mow the lawns frequently. It contains some fragrant grasses which give out a delightful odor when growing or when cut, and while it is of course better to cut it frequently, still it retains much beauty even if allowed to become long. It is the grass for country homes, parks, and large estates and for this purpose sow about 50 lbs. per acre. Per qt. 20c, 4 qts. 75c, postpaid. By freight, bushel of 15 lbs. \$2.50, 100 lbs. \$14.00.



A Circular Telling

How to Make a Lawn

Will be sent free on request.

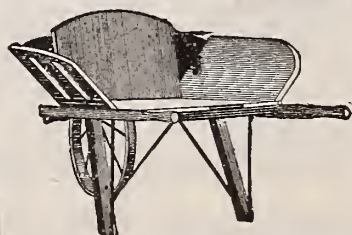
QUANTITY TO SOW.

FOR NEW LAWNS—Sow one quart to 300 square feet.

OLD LAWNS—Are made new fresh and beautiful by sowing one-third the above amount as a top dressing, with some of our

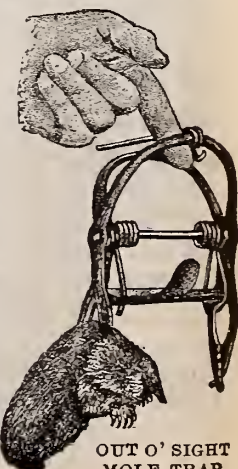
LAWN FERTILIZER.

PEERLESS LAWN FERTILIZER.—You cannot expect your lawn to look fresh always when you are cutting a crop of grass from it every week. Lawn grass is a voracious feeder and requires fertilizer. Do not use stable manure, which is unpleasant to handle, looks bad, and often contains noxious weed seeds. Our Peerless Lawn Fertilizer is of the best quality, dry, finely pulverized and easy to apply. Use 10 lbs. for 1,000 square feet of lawn or 400 lbs. per acre, early in spring. Price per 10 lb. pkg. 60c, 25 lb. pkg. \$1.00, 50 lb. pkg. \$1.85, 100 lbs. \$3.50. If shipped direct from factory in Chicago, 400 lbs for \$8.50.



HAWKEYE WHEELBARROW.—This new invention is the best wheelbarrow on the market for lawn, gar-

den or farm use. The sideboards can be used erect for hauling dirt, ashes, etc., can be set at a half pitch for carrying large loads of trash, manure, boxes, etc., or be opened out flat for hauling posts, cordwood, large boxes, etc. Price \$3.50 each, shipped direct from factory in Illinois.



OUT O' SIGHT MOLE TRAP.—Moles are one of the worst nuisances in the lawn or garden. This trap catches them every time if properly set. Price \$1.25 postpaid, or \$1.00 if sent by freight with other goods.

SELF CLEANING LAWN RAKE.—Best device for raking the lawn. Device shown in our cut is an automatic self cleaner keeping the teeth clear of refuse. Price 75c each.



**AUTOMATIC
SELF CLEANING LAWN RAKE**

**OUT O' SIGHT
MOLE TRAP**

**A CROP SIX WEEKS FROM PLANTING.
THIS IS NOT A FANCY PICTURE BUT AN ACTUAL REALITY.**



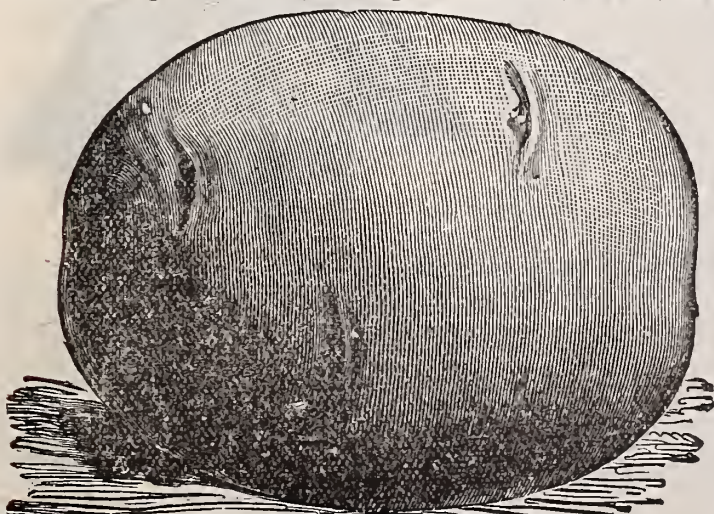
BLISS' EXTRA EARLY TRIUMPH.

EXTRA EARLY OHIO.—(*Fancy Northern Grown Stock*)—For several years past we have been having these grown in the noted Red River valley, about 400 miles north of Des Moines, and careful tests have proven them to be fully ten days earlier than the Iowa grown stock. This is a great advantage to the gardener, and puts this variety at the head, second only to Bliss' Triumph. They are all of good average size, strictly pure, smooth, and free from scab and rot, and outyield other early sorts greatly. It is a special favorite with marketmen, and the most profitable potato they can grow. The sprout is very strong and the vines grow erect, making it easy to cultivate, and on account of its early maturity you can get the highest market prices and have the land for other crops. The tubers grow compact in the hill, are easily dug, very few small ones, nearly every one being of marketable size. They keep firm till late in the spring. This variety is frequently sold under the name Extra Early Six Weeks. This is our specialty in standard varieties. Don't plant Iowa grown stock when you can obtain these. Per pk. 50c, bu. \$1.35, bbl. \$3.25.

Dec. 5, 1899.—*The two barrels Early Ohio Potatoes just received; am well pleased with them. John Entekin, Kingston, Ohio.*

EARLY OHIO.—Grown in Iowa. Our stock is as nice as any which can be obtained, we think, and is desirable both for early and main crop. Per pk. 40c, bu. \$1.25, bbl. \$3.00.

GREAT DIVIDE.—A grand new variety. The most robust growing, largest yielding, longest keeping, and best shipping main crop, white potato in America. In fact, it is a peer of the Burbank in its palmiest days, while it is adapted to a greater variety of soils and climates. Our stock is exceptionally fine. Remember all our stock is true to name, grown for us by the originator. Pk. 50c, bu. \$1.50, bbl. \$3.50.



CARMAN NO. 3.

SEED POTATOES.

With no other seed is the importance of change more essential than with potatoes. By using our northern grown seed you are assured of early maturity, increased yield and vigorous growth.

The following varieties are, we think, the best and most satisfactory sorts for growing in Iowa and other states of of same latitude, and we have many customers in the north and far south who consider our stock the best quality.

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. Customers living at a great distance should look up freight or express rates before sending orders. Prices are subject to any important market changes. Ask for special quotations on large lots. At prices named we make no charges for boxes, barrels or drayage. **POUND PRICES.**—All varieties 30c per lb., 3 lbs. 75c postpaid.

Read T. B. Terry's new book, "A B C of Potato Culture." Price 40c postpaid.

BLISS' TRIUMPH.—The Earliest Potato in Existence.—A handsome round variety which is by far the earliest variety in the world, maturing a week before the Extra Early Ohio, and is wonderfully productive. The tubers are not large, but are of a nice medium size for early use, round as a ball and a beautiful red color. For several years past it has been the most popular variety in the southern states, and in the Bermudas, and hundreds of carloads are shipped to the northern markets, and bring fancy prices. There is always such a demand for them that the seed is scarce, and invariably brings a good price the following season. It is a vigorous grower, and we cannot recommend it too highly for first early market or family use, but it is not so desirable for main crop. Per peck 50c, bu. \$1.75, bbl. \$4.00.

SENECA BEAUTY.—A late variety, popular in some sections, but is apt to blight badly and scab in this state. Per Pk. 40c, bu. \$1.00, bbl. \$2.50.



EXTRA EARLY OHIO.—(*Grown in Red River Valley.*)

BONANZA.—One of the leading varieties for main crop. The tubers are large, oblong, somewhat flattened, skin dark red, smooth, flesh firm, white and fine grained. Productive and of superior quality. Per pk. 40c, bu. \$1.00, bbl. 2.25.

CARMAN NO. 3.—This handsome new main crop potato is of large size, yielding immense crops of uniform size and shape. It is of perfect form, as shown by the illustration, almost every potato being of uniform size and shape, and average nearly one pound each in weight, in good seasons. It has but few eyes, and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific, and will please all potato growers. Keeps well. Per pk 40c, bu. \$1.25, bbl. \$3.00.

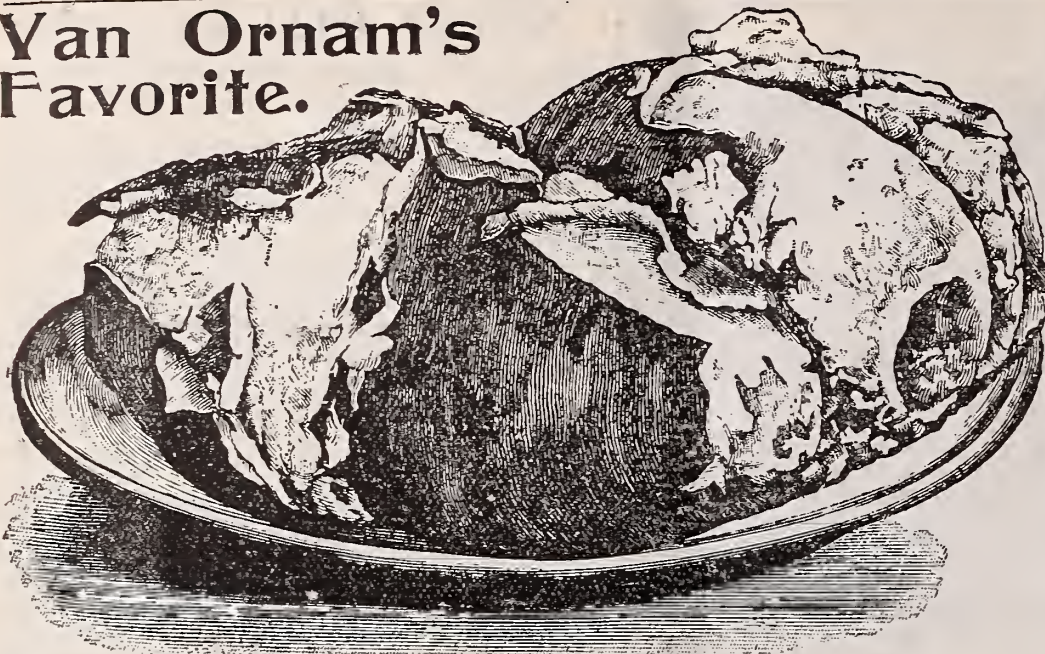
MINNESOTA EARLY ROSE.—Superior in earliness and size to the Iowa grown. Per pk. 50c, bu. \$1.25, bbl. \$3.25.

PARSON'S PROLIFIC.—Introduced by us in 1882, and is still considered by many the best main crop potato in cultivation for Iowa growers. They are a very nice, smooth, white potato, slightly russeted, and with eyes almost even with the surface. They run unusually even in size, there being but few small ones and no overgrown large potatoes. It is the potato for main crop and it will pay you to plant some this year. Pk. 40c, bu. \$1.25, bbl. \$3.00.



PARSON'S PROLIFIC.

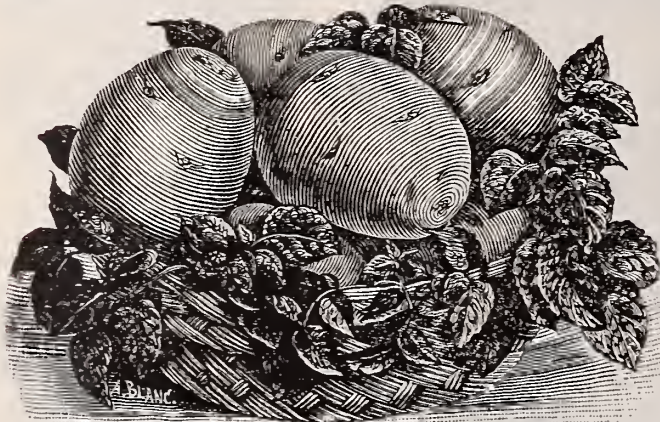
Van Ornam's Favorite.



VAN ORNAM'S FAVORITE POTATO.—Mr. F. B. VanOrnam of this state is well known throughout the country as a prominent seed potato grower and has originated several of the best varieties of potatoes now on the market, amongst others VanOrnam's Earliest, Burpee's Extra Early and Great Divide. This year we have secured from him a most excellent new variety which he says he considers far superior to any other variety of potato for main crop that was ever sent out, and he has tested all varieties now on the market. It is a seedling of strong, erect, vigorous growth with plenty of dark green foliage which is quite tough and resists drouth, blight and insects the best of any variety. The tubers are long and round, sometimes slightly flattened, of pure white color and large to very large in size. They are quite uniform in this respect, there being few small ones indeed in the crop, so that they do not need grading before being marketed. The potatoes grow very compactly in the hill and moderately near the surface, thus making it easy to harvest. The eyes are plenty, but they are about level with the surface causing no inconvenience in peeling. It matures at medium season the ideal time for main crop potato; flesh is very white and mealy when cooked and quality unsurpassed; it is an extra long keeper, remaining sound and of fine flavor and appearance well into the following season. Mr. VanOrnam says it is without

MILLS' PRIZE.—One of the largest potato growers in this state is now devoting most of his land to this variety claiming that it is the largest yielder of any and he can sell it in competition with the Colorado grown, as it is larger and the quality is so superior. Cooks quickly. We recommend it highly. Per pk. 40c, bu. \$1.00, bbl. \$2.50.

doubt the healthiest and greatest drouth and heat resister now on the market, and we send the potato out to our customers with the highest recommendations. We are very sorry, however, that stock is so small that we are unable to offer it in large quantities. Per lb. 50c; 3 lbs. \$1.25 postpaid. By freight or express per 1/2 pk. 75c; per pk. \$1.25. Do not fail to give this grand new variety a trial this year.



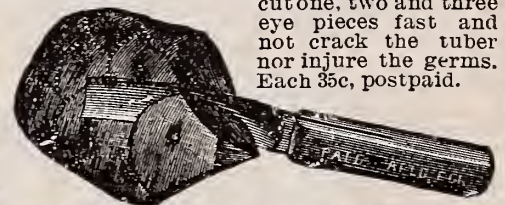
RURAL NEW YORKER NO. 2.

RURAL NEW YORKER NO. 2.—One of the largest yielding varieties in existence. Large and unusually smooth, with few and shallow eyes; skin white, as is also the flesh, which is of superior quality. Medium late and best drouth resister. Per pk. 40c, bu. \$1.00, bbl. \$2.50.

EARLY BEAUTY OF HEBRON.—A standard early sort. Pk. 50c, bu. \$1.25, bbl. \$3.00.

CONCAVED AND CURVED SEED POTATO KNIFE.

—It is thin and of the right shape to cut one, two and three eye pieces fast and not crack the tuber nor injure the germs. Each 35c, postpaid.



SEED SWEET POTATOES.

For twenty years past our firm has been known as headquarters in central Iowa for choice seed sweet potatoes. Our stock is grown, stored and handled especially for seed purposes and cannot fail to please all. So perfect is our manner of packing that there is rarely a complaint, although they are usually considered very perishable, by reason of changes in the weather or rough handling, but we cannot guarantee safe delivery. Price subject to market changes. Write for price on large lots. We ship about April 12, usually. If desired we will send copy of our circular telling how to grow sweet potato plants, free; but it will pay you to read the book on Sweet Potato Culture by Fitz. Price 60c postpaid. See page 25 for price of plants.

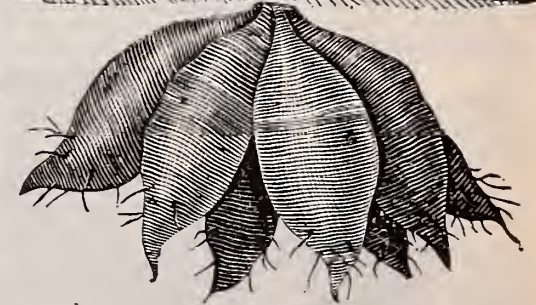
EARLY YELLOW JERSEY.

—In spite of the many so-called new varieties, all of which we have tested, the Early Yellow Jersey holds the first place. The earliest, most productive, of short, chunky shape, and of the very best quality. It is an improvement on the old Yellow Nansmond being of better shape and quality, and will probably always remain the most popular market sort. Potatoes are of good medium size and very few small ones. Per pk. 50c, bu. \$1.40, bbl. \$3.00.

NEW GOLD COIN VINELESS.—A novelty of great merit which has been very popular during the past three years since its introduction. Instead of having long running vines like all other sorts it is of dwarf bush-like growth; leaves are large, shaped somewhat like a maple leaf and unlike any other kind of sweet potato. The tubers are yellow, of medium to large size and lie compactly in the hill. When cooked the flesh is rich yellow color, dry, sweet and of best possible quality. They are quite productive, an immense crop can be raised because owing to their peculiar manner of growth they can be planted closer together and require less labor in cultivation. Excellent keepers. By mail per lb. 40c, 3 lbs. \$1.00. By freight peck 75c, bu. \$2.00, bbl. \$4.50.

RED JERSEY.—Similar in shape to our Early Yellow Jersey but of a dark red color. Quality excellent and it is without doubt the best of all the red varieties. Per peck 75c, bu. \$2.00, bbl. \$4.50.

WHITE SOUTHERN QUEEN.—These are the large "Yams" which are so popular in the south. Even the seed potatoes are monster size often weighing several pounds each. Peck 75c, bu. \$2.00, bbl. \$4.50. Sweet Potatoes received all O. K., and they were fine.—T. A. W. Allabaugh, Marshall Co., Iowa.



WORLD'S FAIR.—A new potato of great value for general use. It is a first quality, strong grower, very prolific, main crop variety. Tubers are smooth and symmetrical; skin white, well covered with netting; flesh pure white, fine grained, mealy. Pk. 50c, bu. \$1.35, bbl. \$3.25.

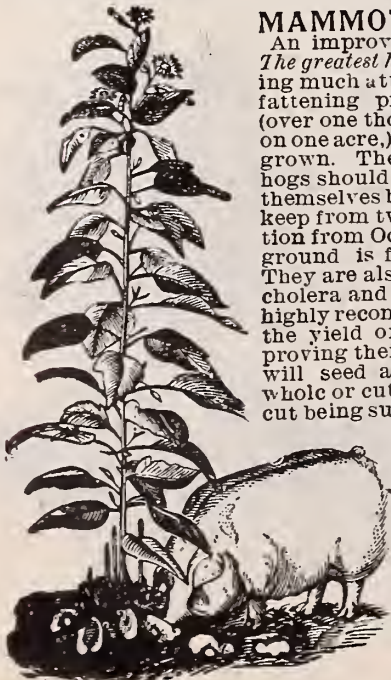
COLLECTION.—1 lb. each of the above 13 varieties for \$1.15 by express, purchaser to pay charges. One peck of each \$5.00.

HYBRIDIZED POTATO SEED.—Potato seed from the flower ball, (the true seed.) It is from such seed that all the choice new varieties of potatoes are originated. Per pkt. 10c, 3 pkts. 25c, postpaid.

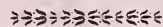
I received the barrel of potatoes you sent me and they were fine.—S. P. Swanson, Essex, Iowa.

MAMMOTH WHITE ARTICHOKE.

An improvement on the Jerusalem artichoke. *The greatest hog food known.* These are attracting much attention on account of their great fattening properties, great productiveness, (over one thousand bushels having been grown on one acre,) and ease with which they can be grown. They need not be dug in the fall; the hogs should be turned on them, and will help themselves by rooting for them. One acre will keep from twenty to thirty head in fine condition from October to April, except when the ground is frozen too hard for them to root. They are also said to be a preventative of log cholera and other diseases, and they are also highly recommended for milch cows, increasing the yield of milk and at the same time improving their condition. Three to five bushels will seed an acre, and they may be planted whole or cut the same as potatoes, one eye to a cut being sufficient. Plant in April or May, in rows three feet apart and two feet in the row and cover about two inches deep. To destroy them they should be plowed under when the plant is about a foot high, at the time the old tuber has decayed and new ones are not yet formed. Seed artichokes are quite scarce this year. Per lb. 30c, 3 lbs. 75c, postpaid. By freight or express, pk. 50c, bu. \$1.50, bbl. \$3.25.



Novelties and Specialties for 1900.



“WHAT have you that is especially new and desirable this year?” is the first question asked us by many of our patrons. In the following pages on pink paper we give special prominence to some of our most important novelties and specialties this year. Each is faithfully described from careful observation. All are worthy and recommended by us. Aside from these, many desirable novelties will be found listed in various parts of the catalogue, as well as the standard sorts which everyone wants for stand-bys.



RELISH LETTUCE.

RELISH LETTUCE.

When visiting the place of one of our seed growers in California last summer we were greatly pleased with this fine new variety which we do not hesitate to call the best of all for family use. It is one of those rich buttery flavored sorts which after one becomes accustomed to, they always prefer to the crisp leaved varieties. It is the blanched yellow center of the head that is eaten with olive oil, vinegar, salt, and pepper. It is extra large and handsome, of unusual solidity and of most crisp, tender quality. It is the most desirable sort for family use and for market gardeners, either for forcing or growing in the open ground. Early and hardy. Pkt. 10c, oz. 30c, ¼ lb. \$1.00.

NEW HESTER SQUASH.

This extra choice new variety which we introduced last year may be called a yellow Sibley squash, as it a strain of that well known variety which has been selected and improved by Mr. Wm. Hester for many years. The old Sibley or Pike's Peak has for many years past been considered the only variety which surpassed the Hubbard in quality every year. Mr. Hester secured a few seeds of the Sibley direct from the originator about 12 years ago, prior to its introduction.

One of these produced a vine which bore fruit different from the type and color, and also much earlier. It is of same shape as the parent variety, but the color is of a pinkish yellow, slightly striped at the point with light green. They are early and quality is excellent even when fruit is quite small so that they can be used as an early summer squash. From that time until mid-winter they are the best of all squashes, and under proper conditions will hold their own until spring. One lady said after testing their delicate flavor, “They are good enough for fairies,” and this suggested our illustration which represents the pet of our family—Lily Page—tasting the baked squash. When stewed or steamed they are drier than when baked, and they make the most delicious pies. Per pkt. 10c, oz. 35c.

AUSTRALIAN BROWN ONION.

A new, medium sized, wonderfully hard and solid variety of onion, and one which is quite attractive for the market, both in form and color. They are extremely early in ripening, and produce a crop of fine bulbs which are very uniform in size. Color is a peculiarly clear amber-brown, quite distinct from any other variety. In keeping qualities it exceeds any other variety that we know of. The U. S. government purchased 200 sacks of these onions and 200 sacks of Yellow Globe Danvers for shipment to the Philippines. The latter spoiled in transit and had to be thrown out while the Australian Brown grown on the same farm reached Manila in perfect condition, showing no signs of sprouting. We are sure it will please our customers, no matter whether they want an onion for marketing or for their own table use. Per pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

SUPERB TOMATO.

A Choice Novelty for 1900.

It is indeed a superb new variety which is sure to please everyone with its high quality. It originated with one of our growers a few years ago and has been carefully selected to perfect the type. It is a sport from the old purple Mikado, retaining the robust healthy growth and potato-shape leaf of that variety, but the fruit is bright crimson, same color as the Matchless. It matures at mid-season and is the most productive variety that we ever grew and will undoubtedly be a very profitable sort for market gardeners. It is hardy and stands a frost which will kill other sorts, and it is also an excellent drought resister. The fruits are smooth, of medium size, and superior quality. Last year most varieties of tomatoes were badly affected with blight, but we could not find any blight in this variety. In packets only of about 100 seeds 15c, 2 for 25c.

MAMMOTH GROUND CHERRY.

A Novelty of 1900.

For several years past we have thought that the Yellow Ground Cherry was a fruit which could be improved, and by hybridizing and selecting we have finally secured a mammoth size fruit fully 1½ inches in diameter, which is of fine flavor. We predict great popularity for it. Have but little seed this year and so can only offer it in packets of 40 seeds. But we are sure thousands of our customers will want to try it. Price per pkt. 10c.

DWARF GOLDEN CHAMPION TOMATO.

For the market gardener this may be described as the best yellow variety of all. In dwarf, compact habit of growth and crumpled foliage the plant is an exact counterpart of the favorite Dwarf Champion, but the large, handsome fruits are of a beautiful lemon-yellow color. Never before have we had a yellow Tomato that was so large, solid, and fine flavored. Per pkt. 10c.



HESTER SQUASH—“Good Enough for Fairies.”

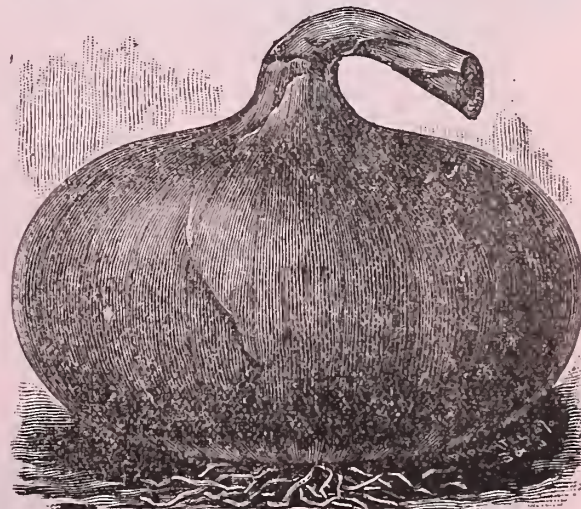
IMPROVED BISMARCK CUCUMBER.

An excellent variety with very long fruit, pointed at both ends, very uniform in shape, size and color, thus making it an excellent sort for marketing. Holds its dark green color well. Pkt. 5c, oz. 10c, ¼ lb. 25c, 1 lb. 7c.

GRADUS PEAS.

The Finest, First-Early Wrinkled Pea.

This new extra early green wrinkled pea is an acquisition and will soon become one of our most popular varieties. We may now have large tender peas, sweet and delicious in early June. The Gradus will yield an abundant supply of the most tender wrinkled peas much earlier than other wrinkled varieties, and they proved to be, as claimed by the introducer, only three days later than the best stocks of the small extra early, such as First and Best, etc. It is also the earliest large podded pea in cultivation. The vine has heavy stems, with large dark green leaves, and grows from 2½ to 3 feet in height. It produces uniformly large pods, measuring from 4 to 5 inches long, well filled with peas of enormous size for such an early variety. The peas remain edible, tender and sweet for some time. The Gradus is an ideal extra early, and we are confident that it is destined to become the leading early variety, both for the amateur and market gardeners. Per pkt. 10c, ½ pt. 2c, qt. 60c.



AUSTRALIAN BROWN ONION

Please . . .

Notice

The illustration of Vegetable Novelties

On Back Cover

of this Catalogue, and

Try Them This Year,

The collection of 8 Superb Novelties

For 40 Cts.



ALL SEASONS POLE BEANS.

ing a sport some of the roots are always of solid color, not variegated. It will please every one for family use. Per pkt. 10c, oz. 25c.

ROSE-RIBBED SELF-BLANCHING CELERY.

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



ROSE RIBBED CELERY.

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 the gardeners! It is very early, the heads pyramidal in shape, larger than the Jersey Wakefield, very solid, with few outside leaves. Grows remarkably uniform, the heads even size and shape. Unequaled for market or family garden. Try it this year. Pkt. 10c, oz. 30c, 1/4 lb. \$1.00, lb. \$3.50.



ALL SEASONS POLE BEANS.

We cannot call this a new variety as it has been grown by one family for more than sixty years past, but we will call it a novelty of superior merit, as this is the first year that it has ever been introduced in such a manner that it could become known to the general public. In traveling around among our seed growers our attention was arrested by this superb variety of beans which looks so different from any other sort. At once we made inquiry regarding it and found that they had been growing it for a great many years, and considered it by far the best for cooking green in the pod or as succotash. We have tested it on the table and find that it is superior in flavor and quality, and for general family use it has proved itself the *non plus ultra*. The plant is a strong vigorous grower, clinging well to the poles, and also does excellently well growing with corn. It is from Kentucky where it was kept in the hands of one family for several generations. It has been thoroughly tested now in various parts of the north and south for the past few years having been grown near this city. It begins bearing early in the season—fully as early as the Improved Valentine—and continues until severe frost. It is so early that it has matured well with us when planted the middle of July and yielded twice as much as the Kentucky Wonder. From Ohio, Indiana and Illinois come reports of its superior value. Large showy pods are borne in great clusters. Our artist was crowded for room on the cover of this catalog and therefore illustrated the pod as being quite short, but in reality they are unusually long, averaging six to eight inches. We are sorry that we have only a few bushels of these beans to offer this year, but we want all of our customers to test them. Price per pkt. 10c, 1/2 pt. 25c, pt. 40c.

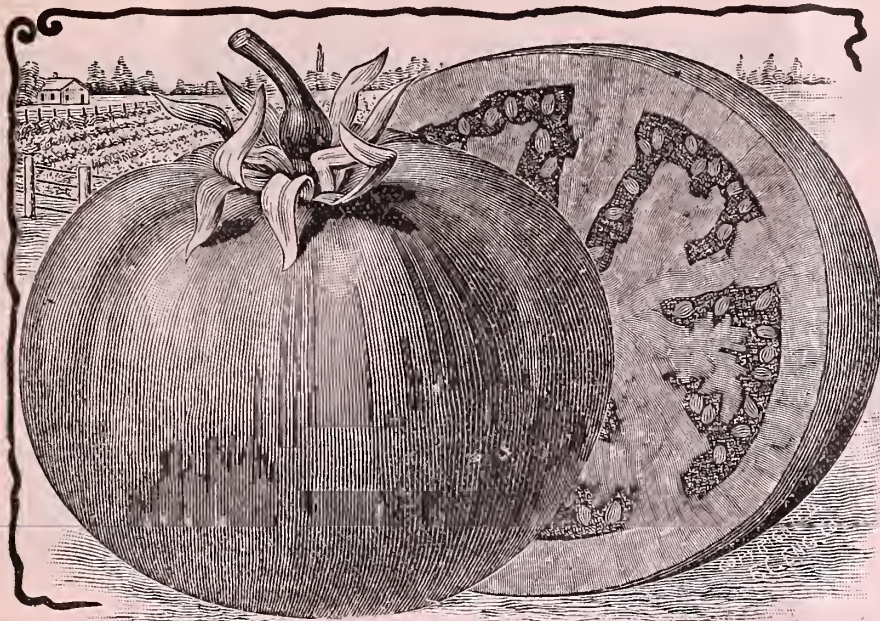
Mrs. M. Brewer, of Polk county, Iowa, says: "The All Seasons Pole Beans have been grown in our family for the last sixty years. During this time we have tried almost all the new sorts of beans offered by seed dealers, but have failed to find any variety to compare with the All Seasons in earliness, yield of superior quality. You certainly are doing your customers a great favor in offering them this, the finest and best of all pole beans, and I hope they may enjoy them in years to come as I and my children have for the last half century."

NEW TRIUMPH RADISH.

A beautiful and valuable new variety of Radish which is a decided novelty, being both unique and valuable. It is of the shape shown in our illustration, round, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early, maturing in three weeks, has very small top, thus adapting it to cultivation in hot-beds. The flesh is white, crisp, tender, and of as good flavor as any radish grown. It be-



NEW TRIUMPH RADISH.

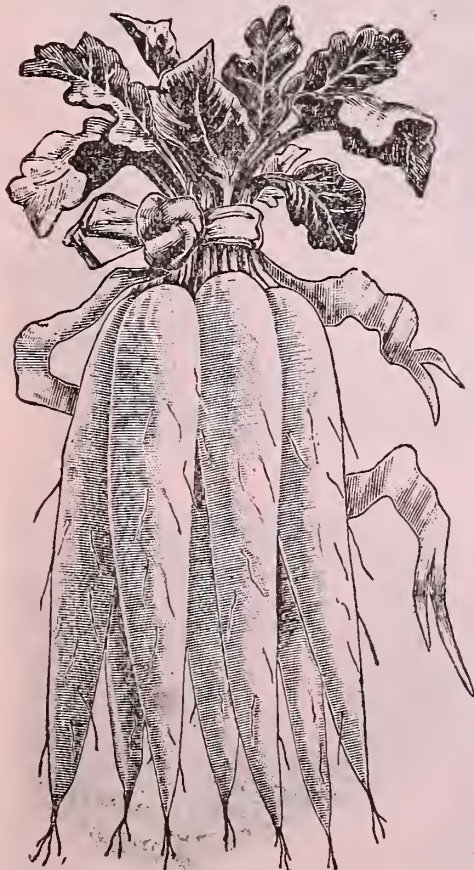


WHITE'S NEW EXCELSIOR TOMATO.

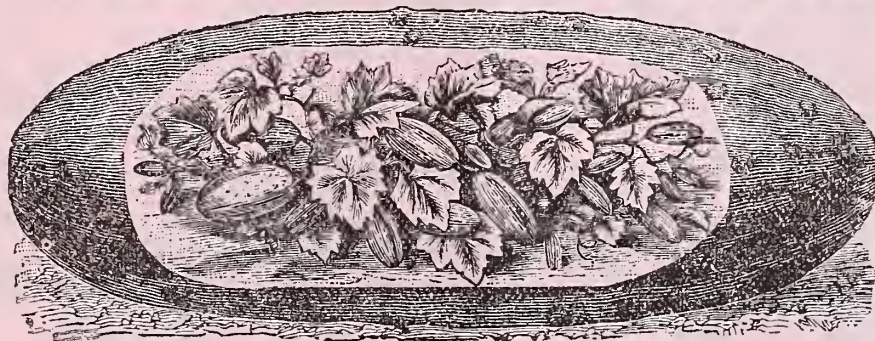
The Excelsior Tomato sent us last spring is medium early, a strong grower, fruits are large, smooth, solid and of fine flavor.—F. B. Van Ornam, Cass Co., Iowa.

GIANT FRINGED WINTER ENDIVE.

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



NEW ICICLE RADISH.



EARLY EXPRESS CUCUMBER.

EARLY ROUND PURPLE EGG PLANT.

The Earliest Variety in Existence.

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

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

NEW ICICLE RADISH.

A magnificent novelty from Germany which receives its name from the almost transparent whiteness of the root which has no comparison among all cultivated radishes. The shape is well shown in our illustration. It is of the best flavor, very crisp and brittle. It vies in earliness with the earliest forcing sorts producing nice roots in 22 days from date of sowing. It is one of the best European novelties which has been introduced for several years and should become very popular. Pkt. 10c

NEW ASTRO CUCUMBER.

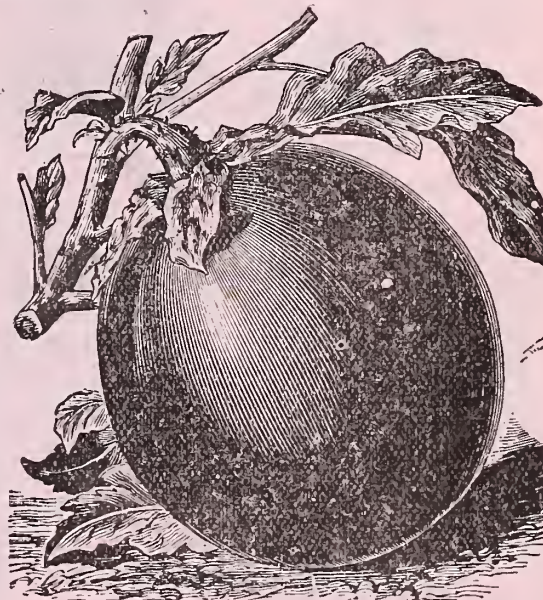
A variety of the highest merit for gardeners, some claiming that they made more money from a crop of these grown early in hotbeds than from any other crop, as they yield a continual daily picking and sell quickly at \$1.00 per doz. Fruit large, perfect shape, 8 to 12 inches long, or with outdoor culture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

WHITE'S NEW EXCELSIOR TOMATO.

Claimed to be the best purple tomato ever introduced and we have really been surprised to see what an exceptionally large crop it yielded. The fruit is of a dark glossy purplish red, very large, handsome, and nearly solid, which is a peculiarity, as most purple sorts, like the Acme, are very full of seed. It is also unlike other purple sorts in that the skin is tough, so that they will bear long shipments and rough handling exceedingly well. This point will be appreciated by all market gardeners. The fruit is larger than the average, smooth, and ripens evenly all over up to the stem. By our illustration the unusual depth of the fruit will be noticed, as they are not flat, like many other sorts. The vine is of dark green color, a vigorous grower, and sets the fruit in clusters, continuing to bear throughout the season. It is a fit companion for the Matchless, which we consider the best crimson variety. From our personal observation and comparison, we believe the New Excelsior will yield as large if not a larger crop than any variety now on the market, and fruit is of superior quality. We sent out about 50,000 packets of this new variety to our customers for trial last year and it received much praise everywhere. Per pkt. 10c, oz. 50c, 1/4 lb. \$1.50.

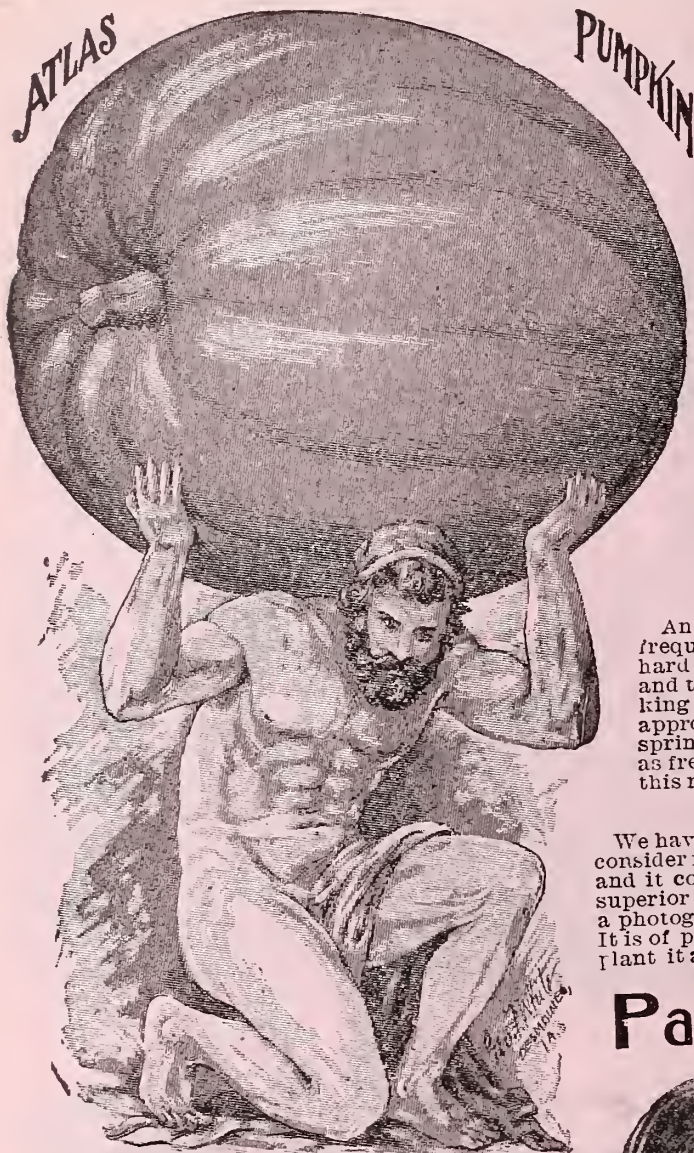
EARLY EXPRESS CUCUMBER.

We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy the well known seed grower and may be called the best novelty in this line which has been brought out for many years, especially for the private garden. It is by all odds the earliest variety in existence, producing fruit several days ahead of Early Siberian, Extra Early Russian and other early sorts, and nearly double the size. Quality is the very best, being free from any rank, strong flavor, and it is as fine a variety for slicing as any later sort. The plant is quite productive, bearing fruit which is quite uniform in size and shape. Color is a lively green, shading to nearly white at the blossom end as they grow older. Our cut shows compact growth of vine and while we have not tried forcing them, still we believe they will do well in the hot-bed or greenhouse. Per pkt. 5c, oz. 20c, 1/4 lb. 60c



EXTRA EARLY ROUND PURPLE EGG PLANT.





NEW ATLAS PUMPKIN.

What do you think of a pumpkin weighing 300 pounds! It is not an impossibility, as that weight has been exceeded in this variety, which is an improvement on the Mammoth Chili. One specimen shown at the World's Fair is said to have weighed 481 pounds, but such a weight is extraordinary. Our seed is the result of years of selection and was saved only from the largest sized perfect shaped specimens which will be sure to produce enormous fruits if properly grown. It is just the thing for exhibition at fairs, etc., and just think of the enormous weight that can be grown from one seed. Flesh is a rich yellow, very thick and of excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. We have only a small supply of the seed this year and can only offer it in packets of ten seeds for 10 cts.

A PRIZE OF \$10.00

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

THE PRIZE FOR LARGEST PUMPKIN IN 1899 WAS AWARDED TO W. R. SHESLER, JASPER CO., IND. DON'T YOU WANT IT THIS YEAR?

RUDOLPH'S FAVORITE LETTUCE.

A very attractive Cabbage Lettuce: large size, crisp and delicate in flavor and very desirable for either winter or summer use, as well as for forcing. Forms a fine, large, solid head, and is remarkable for its fine foliage. The plant is very distinct and attractive; leaves of a beautiful yellow color, is very sweet and tender. The plants are vigorous, do not run to seed until very late, and remains in condition for use as long as any other sort. Pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

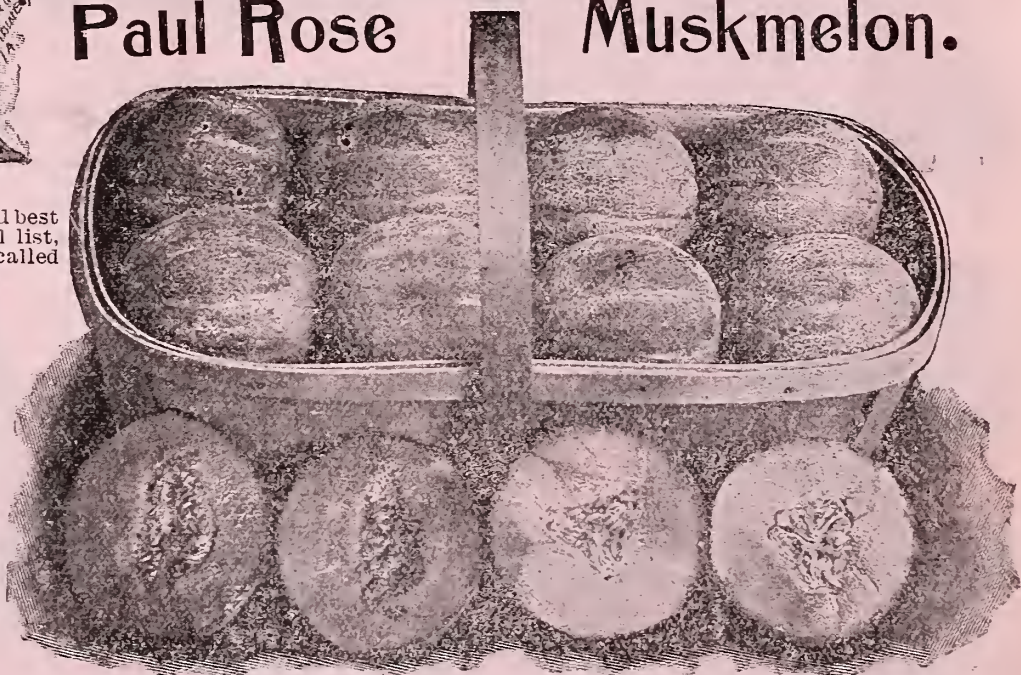
LUXEMBERG HARD HEAD CABBAGE.

An excellent variety, which is in great favor on the Chicago market, and the seed frequently sells there at \$1.00 per ounce or more. It makes a medium size, very hard head of extraordinary weight. Owing to its remarkable keeping properties, and the fact that the head remains as green as when gathered in the fall, it is the king of all cabbage for late spring selling. "Late Keeping" would have been an appropriate name, for in this it occupies the field without a competitor. In late spring sales when cabbages usually bring their highest price, the Luxemburg looks as fresh and green as if just cut from the field. It differs from all other varieties in this respect. Per pkt. 5c, oz. 15c, ¼ lb. 75c, lb. \$2.55.

PAUL ROSE MELON.

We have been greatly pleased with this new variety during the past season, and we consider it one of the finest sorts. It is the result of the cross of the Osage and Netted Gem, and it combines the sweetness and high flavor of the former with the fine netting and superior shipping qualities of the Netted Gem. Our illustration, which was made from a photograph, shows shape of melon, thickness of flesh and smallness of seed cavity. It is of peculiarly sweet, rich, delicious flavor and a long keeper. If you are a gardener, plant it and catch top of market prices. Per pkt. 5c, oz. 15c, ¼ lb. 40c, lb. \$1.25.

Paul Rose Muskmelon.



HAMBURG PARSLEY.

This is not a novelty, but is one of our oldest and best known sorts. It was omitted from our general list, and so we give it a place here. It is sometimes called Turnip-rooted Parsley, but the root is long, resembling a parsnip. This root is used extensively for flavoring soups, etc., is very popular with our German trade, and would be more popular everywhere if better known. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

NEW IDEAL MAMMOTH RHUBARB.

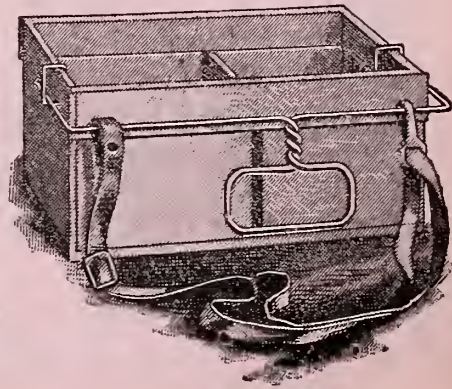
The rhubarb (or pie plant) is a vegetable which it is difficult to improve and it takes many years to fully establish a new variety. About twenty-five years ago Dr. Kennicott, of Illinois, in growing roots from seed found one which was so far superior to and different from all others that he saved it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



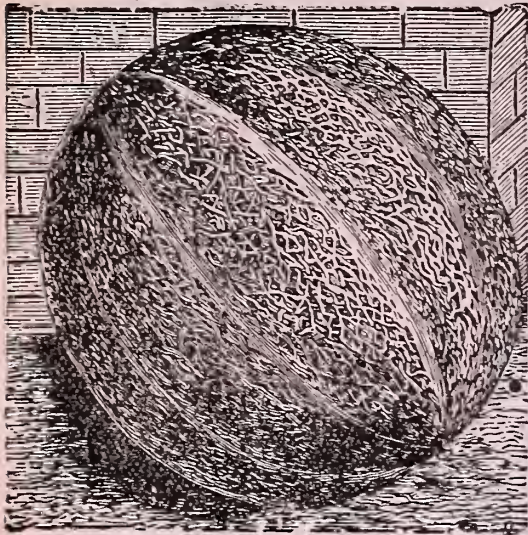
NEW IDEAL MAMMOTH RHUBARB.

WARREN'S BERRY PICKING CRATE.

A new device which has been tested by fruit growers near this city for two years, and has proven of great merit. As will be seen it is a crate holding two berry boxes attached by a belt to the waist. This belt is attached with buckle and snap for adjustment, and the wire supports the crate so that it is always in position. It enables the berry picker to make use of both hands in picking, and it pays for itself in half a day's time. Price 25 cents each, \$2.50 per dozen if shipped by express or freight at purchasers expense, or 50 cts. each by mail postpaid.



BERRY PICKING CRATE.

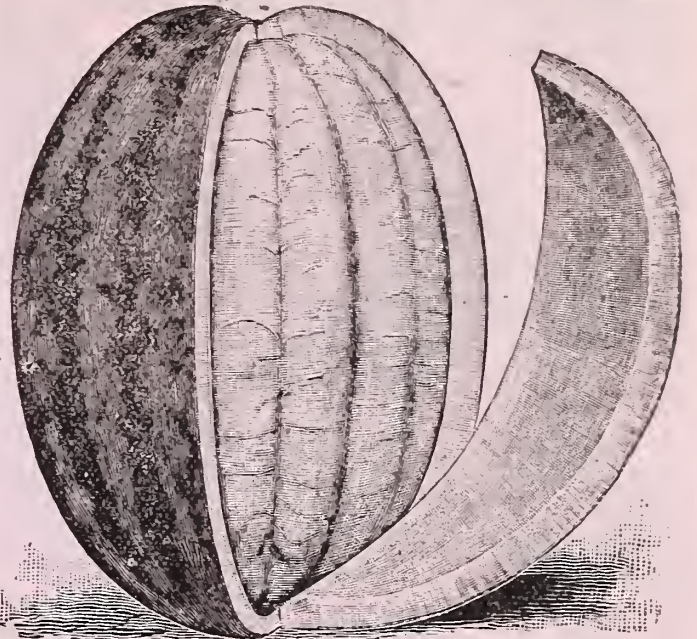


ROCKY FORD MUSK MELON.

During the past four years the melon growers of the United States have been startled by the appearance of this new variety, which has everywhere been in great demand by the high class hotels and restaurants. Hundreds of carloads of them have been shipped from the little town of Rocky Ford, Colorado, to Chicago, St. Louis, New Orleans, Philadelphia, New York, Boston and other cities, driving out the home grown. They have attained a national reputation for high quality. The melons are of just the right size for table use, slightly oval in shape. The flesh is thick, of a light green color and fine juicy luscious flavor. It is very early, and is wonderfully productive.

ROCKY FORD MUSK MELON.

These delicious melons can be grown to perfection anywhere if you have the right kind of seed. Those who send direct to us can fully rely on securing genuine stock, as our seed was grown under our own supervision. Per pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25.



ORANGE WATERMELON.

ORANGE WATERMELON.

Everyone knows what a bother watermelon rinds are on the table, and we are 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 great peculiarity 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 is excellent, juicy and sweet. Seed is scarce this year. Pkt. 10c, oz. 20c.

BLUE GEM WATERMELON.

This remarkable new melon is one of the finest ever brought out, and by some has been called Blue Kolb Gem, but it is of infinitely better quality than the old Kolb Gem. Averages a better size, and with less culls. It is of dark bluish green color, bright red flesh and black seeds. T. H. Johnson, who ships about 250 car loads each season, says he considers it the best shipping melon, as it has a tough rind, keeps longer than any other variety, the quality is superior, and it therefore readily brings \$25.00 a carload more than other sorts. It is the coming melon for shipping, and will please all who try it. Per pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.25.



Our Choice Iowa Seeds are used and endorsed in all parts of the world.

Alaska Heard From.

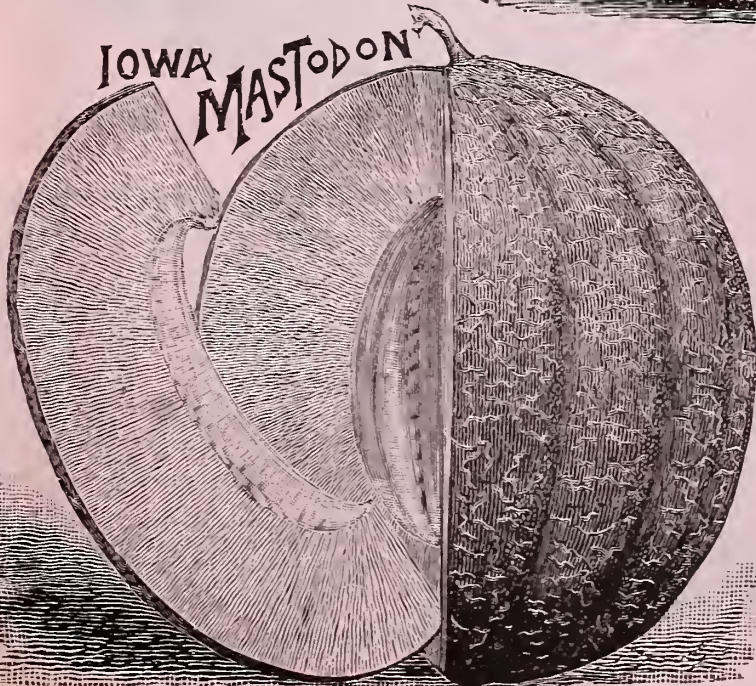
The seeds received from you last spring were all right. Our season was backward but nevertheless we had a fair crop of peas, radishes, turnips, beets and cabbage. Your Iowa seeds seem to be well suited to this northern climate. — O. T. Pingree, Wrangell, Alaska.

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. The vine produces 4 to 8 large, oblong fruits, weighing 20 to 50 pounds 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, and can be used at any time. One vine will produce 200 pounds, or equal to about four bushels of apples. Pkt. 10c

IOWA MASTODON MUSK MELON.

The most extraordinary new variety which has been offered for many years; will create a sensation wherever seen. It is from Japan, and just a few seeds were sent to a friend over in this country. This friend knew of our interest in novelties and brought in specimens of the melon. One weighed 23 1/2 pounds and the other 25 pounds. We at once secured the entire crop, although but a few vines. The melons are of monstrous size and greatly resemble the common Yankee Field pumpkin; so nearly, in fact, as to even deceive us at first sight. The flesh is a clear, creamy white, fully 3 1/2 inches thick and of excellent flavor; it is tender and sweet up to the rind, which is thin and tough. In packets only. Per pkt. 10c.



FORDHOOK FANCY TOMATO.

A decided novelty, and more than a novelty, as it is a most excellent market variety. Fruit of large size, very solid, few seeds, rich ruby red color, delicious flavor. The handsome, smooth fruits are borne in clusters of three and four at every other joint, and as the joints are close together, the plant presents a very crowded appearance. It is so compact and erect in growth that no stakes are required. Pkt. 10c, oz. 50c.

ERFURT ROUND SUGAR CABBAGE.

A novelty from Germany which is entirely distinct in character and color. It ripens at mid-season and makes a very hard, solid, heavy head with short stem. Head is round as a ball, smooth, fine flavor, sweet, superior quality for all purposes. Its great characteristic, however, which distinguishes it from all other sorts is that when pickled it assumes a fine golden color which makes the Sauerkraut better liked, more appetizing and more saleable than any other. It pays to grow and put up sauerkraut and you should have the Erfurt Round Sugar if you want to obtain the highest price. Per pkt. 10c, oz. 30c, 1/4 lb. \$1.00.



EXTRA EARLY CRIMSON GLOBE BEET.

Novelty for 1900.

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

WHITE PRIZEWINNER ONION.

In magnificent shape and enormous size, the White Prizewinner is the exact counterpart of the Mammoth Yellow Prizetaker, which has become so popular in the last few years, differing only in its handsome silvery-white skin. Hundreds of market gardeners and onion growers have tried it, and say that nothing equal to it in the line of white onions has ever before been grown in America. One enthusiastic grower says: "I raised a White Prizewinner measuring 17 inches in circumference, and weighing over four pounds, which astonished my neighbors, and took first prize at the county fair." Per pkt. 10c, oz. 40c, 1/4 lb. \$1.25, 1b. \$4.00.

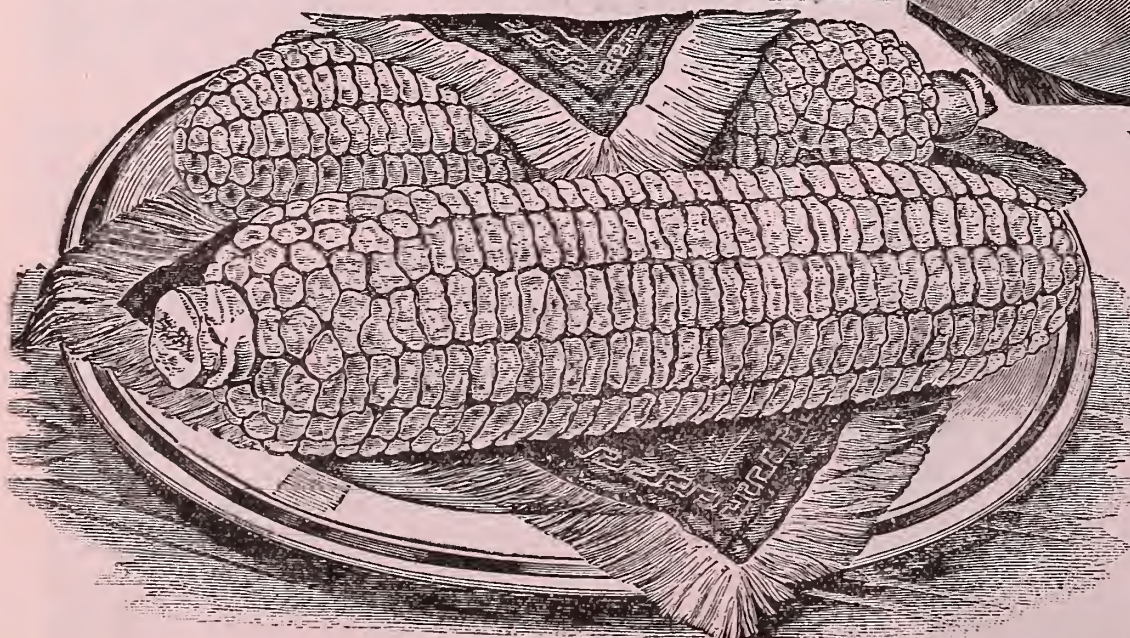
EARLY SUNRISE SWEET CORN.

This splendid new variety which we introduced originated with a market gardener in the western part of this state, and for eight years he has been selecting it to an ideal size and shape, and also the earliest maturing. In this way he has finally obtained this variety, which is distinct from all others. The ears are about six inches long, well filled out at the end, and husk covering so completely and being so tight as to prevent the work of worms, which are so bad in the Cory. The grains are fairly deep and are set in straight rows on a small white cob. Very uniform and handsome. It is quite productive and of as good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find the Early Sunrise a most profitable and satisfactory variety. Per pkt. 5c, 1/2 pt. 15c, qt. 50c, postpaid. By freight, peck \$1.00, bu. \$3.50.

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



WHITE PRIZE WINNER ONION.



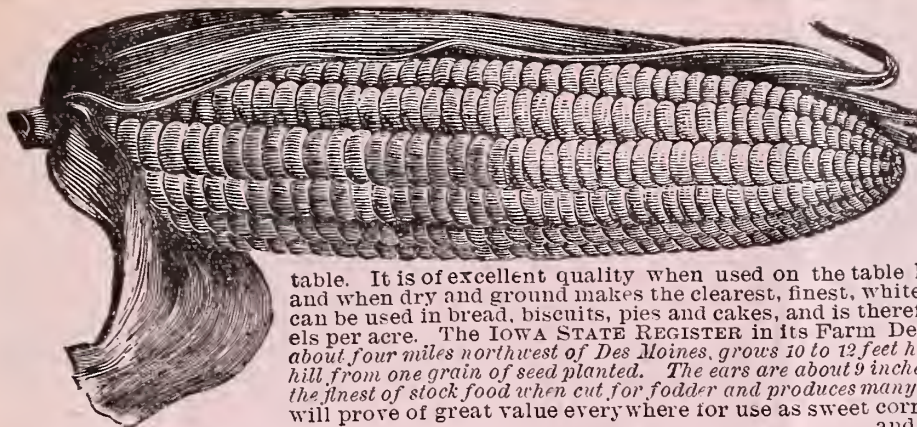
EARLY SUNRISE SWEET CORN.

KIND WORDS FROM OLD FRIENDS

This is my 29th year getting seeds from your firm and they are all O. K. We are back in "Peerless Old Iowa" again after four years in California and eight years in Arkansas.—Bryant Graves, Lenox, Iowa.

I want to say that in my trading with you for the last ten years, my orders have been filled promptly, seeds have been the best quality, shipped in good shape, treatment courteous, and I assure you that it has been appreciated.—E. B. Cooper, Trenton, Mo.

I have bought seeds every year from your company since 1871 when Mr. Fuller started the business at Des Moines, and have always found your seeds good.—W. S. Maxwell, Lawndale, Tex.



NEW CENTURY WONDER CORN.

A most wonderful variety from South America, different in many respects from any other sort. Instead of growing like ordinary corn, one stalk from each kernel planted, it stools out like winter wheat producing ten to twenty stalks from each seed so that it is only necessary to plant one kernel of corn to each hill. There are frequently 3 to 7 ears to the stalk and the ears are quite uniform in size and shape, being 8 to 10 inches long, and of the most clear snowy white color, so that dry, ripe ears appear exactly like young roasting ears of sweet corn just ready for the table. It is of excellent quality when used on the table and when dry and ground makes the clearest, finest, whitest meal you ever saw. It will rise like wheat flour and can be used in bread, biscuits, pies and cakes, and is therefore sometimes called Flour Corn. Yields 10 to 160 bushels per acre. The IOWA STATE REGISTER in its Farm Department says: "This wonderful corn which was grown about four miles northwest of Des Moines, grows 10 to 12 feet high, produces 3 to 7 ears on a stalk and 10 to 20 stalks to the hill from one grain of seed planted. The ears are about 9 inches long and it yielded 75 bushels on half an acre. It makes the finest of stock food when cut for fodder and produces many times as much as ordinary corn." We believe this corn will prove of great value everywhere for use as sweet corn, to grind into meal, to feed hogs, cattle and horses and as a fodder plant. Plant early as it requires the whole season to mature in this latitude.

A COMPARISON.—A crop of wheat is considered a fair yield if it produces ten-fold or ten bushels to each bushel sown. The New Century Wonder is not satisfied with ten-fold, a hundred-fold, a thousand-fold or ten thousand-fold, but it is claimed that in a field you can find hills grown from one kernel which bear 20,000 to 40,000 kernels. Of course the entire crop will not average that, but it is wonderful, just think of it, 40,000 to 1. If we had wheat that was that productive you could afford to pay \$1,000.00 per bushel for the seed and make money from the investment the first year. Seed has been sold here at \$1.00 per pint and is cheap at that when you consider its wonderful character but we want everyone to try it and have made a low price. Don't fail to plant at least a small patch, and thus obtain plenty of seed of your own growing for another year. Per pkt. 10c, 1/4 lb. 20c, 1/2 lb. 50c, 2 1/2 lbs. (enough to plant one acre), \$1.00 postpaid.

BROMUS INERMIS.

This wonderful new grass of comparatively recent introduction in this country has been very highly recommended by the U. S. Agricultural Department and by grass specialists in all parts of the country. It has been thoroughly tested and found to adapt itself to a great variety of soils and climate, but is of special value for the prairies of the west and cold regions of the north, especially for the dry sandy soils of some parts of Nebraska, Kansas, Colorado, Montana and the Dakotas, where it is largely sown with alfalfa. It will produce a wonderful crop of hay on land which is too poor for clover or timothy, and it resists intense cold, and also the most hot, dry weather. Forms a quick and dense sod either on sandy or stiff clay soils and is a permanent grass which does not kill out with any kind of weather. Grows 18 inches to 36 inches in height and can be cut two or three times per year and is equally desirable as a pasture grass. Has given good results as far south as central Texas. It is very nutritious and greatly liked by all kinds of stock both for hay and pasture. Every farmer and stock raiser should give it a trial. Seed should be sown early in spring using 20 to 25 lbs. per acre if sown alone or if sown with Alfalfa use 12 lbs. with 8 lbs. Alfalfa. Price for best grade of seed, per lb. 30c, 3 lbs. 75c, postpaid. By freight per bushel (14 lbs.) \$2.25, 50 lbs. \$8.00; 100 lbs. \$15.00.



Nov. 27, 1899.—I consider the Bromus Inermis a profitable variety for growing in this section of the country and expect to plant more of it another year.—H. Schnackenberg, Thayer Co., Neb.

My brother sowed some of your new grass, Bromus Inermis in the spring of 1898 with several other varieties of grass seed. All others killed out last winter except the Bromus. It has proved to be earlier than Blue Grass and makes fine hay and pasture. He has the cattle on it now (Dec. 2) and it is as green as in the summer.—John Bade, Colfax Co., Neb.

HAYNES' PEDIGREE WHEAT.

We cannot too highly recommend this grand new variety as being the best kind of spring wheat in existence and are sure it will please everyone who tries it. It was originated by Mr. L. H. Haynes, who has spent eight years in selecting and improving it in his garden, each year choosing all the largest and best heads and discarding all the balance. This continued selection has had the effect of improving it in vigor, size of head and quality. For the past few years he has been growing it as a farm crop, taking the greatest pains each season to keep it strictly pure and by going through the fields and removing everything that was not of ideal quality, he now has a variety which is sure to please all wheat growers. The heads are very large and well filled out, the kernel is hard, the plant stools greatly and, under ordinarily favorable conditions, will yield 40 to 50 bushels per acre. It is an improvement on the old Velvet Chaff or Blue Stem wheat, but fully five days earlier in maturing. We most highly recommend this variety to customers everywhere in the wheat growing belt, and are sure that it will greatly please them in every respect. Per pk. 65c, bushel \$2.00, 2 bushels or more at \$1.85.

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

Haynes' Pedigree Wheat yielded a crop of 835 bushels on my place last year making an average of 41 bushels per acre, and tested 69 pounds from the machine, No. 1 hard. St. Paul inspectors say that it is as fine a milling wheat as they ever saw.—L. D. Hause, Ramsey Co., Minn.

NEW ERA COW PEAS.

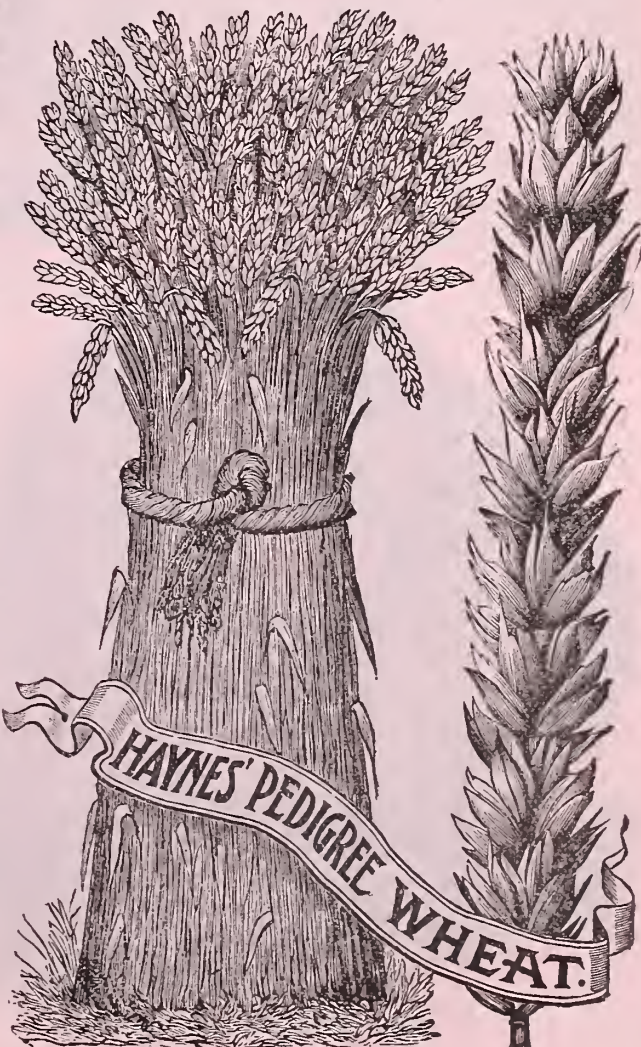
A novelty of great merit in that it is the earliest variety of Cow Peas in existence and therefore most decidedly the best for growing in the northern states. Throughout the south, cow peas are considered one of their most profitable crops, as they yield immensely and are largely used as a green summer feed and also for planting in corn and other crops and plowing 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 which 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. They are a great soil invigorator, as, like clover, they take most of their subsistence from the air. Per large pkt. 5c, lb. 30c. 3 lbs. for 80c, postpaid. By freight, peck \$1 25, bushel \$3.75.

Your New Era Cow Peas made as fine a crop as I ever saw. The cattle were fond of them both as green fodder and dry and would leave corn when they could get the Cow Peas. They were very early, yielded an immense crop and you cannot say too much about them.—J. E. Broune, Polk Co., Iowa.

TRY SPITZ.

See description on page 35.

Emil Shuman, of Sherman Co., Neb., says: "I tested your new grain called Spitz this year, and though we had a very dry summer, it did well. It stoolled out heavily; each kernel produced 28 to 45 sprouts and every sprout had a nice head averaging three inches in length. The straw was very stiff, and I do not think it will lodge even on rich soil and it is a heavy yielder."





AMERICAN IMPROVED HOLLYHOCK.

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

GIANT SCARLET GROUND CHERRY.

OR CHINESE LANTERN PLANT.

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



GIANT SCARLET GROUND CHERRY.

NEW DOUBLE CALLIOPSIS.

Everyone who knows the old fashioned single Calliopsis or Correopsis loves it, as it is one of the most showy flowers for bedding, and the colors are so brilliant that the popular name, "Bright Eyes," has been given them. It has for many years been a great favorite with thousands of flower lovers. What will you say now to having a new double Calliopsis? We know that you will be delighted with it as it is one of the most attractive and beautiful flowers in existence. They grow very quickly from seed, blooming in a few weeks after seed is sown, and if flowers are removed as they begin to fade the plants will be loaded with bloom throughout the summer and fall, and until severe freezing weather. Our illustration shows a plant covered with flowers, and also a separate flower. In color it is brightest golden yellow, almost a dazzling hue, distinctly marked, striped and blotched, with rich dark brown or maroon, having a very velvety appearance. It is not only a showy bedding plant but the cut flowers are of great value for bouquets, retaining their freshness for a long time after cutting. In some of the flowers the petals are smooth and lie flat, some are cup shaped, and others are beautifully fringed. It is of the easiest culture, as the seeds may be sown at any time in the spring where plants are to grow or start in a seed bed, and transplant when large enough, setting the plants 6 to 8 inches apart, to make a handsome row. We most highly recommend it to our customers, knowing that it will please everyone. Per pkt. 10c.

CHAMELEON CHRYSANTHEMUM.

This was the most popular novelty throughout Europe last year, and one which is sure to please flower lovers. It is a new and entirely distinct type of this showy garden annual, producing very large single flowers of changeable colors. When they first open the black purple center is surrounded with a yellow ring, which is again zoned with crimson, while the outer margin of the flower is of a coppery bronze color. In a few days the copper shade gradually changes to yellow. As the plants continuously produce many flowers, and as they are in all stages of maturity the color effect is greatly varied and pleasingly contrasted, very effective for cutting, as well as showy for growing in the garden. Per pkt. 10c.



CHAMELEON CHRYSANTHEMUM.

GOOD VENTURE GERANIUM.

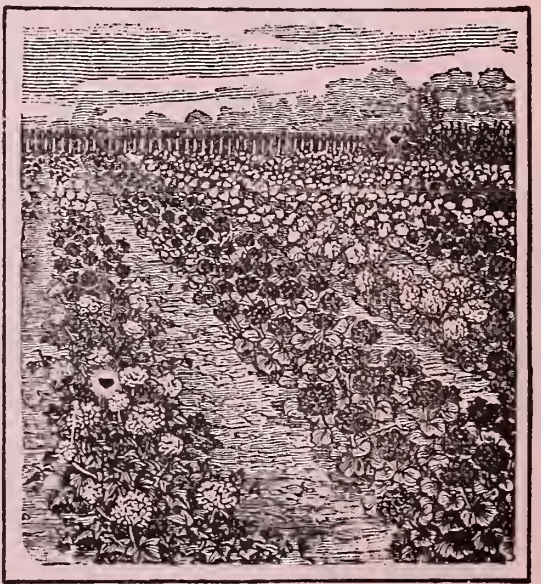
Yes, you can grow good Geraniums from seed, and as they sport the gardener is frequently rewarded by charming new varieties, and may obtain a novelty of much value, especially if this new strain of seed is used. When visiting the fields of a geranium specialist in California this season we noticed one lot of several hundred plants which were particularly fine. The grower was hybridizing these for seed, and we made arrangements at once for the stock, paying more than a dozen times what ordinarily good seed would cost us. We wanted something fine and knew that this could not fail to please our customers. The plants from which seed was saved were the finest varieties from all parts of the world, including some particularly choice novelties as yet unnamed. They are GIANT FLOWERING, the florets being round and of most perfect form and borne in splendid trusses, some of them forming balls of such immense size that we fear to state size lest our customers will think we are exaggerating. The colors are of all shades of crimson, scarlet, salmon, pink rose, snowy white and all the new auriole types with beautiful veinings, shadings, edgings and clear eyes. If seed is sown early they will make fine flowering plants the first summer, and the second they show their true quality, and greatly superior types. Start seed in the hot-bed or shallow boxes of rich soil in a warm, sunny window, covering only one-eighth inch in depth. As soon as large enough, transplant to small pots until the weather is quite warm, when they may be planted out in the flower bed for summer blooming. They will come into bloom more quickly if planted in light, sandy soil. Per pkt. 15c.

The seeds we purchased of you last year gave splendid satisfaction.—Mrs. C. B. McFall, Andover, Mo.

Was very much pleased with the seed I got from you last year, and want to try them again.—Mrs. M. A. Lampson, Goodell, Ia.

25 Cts.
Worth of
Seeds
FREE.

That is we give you \$1.25 worth of seeds in packets and ounces for only \$1.00. This special offer does not apply to seeds in bulk or to any other goods.



OUR FIELD OF GOOD VENTURE GERANIUMS.



DOUBLE SWEET PEAS.

MADAM GUNTER'S HYBRIDS NASTURTIUMS.

For richness and variety of colors these new hybrids have no equals among the nasturtiums. The foliage is mostly dark, contrasts very effectively with the flowers. They are climbers and are free continuous bloomers. Color of flowers is most gorgeous, ranging from white through all the shades of pink, red, carmine, crimson, salmon, golden yellow to the deepest brown and maroon—nearly black, all striped, shaded and blotched in an indescribable manner. Per pkt. 5c, oz. 15c.

DOUBLE SWEET PEAS.

By years of hybridization and selection the new double flowered sweet peas have been produced, and they are not only beautiful but the flower is quite lasting. About half of the plants from this seed produce flowers which are double and semi-double. Our mixture contains all the best varieties yet brought out, white, rose, crimson, maroon, lavender, striped, etc. Be sure to try them. Per pkt. 5c, oz. 15c, lb. 40c.

BLUE SOLANUM.

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

THE IRISH SHAMROCK.

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

BLUE BELLS.

Who has not heard of the "Bonnie Blue Bells of Scotland," which have been renowned in poetry and song for centuries past? The flowers are bell-shaped, and of a bright, sky-blue color, from four to ten flowers in a cluster. Might almost be called a Blue Lily of the Valley. It is a perfectly hardy perennial. Pkt. 10c. plants 15c each.

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. They are easily grown and bloom in three or four months from the time of sowing seed. For persons who have no pond, half a barrel sunk in the ground is a nice receptacle to grow them in. We send full directions for starting seeds and growing plants with each packet. We can furnish either the red, white or blue varieties at 10c per pkt. One packet each of the three colors for 25c.

ROCKY MOUNTAIN FLOWERS.

Any one traveling through the Rockies cannot but be impressed with the great profusion of beautiful wild flowers, growing frequently where there seems to be scarcely sufficient soil to hold the roots. Last summer we spent some time at about the 10,000 foot level, collecting many of the beautiful specimens and made arrangements to have a flower lover who resides there devote considerable time to gathering seed of the best sorts for us at the proper season. We find that many of the varieties will grow well in this state, and we are sure our customers will want to test them. Our mixture contains a great many varieties. Per pkt. 10c.

WATER LILIES.

order, but I found it just as represented by you.—*Viola W. Owen, Hastings, Minn.*

We think your seeds are splendid.—*Mrs. Flora Cottel, Jerry, New York.*

EARLY DAWN MIXED COSMOS.

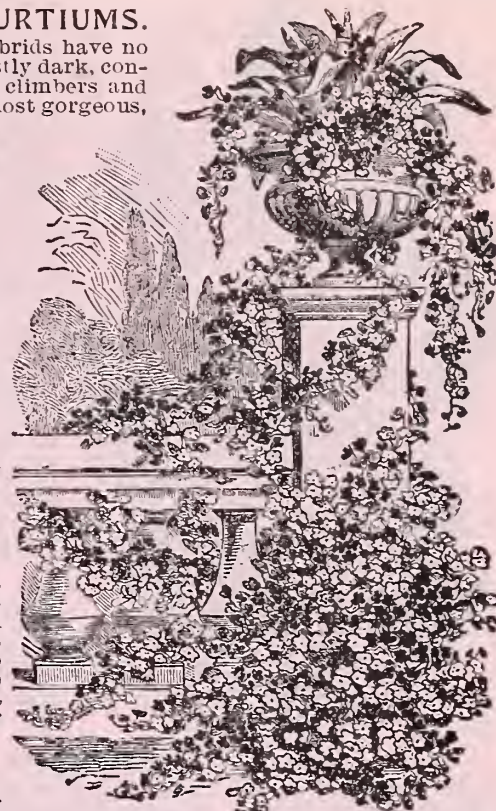
Introduced by us four years ago, and it jumped at once into popularity on account of its extreme earliness, coming into bloom in about two months from time of sowing and continuing until destroyed by frost. The flowers are a little smaller than the late kind. The plants have fine, feathery, light green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

CHINESE HORN NUTS.

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



CHINESE HORN NUT.



MADAM GUNTER'S HYBRIDS NASTURTIUMS.

ALLEGHENY FRINGED HOLLYHOCK.

This grand new hollyhock is an entire break from the old style garden favorite. The flowers are from four to six inches in diameter, ranging from semi-double to double, and the mammoth flowers are wonderfully formed, and so finely fringed and curled that they look as if made from the finest China silk, and compared with the old sorts they have the look of a flower from Fairyland. The color varies from palest shell pink to ruby red. In free and persistent flowering it differs from the old style, coming into bloom in June and lasting until frost. Every bud, clear to the top of the plant, develops into a flower, and as the flowers mature they drop from the stem, so that plants are always objects of beauty. Pkt. 10c.

The seeds I got of you last year were the best I ever had. *Jas. Kearney, Dunbar, Pa.*

I was very much pleased with the seed I bought of you last year. It was my first



EARLY DAWN MIXED COSMOS.

NEW IMPERIAL JAPANESE MORNING GLORIES.

Remarkable for the large size and exquisite new colors of the flowers, with magnificent foliage, often beautifully blotched. Of strong, robust growth. The vines grow quickly to a height of 12 to 20 feet. The flowers are of gigantic size, sometimes measuring four to five inches across. The colors of the flowers shadings and markings are really wonders of nature, of such incomparable beauty that descriptions are inadequate. Some flowers are of deep, rich velvety tones, others more 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 ultra marine and indigo and blackish purple; from snow white to cream and silvery gray; some are striped, starred and spotted. Pinch back the vines so as to let them grow only four to six feet high, and they will produce more flowers. Choicest double and single mixed. Pkt. 10c.



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AMERICAN BANNER LARKSPUR.

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



AMERICAN BANNER LARKSPUR.

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

BUTTERFLY FLOWER.

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

The Aster seed I got from you last year was fine. Every seed came up, and even though the season was poor they made an excellent showing.—Mellis S. French East Templeton, Mass.

I have bought seeds from you for the past two years and I am sure they are the best I ever had.—Jas. Updike Hightstown, N. J.



BUTTERFLY FLOWER.



LATANIA BORBONICA PALM.

plants for house culture in cool climates, forming a fine specimen, standing ill usage remarkably well. Per pkt. of 10 seeds 10c.

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

WASHINGTONIA FILIFERA.—This is one of the best window palms needing no petting to succeed. Stands dust, dry air and lack of sunshine, and is very ornamental, with its elegant fan-shaped leaves of a rich, dark, leathery green. Picturesquely fringed with long, thread-like filaments along the segments of the leaves. The plant is a compact grower, well adapted to pot culture, succeeding in any situation, and with any treatment that will keep a geranium alive. Per pkt. of 12 seeds 10c.

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

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



ELEGANT PALMS.

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

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

CHAMEROPS EXCELSA.—From southern China and Japan. Very hardy. One of the very best

A GRAND OFFER.

One packet each of the above six varieties for 40c. We furnish plants of the *Latania Palm* at 25c each, postpaid. Larger plants \$1.00 to \$5.00 each, by express, not prepaid.

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, frequently producing flower-heads almost white, which are more than twice the size of the old varieties, many of the heads measuring (when fully expanded) 10 to 12 inches across. The fragrance is simply lovely. Easily grown from seed, which should be started early in the house, and from a single packet a large number of strong, healthy plants are produced, which would cost 10 to 25 cents each at the florist's. This superb new variety is a strong grower, producing a constant succession of immense heads of flowers. Per packet of 100 seeds 10 cents.



NEW MAMMOTH FLOWERING HELIOTROPE

CURIOUS CACTI.

Almost everyone who keeps house plants likes to have a few nice Cactus plants with them. We were never so impressed with the beauty and great variety of these curious plants and delicately lovely flowers as when traveling in the southern and western states last summer. We have therefore arranged for seed collected from the choicest varieties in Arizona, New Mexico, Texas, Colorado, California and Old Mexico as well as some foreign varieties and mixed them together in this assortment. They are easily grown from seed and there is much pleasure in watching their development. The seed should be started in a pot or box of clean sand. Water well after sowing and cover with a pane of glass. They will then require but little water afterward. Per pkt. 10c.

SEMPLER'S MIXED ASTERS.

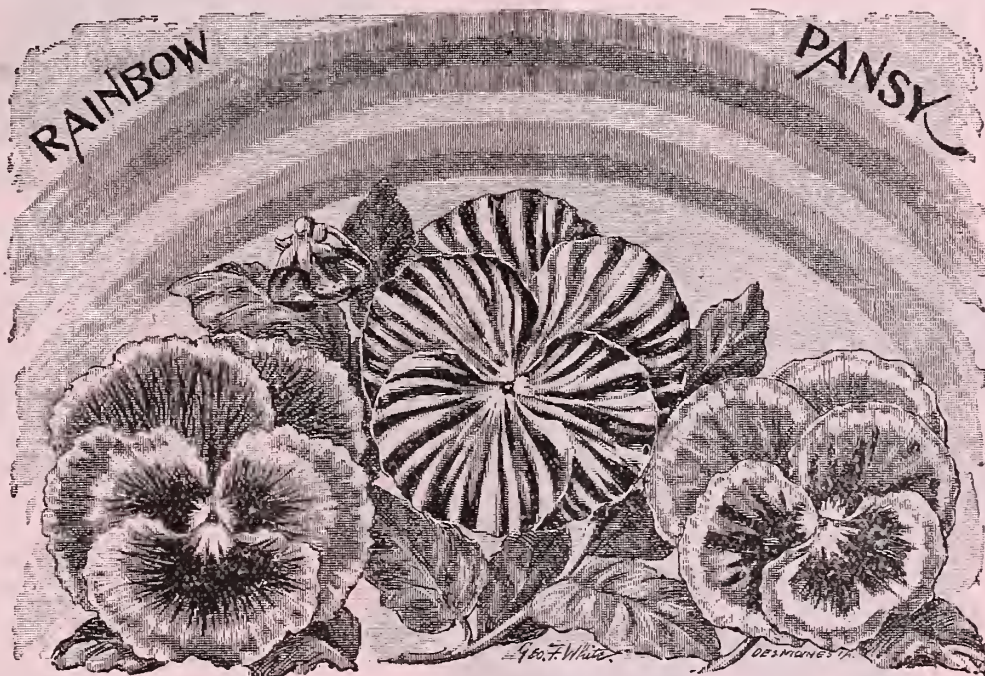
A grand late flowering variety which begin blooming about the last of August and continue until severe cold weather. Plants are strong vigorous growers 18 to 24 inches high of branching habit and profuse bloomers. The flowers are very large, four inches across, very double and borne on long stems. They are of pure clear colors white, purple, lavender, pink and the various shades of red. Pkt. 5c.

ORIENTAL BEAUTIES DIANTHUS.

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

NEW RAINBOW PANSIES.

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



I sent for a package of your Rainbow Pansy seed last spring, and they did much better than pansy seed purchased from other places. — Ethel Stevens, Calaway, Neb.

Your Rainbow Pansy was very satisfactory. They grew more vigorously than my other plants, and are fine. — John Durkee, Blair, Nebraska.

I have always been pleased with your seeds. — Ella M. Lewis, Milford, Neb.

I was pleased with the seeds bought of you last year, and you will find my order longer this year. — Chas. A. Coskey, Saunemin, Ills.

I received the seeds which I ordered from you in good order. — Chas. F. Laatz, Marseilles, Ills.

The seeds we received from the Iowa Seed Co. have given perfect satisfaction, were sent promptly, and O. K. — R. B. Henry, Flora, Ills.

BEST IN NEW ZEALAND.

Your seeds have given entire satisfaction here, and many of my neighbors are ordering with me this year. They always germinate well and prove first class. — Ernest C. Moon, Te Uku, Raglan, Auckland, New Zealand.

FAIRY ROSES.

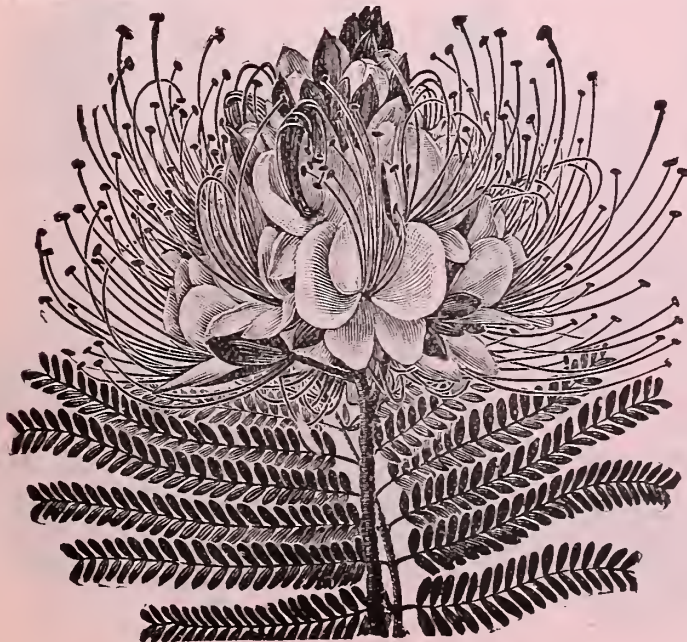
These little beauties are very easily grown from seed. The roses are only about an inch across, usually very double, but occasionally semi-double and seldom single; they are borne in large clusters and are of many colors. What is most remarkable these Fairy roses grow only 10 to 15 inches high and commence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



FAIRY ROSES.

BIRD OF PARADISE FLOWER.

This plant properly known as *Poinciana Gillesi* may be considered one of the wonders of nature as it is of such curious and strange form. It is a rare plant, and we presume but few of our customers have ever seen it in bloom. The flowers are large about 2½ inches in diameter and are produced in very large trusses. They are of a rich golden yellow color, but the most attractive part is the large pistils which are of beautiful bright crimson color and spread out in fan-shape. The foliage is highly decorative, similar to a very delicate Acacia. If the seed is started early, it will produce a profusion of blooms the first year. If you love the beautiful and are interested in the rare and curious works of nature, try the Bird of Paradise flower this year. Per pkt. of 10 seeds 10c.



BIRD OF PARADISE FLOWER.

Flower Plant Novelties.

This year we offer many valuable novelties in flower plants which have been collected from various parts of the world and thoroughly tested in our own greenhouses and on our trial grounds. Descriptions were carefully made from nature and we are sure all will please our customers. In our general list, on pages 79 to 92, will also be found many valuable novelties in this line. Plant orders should amount to at least 25 cents. You may select plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00, postpaid.

BEAUTIFUL CAMELIA VINE.

Our illustration gives but a faint idea of the great beauty of this elegant climbing plant from China, and our artist in his colored plate could not do it justice. The Camelia which for many years was even more popular than the rose for the most elegant cut flower work in large cities, is a plant so difficult to grow and flower satisfactorily that the florists have most of them discontinued their culture, although when obtainable they are still, and always will be, considered the ideal flower for noble shape and rich coloring. In the Camelia Vine (*Colystegia pubescens*) we have a flower of true camelia shape and size, nearly three inches in diameter, perfectly double and of a most beautiful delicate rose color. It is of the easiest culture, growing well in any soil or location but it appreciates and amply repays good treatment. The vine is of rapid growth quickly covering a trellis or porch and growing to a height of 15 to 20 feet. For best results the vines should be set 12 to 18 inches apart around the porch. It is perfectly hardy, the roots living over winter in the ground and have withstood a temperature of 30 degrees below zero without protection. Leaves are lance shaped, of dark green color, and lap over each other like shingles so as to soon form a dense screen. Very few people can succeed in growing the old fashioned Camelias without a hothouse, but no one can fail with the Camelia Vine. It is sure to grow, sure to bloom continuously from May to October, and sure to please everyone. The vines are almost literally covered with the beautiful flowers. Instead of asking fifty cents to one dollar each as most florists would for the plants, we have propagated an immense number of them so as to supply all our customers at such a low price that they could afford to buy them by the dozen and enjoy them fully the first year. Price only 15c each, \$1.50 per doz., 2 doz. for \$2.50.

BLUE BEAUTY GERANIUM.

A new color. Great novelty of 1899.

Each year we import many European novelties for testing on our trial grounds and among others we received a number of new geraniums some of which were unnamed. We were surprised to find among the number a new color heretofore unknown in geraniums, being of a most beautiful violet or purplish crimson with a blue sheen over the surface. The flower is double and the three upper outside petals have a spot of clear vermillion near the base which makes flower more brilliant. Out of one hundred varieties of geraniums on our place this year there was none which approached it in color. It is a vigorous grower and free bloomer even during the driest summer weather. Each 25c.

ESTHER GERANIUM.

A new fancy foliage geranium of compact dwarf growth. Leaves bright green with dark zone. Flower scarlet. Each 15c.



BLACK CALLA.



BLUE BEAUTY GERANIUM.

BLACK CALLA. (Solomon's Lily.)

This is the wonderful Black Lily of Palestine which was for many years supposed to be a myth, but has recently been found and propagated largely so that it can now be sold at a wonderfully low price. The flowers are large, sometimes a foot long and of rich velvety black, very striking and ornamental in appearance. The bulbs are from near Jerusalem, making each one a souvenir of the Holy Land. Each 20c.

VARIEGATED SWEET ALYSSUM.

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



THE BEAUTIFUL CAMELIA VINE.

NEW JUBILEE ROSE.

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

RUSSELLIA JUNCEA.

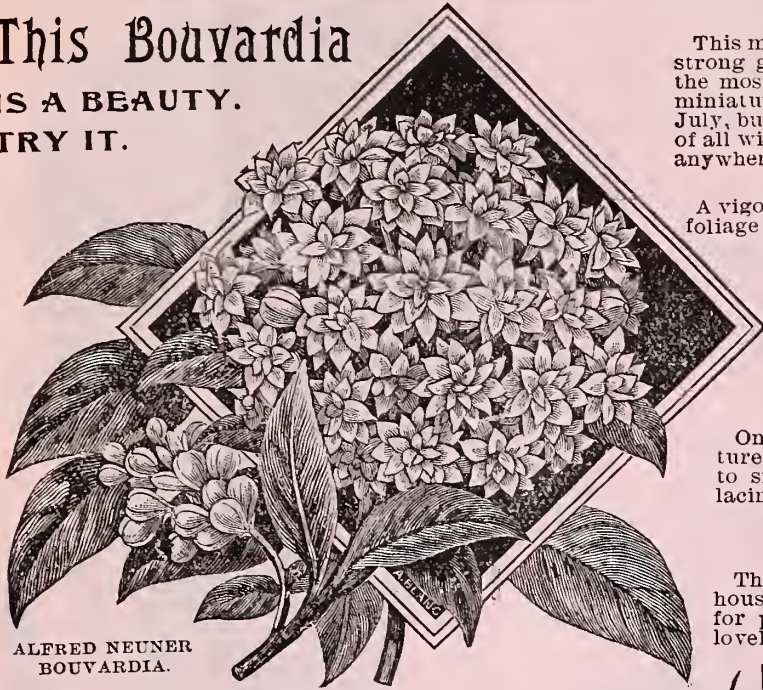
A rare plant, suitable either for garden or pot culture, and requiring the same treatment as a geranium. It produces numerous long, wiry stems and upon these stems and branches the flowers are borne, which are long, trumpet-shaped, brilliant scarlet in color, and borne in wonderful profusion during most of the year. Each 15c.



VARIEGATED SWEET ALYSSUM.

This Bouvardia

IS A BEAUTY.
TRY IT.



ALFRED NEUNER
BOUARDIA.

EGYPTIAN PAPYRUS

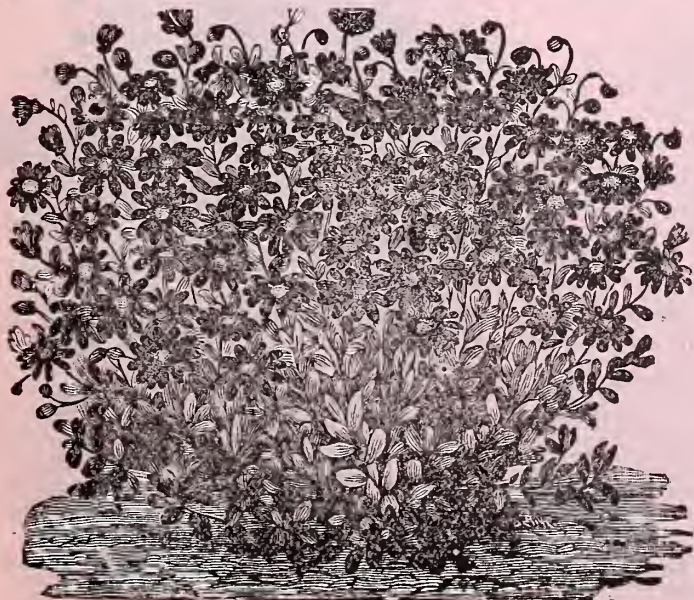
This fine plant which is frequently called the "Egyptian Paper Plant," is decidedly the most elegant, graceful and stately of all the decorative reeds. It is an aquatic in its native country, growing in low swampy ground or shallow water, but it does well with ordinary culture, and we have seen magnificent plants growing in dry soil, and growing luxuriantly during the most severe drouth. It somewhat resembles the Cyperus or Umbrella Palm, but the stems are crowned with tufts of fine grass-like foliage which droops gracefully around the stem. Our customers will be pleased with it especially for growing in large pots or tubs as it gives an effect not produced by any other plant. Each 15c, 4 for 50c.

FRINGED QUEEN PERENNIAL PHLOX.

A grand novelty, perfectly hardy; heads of bloom are very large and pure snow white; florets are of large size finely toothed or fringed. Each 25c, doz. \$2.25.

NEW PARIS DAISY.

A French improvement on the old White Marguerite which has for years been one of the most popular flowers in eastern cities for ladies' wear as corsage bouquets, etc. This new variety is of much larger size and if well grown will produce ten times as many flowers, which are pure white, showing a yellow disc. They are quite airy and graceful for decorating and make one of the finest house plants imaginable, as well as for the open ground. Blooms continuously if flowers are cut. Each 10c, 3 for 25c.



BLUE MARGUERITE DAISY

ALFRED NEUNER BOUARDIA.

This magnificent and showy plant is the ideal Bouvardia. It is a stout, erect, strong grower, making charming shaped plants, producing great clusters of the most beautiful, waxy, double pure white flowers, resembling bunches of miniature 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 20c.

BOCCONIA CORDATA.

A vigorous growing plant, adapted to any soil, with large, deeply cut showy foliage of a peculiar glaucous hue. Plant grows 6 to 8 feet high, and is covered with beautiful long plumes of white flowers. Of tropical appearance and desirable for specimen plants on lawn. Each 20c.

CAREX JAPONICA.

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

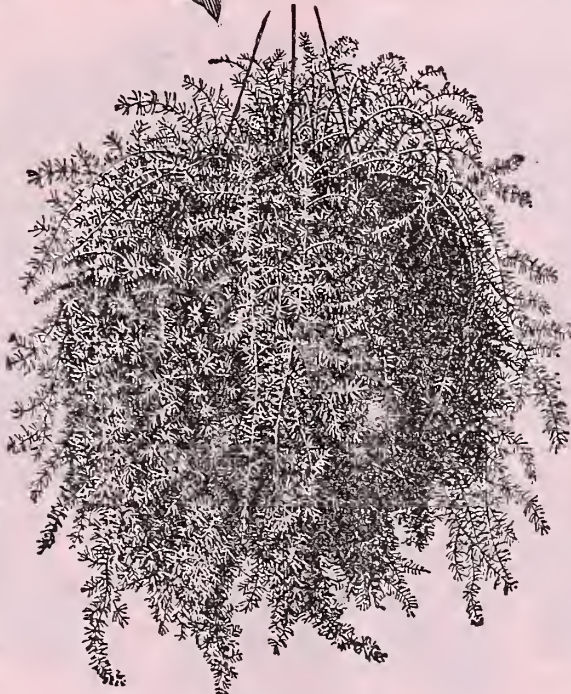
BOSTON FERN.

One of the most beautiful and useful of house plants. It is of easy culture and its sword-like fronds, on large specimens, attain a length of five to six feet, produced in a bewildering mass, arching, curving, and interlacing in every conceivable direction. Each 15c.

ASPARAGUS SPRENGERI.

Also called Emerald Feather and Abyssinian Parlor Fern.

This is considered one of the handsomest and most valuable plants for house and conservatory culture ever introduced. It is especially desirable for pots, vases, baskets, etc.; covering all with its beautiful sprays of lovely green, feathery foliage, which can be cut freely, and are very useful for bouquets, wreaths, and all kinds of floral decoration. It makes a charming ornamental plant for the window or conservatory in winter, and is equally as valuable for vases, baskets and porch boxes in summer. It is a strong, vigorous plant, very easily grown, requires but little care, bears cutting well, and keeps on growing fresh and green the whole year. Flowers white, and delicately scented, but its chief beauty is in its lovely, drooping, feathery green sprays; greatly admired. Each 15c.



ASPARAGUS SPRENGERI.

OUR PLANTS ALWAYS PLEASE.
Plants just received and they were well rooted and very nice.—Mrs. Chas. D. De Witt, Quarryville, N. Y.

Plants received in good order. Your firm is the only plant house I have dealt with that sends us just what we order instead of substituting.—Mrs. Chas. C. Dean, Zola, Mo.

Plants received from you in fine condition and I never saw any grow more vigorously than they are doing.—Miss Mary Kinsella, Garryowen, Ia.

The plants and bulbs arrived in fine condition. Many thanks for the extras and promptness.—Mrs. Albert M. Louther, Norma, Col.

Received plants in fine condition and am pleased with the extras sent. Mrs. Sibson, St. Paul, Minn.

The roses received from you are very nice.—J. G. Lewis, Agency, Mo.

Plants received several days since and they are looking nice. Mrs. V. D. Sluis, Pella, Ia.

YELLOW MARGUERITE DAISY.

Similar to the Paris Daisy, but of a very pretty canary yellow color. This is a charming flower for corsage bouquets and makes a fine effect growing in beds. Blooms freely and continuously if flowers are cut frequently. Each 10c.

BLUE MARGUERITE DAISY.

(*Agathaea Coelestis*.)

A strikingly beautiful flowering plant that should be found in every flower garden. The plants grow about 1½ feet high, of branching habit, producing an abundance of clear sky blue flowers, the shape of which is accurately shown in the illustration herewith. It makes a very pretty object for summer decoration in the garden, and is equally desirable for the house in the winter, grown in pots or window boxes. Plants are fairly loaded with the flowers which are very desirable for cutting. Each 10c.

UNIQUE LILY OF THE VALLEY.

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



UNIQUE LILY OF THE VALLEY.

ALASKA CARNATION.

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

DOUBLE NEW LIFE GERANIUM.

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

OLD GLORY GERANIUM.

This grand novelty which we introduced last year is a seedling from a careful cross made by a florist in the employ of the U. S. government and had never been named until we purchased the stock through the mediation of a friend of his. In the Government floral gardens at Washington there were many rare plants, but none attracted our attention as much as a beautiful new variety of geranium which occupied a large bed near the Washington Monument. When seen at a distance it was a most beautiful sight, being an apparently solid mass of clear, bright beautiful pink. A closer examination showed it to be a variety of very sturdy, vigorous, branching growth, having plain green foliage. The plant was fairly loaded with numerous immense trusses of magnificent large, semi-double flowers which covered it so as to almost hide the foliage. The color of flowers is a clear, bright rosy pink, the upper petals are spotted with pure white which adds to the brilliancy of the pink. The truss is frequently six inches in diameter and the florets of unusually large size. During the hottest, driest weather, at a time when every other variety of Geranium was withering under the southern sun, "Old Glory," for this was the specially appropriate name we gave it, was as fresh and sweet as if just watered by a summer shower. Each 15c.

SANTOLINA.

A very pretty, dwarf growing little evergreen shrub, native of southern Europe. The foliage is finely cut and of a silvery gray color thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves like Coleus. Can be kept trimmed down to any shape. Is also known by the name "Holy Flax." Ea, 10c, doz. 75c

GRAPE MYRTLE.

A handsome, free flowering half-hardy shrub from India which should be kept in the house or cellar over winter, but may be planted out in the spring and blooms profusely during midsummer. The flowers are of very curious shape and will instantly attract and hold the attention of any lover of the beautiful. Flowers are about two inches in diameter and of a delicate rich pink color. Each 15c.

DOUBLE NEW LIFE GERANIUM.

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ADLANT & CO.

MUSK PLANT.

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

BLUE SPIRAEA.—(Caryopteris.)

A handsome shrubby plant from China which is of easiest culture and hardy if covered with straw or leaves on approach of cold weather. Its color is beautiful, an exquisite shade of azure blue, and flowers luxuriantly in a pot or in the open ground; its blooming period is from mid-summer until heavy frosts, when flowers are scarce and hardly anything is to be had in its color. It grows about two feet high, and bears fragrant feathered clusters of flowers along the stem, so that it is pre-eminently adapted for cut flowers, the blooms remaining fresh days after they are cut. The foliage has a pleasant, spicy odor when bruised. Each 20c.

GENUINE EDELWEISS; or Snow Flower.

This is the true famous Edelweiss of the Alps found growing there in the most inaccessible spots among the rocks and gathered by tourists and others at great risk of life. There is a world of poetry connected with this charming flower to obtain specimens of which many travelers have sacrificed their lives. The flower is considered the proper present for a bride from her fiancée on her wedding morn. Foliage is of peculiar white, downy texture and flower is quite pretty, blooming right through the snow. Perfectly hardy. Flower and plant when cut is an "everlasting," keeping nicely for years. Each 15c. Seed 10c per packet.



EDELWEISS.



ALASKA CARNATION.

RESURRECTION PLANT.

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



BLUE SPIRAEA.



AUREOLE GERANIUM.

UNCLE SAM CHRYSANTHEMUM.

A great novelty and one of the most strikingly beautiful and at the same time curious varieties ever introduced. The plant should be trained to one erect stem to give best results and will then surprise you with its wonderful head of bloom. Flowers have been grown to the immense size of 18 inches in diameter when spread out, but the petals usually droop like a mantle on all sides. Flowers consist of hundreds of long narrow petals of rich carmine pink color in center with clear white stripes on both edges, thus giving it a bright and very quaint aspect. The outer petals continue to grow while center is developing, and thus the plant is a "thing of beauty" for a long time. Every lover of flowers should order one and we are sure they will be pleased. Each 25c.

WEeping LATANA.

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

PRINCESS PAULINE AGERATUM.

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



PRINCESS PAULINE AGERATUM.

AUREOLE GERANIUM.—(Mad. Bruant.)

A fancy flowered sort, remarkable colors, quite distinct and almost startling in effect, no other variety equaling it for bedding. The plant is loaded with blooms and each floret is large, the center being white, beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright solferino. A most charming flower of celestial loveliness. A handsome pot plant and almost perpetual bloomer. Each 15c.

CAMILLE BERNARDIN GERANIUM.

A novelty in geraniums. Color is very attractive; upper petals are half white, succeeded by pink; lower petals base white followed by soft rosy-pink with soft scarlet edge; is a good bedder, as it stands the sun. Each 15c.

FLASHLIGHT GERANIUM.

Truly a novelty as it results from hybridizing two distinct classes of geraniums. Foliage is handsome and different from all others and the flowers are produced in great profusion in large trusses. Color brilliant but tender carmine. It will pay to try it. Each 20c.

BRYOPHYLLUM.—(Sprouting Leaf.)

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



BRYOPHYLLUM.



GLORIOSA CANNA.

Among the vast number of varieties of cannas which we grew last year none attracted so much attention as the Gloriosa, and we consider it without exception the most useful and beautiful variety ever introduced. It is a dwarf-growing sort with long spikes of bloom and the individual flowers are immense. In color it is rich crimson scarlet with a distinct golden band around each petal blending so as to make a "perfect symphony of crimson and gold." It is a perpetual bloomer, the flower stalks following each other in rapid succession, and its dwarf growth renders it desirable for center of geranium beds, etc. Each 25c.

HARVEST MOON COREOPSIS.

A most attractive novelty and one which is sure to prove satisfactory. Plants grow to a height of 18 to 24 inches and are literally covered with beautiful saucer-shaped flowers which are of such a brilliant orange yellow as to suggest its name. Petals are broad and irregularly fringed or toothed. Flowers are large, of a very rich color and desirable for cutting. Each 15c, 4 for 50c.

WONDERFUL GREEN ROSE.

Would you not like to have something different in your garden from any of your neighbors, something which can not fail to attract attention and excite wonder wherever seen. It is a perfect flower with deep green petals and a free bloomer. While not equal in beauty to the tea roses, still it is a great curiosity. Each 25c.

PERENNIAL ASTERS. A hardy plant of the easiest culture, producing a profusion of very pretty single daisy-like flowers, nice for bouquets. Each 10c, doz. 75c.

CHANCE SALVIA.

This most charming new variety is a sport from the scarlet 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 blooms profusely throughout the summer; in fact the plant is almost covered with bloom constantly. Salvias are the people's flower and should be planted by everybody as they are of the easiest culture, thrive everywhere, are constantly in bloom, and are therefore very desirable for bedding. Set out a few plants of the "Chance" Salvia and nothing in your garden will attract more attention. It also makes a beautiful plant grown in pots. Each 10c, doz. \$1.00

OTHER SALVIAS.—Notice our list of other desirable varieties on page 85, and be sure to order an assortment this year.



CHANCE SALVIA.

COUNTESS LOUISE ERDODY BEGONIA.

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



LOUISE ERDODY BEGONIA.

NEW DOUBLE ABUTILON.

Our cut well shows a leaf and flower of the new double flowering (*Thompsonii plena*) Abutilon. Instead of a single bell-shaped bloom like all other kinds this has a perfectly double flower resembling a double hollyhock in form and of rich deep orange color shaded and streaked with crimson. Foliage handsomely variegated. Blooms freely. Each 15c.



NEW DOUBLE ABUTILON.

WHITE PHENOMENAL FUCHSIA.

Most of our patrons are acquainted with Fuchsia Phenomenal, and know what a very 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 15c.

PEPPERMINT GERANIUM.

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

CRIMSON VELVET PLANT.—(*Gynura Aurantiaca*.)

This is one of the rarest and most beautiful foliage plants in cultivation. It is of exceedingly robust and branching growth, yet remains dwarf and compact. The leaves and stems are entirely covered with minute hairs, shining, glistening, reflecting many delightfully new colors, such as peculiar and beautiful shades of orange, crimson, purple, blue, green—a veritable kaleidoscope. Any change of position appears to alter the color of the foliage, which appears thick and long lasting. An ordinary observer would pronounce the plants artificial, so unlike nature do they appear. In fact, it is so beautiful that flowers seem superfluous, yet they are produced in brilliant orange clusters. It is equally desirable for pot culture, vases or bedding out. 25c each.

PAMPAS GRASS.

No one can help admiring the beautiful, pure white pampas plumes, which are of most graceful form 20 to 36 inches in length and of exquisite and indescribably fine substance. Thousands of them are sold at fairs and expositions in all parts of the country and millions are exported to Europe, as they are even more popular there than in this country. They grow on a grass-like plant which is a native of South America, but now largely grown in California. Clumps of it grow 10 to 14 feet high and are very decorative on a lawn. It is not hardy enough to withstand the winters here, or it would be more popular. We have, however, some strong young plants which if set out in a warm, sunny location sheltered from north winds, will probably produce the beautiful long plumes the first year. Plants can be taken into the cellar to protect for winter. We furnish nice plumes at 40c per pair by mail postpaid. Strong young plants 15c each; 5 for 50c. Pampas Grass seed (blooms second year) packet 5c.

MINIATURE TRADESCANTIA

A very small leaved variety of Wandering Jew. A beautiful little novelty which is sure to please the ladies as it is very desirable for growing in hanging baskets, vases, window boxes or anywhere that a trailing plant is desired. Color of the leaves is dark green broadly striped with silvery white, carmine and pink. Each 15c, 4 for 50c.

PANSIES.

Our plants are strong and well grown from choice seed. All varieties mixed. Doz. 40c, 3 doz. \$1.60.

ROYAL EXHIBITION PANSIES

—The plants here offered are grown from our own choicest strain of seed procured from the world's greatest Pansy specialists and for size of bloom, richness of coloring and texture will be found unapproached by any other strain. Extra strong plants, 60c per doz., 3 doz. for \$1.50.

OLD MAN'S BEARD.

A curious and quite decorative plant having very fine, hair-like foliage of steel blue or bluish gray color. Fine for edgings, window boxes, etc. Each 15c, 5 for 50c.



WHITE PHENOMENAL FUCHSIA.

VIOLETS.

SWANLEY WHITE.—This beautiful new double White Violet is unquestionably the finest double variety in existence, and is a decided acquisition even to the smallest collection of plants. The plants are of vigorous growth, producing a great many of the pure snowy white double flowers, while the dark green foliage forms a good background. It has such a delightful odor that it has been called the "Queen of Fragrance." Is of so much value either for bedding or pot culture and a more satisfactory flower it would be hard to find. Each 10c, doz. \$1.00.

MARIE LOUISE.—To contrast with the white we offer this the finest double blue violet grown. Color deep violet blue, very fragrant and a continued bloomer. It is of extremely easy growth. This is the variety which is grown by the hundreds of thousands to supply the cut flower markets of the country. It is not hardy in the north. Flowers large and double, stem long and foliage a soft, rich, dark green. Each 10c, doz. \$1.00.

CALIFORNIA.—Grand new single variety. Is a sturdy grower with dense, heavy foliage, entirely free from disease. Intensely fragrant. Color a clear, violet-purple that does not fade. The flowers are as large as a silver dollar, and are borne on stems ten to twelve inches long. Each 10c, doz. \$1.00.



SWANLEY WHITE VIOLET.



PAMPAS GRASS.

FLOWER SEEDS.



I LOVE FLOWERS. DON'T YOU?

Our floral beauties come in for their full share of attention, and we have in our employ an experienced specialist in this line, who, under our supervision, attends to growing whatever can be grown to advantage in this country, tests all novelties offered in this country or Europe, and is constantly trying, by selection and hybridization, to improve the leading varieties, and make our Choice Iowa Flower Seeds just what we are striving for—the best in the world. All who truly love the beautiful and prize all things new and valuable in the floral kingdom, will be interested in the following pages, and also in looking over the flower plant and bulb list. Don't fail to notice also the novelties listed on the colored pages of this book.

Our flower seeds are all fresh and we know they are unsurpassed. Quality is always the first consideration. Our mixtures are mainly made up by ourselves from named varieties, or from growing a large number of the best named varieties together, and will yield a better assortment than is commonly found. This year we list all the varieties alphabetically together—annuals, biennials, perennials, climbers, everlastings and ornamental grasses, but we mention in the description the class they belong to if they are not annuals. This will make it easier to find any sort named.

DIRECTIONS FOR SOWING, ETC.—To insure success the conditions and requirements of the several species as to soil, moisture, heat, etc., should be studied and then observed in culture. Below we give a few general directions for their culture, though more complete directions will be found printed on many of the seed packets. The soil best adapted to most flowers is light, rich loam, containing enough sand to make it porous. If there is some clay with it the colors will be brighter. Make the surface as smooth and fine as possible, sow seeds in rows, covering each sort of seed in proportion to its size (a good general rule being to cover twice the diameter of the seed) and press the soil down firmly over it. Do not plant any seeds when the ground is wet. Many varieties, such as pansy, verbenas, daisy, hollyhock and the fine greenhouse-plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam, well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep them too wet, and as soon as they are large enough to handle transplant to boxes from one to two inches apart, where they are to remain until time to transplant to permanent beds. We will always be glad to answer any questions from our customers relative to the cultivation of any kind of plants.

OUR PRICES.—The cost of raising the various sorts of flower seeds varies greatly, from such as mignonette, of which we can grow a hundred pounds at but comparatively only a few dollars expense, up to double petunia, which costs us over one hundred

lars per ounce, and some other kinds which are still more expensive. There are but few who care for more than one good sized bed of any sort; therefore we have filled our packets with a sufficient amount and made prices as low as possible, some being only two or three cents each, and we are certain customers will be well pleased with the quantity they contain. We have carefully compared our packets with those of many of the leading seed dealers and are convinced that our packets on an average are better filled than any of them. We are growers and sell flower seeds to many of the largest seedsmen in this country and Europe, and can afford to sell at low prices to our customers.

DISCOUNTS.—In spite of our very low prices by the packet, we still offer flower seeds in packets only, to the amount of \$1.25 for \$1.00. This discount does not apply to collections of seeds nor to seeds by weight or measure. All flower seeds are sent free by mail on receipt of price.

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 all the descriptions, changing some of them after comparing with the flowers in the field, and we believe no more correct or complete list of desirable sorts can be found in any catalogue.

A NICE LAWN is easily obtained by sowing our Mixed Lawn Grass Seed. It is vastly cheaper than sodding, and you are not bothered with weeds, which are in the sod. See price in grass seed department.

ABRONIA.

Trailing habit similar to verbenas, bearing clusters of sweet-scented flowers. Effective for bedding in masses, and very desirable for rockwork and hanging baskets. In beds sometimes one plant covers a yard square and is full of bloom. Rose color. Pkt. 3c.



ACROCLINIUM.

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



AGROSTEMMA.

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

ABRONIA.

long, slender stems, Very useful for cutting for bouquets and pretty for masses in beds. Also known as Rose of Heaven. About 1½ feet high. Deep rose color. Pkt. 3c.

ALBA.—White; fine for cemetery. Pkt. 5c.

ARABIS.

ALPINA.—Among the earliest blooming plants, and very useful for rockwork, edgings, carpet bedding, etc. Flower pure white. Plant 9 inches high and a hardy perennial. Pkt. 10c.

ADLUMIA.

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

AQUILEGIA. (Columbine.)

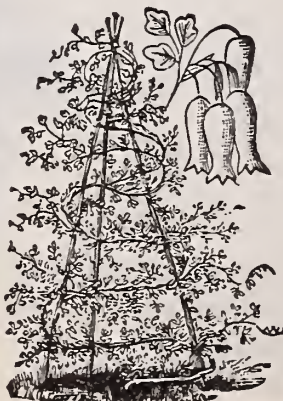
Too much praise cannot be given to these elegant, free-flowering, and deservedly popular hardy plants, blooming profusely through the spring into early summer. Hardy perennial.

CHRYSANTHA.—The beautiful, large-flowered, canary yellow variety. Very showy and satisfactory. Pkt. 5c.

WHITE.—Blossoms on Decoration Day. Very desirable for cemetery. Pkt. 10c.

COERULEA.—Flowers very large, violet blue and white. Pkt. 7c.

DOUBLE VARIETIES MIXED.—Pkt. 5c



ADLUMIA.

AGERATUM.

MEXICANUM.—Very desirable for bouquets; produces a great many blue flowers and blooms a long time; largely used by florists; start seeds early. Pkt. 4c.

ALBIFLORUM.—Like above, only white. Pkt. 8c.

ASPERULA.

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

ADONIS.

ESTIVALIS.—Brilliant scarlet. Blossoms throughout the season. Foliage is graceful and feathery. Height 1 ft. Pkt. 3c.

AMOBIMUM.

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

ABUTILON.

A handsome greenhouse plant. Fine mixed. Pkt. 10c.

AMARANTHUS.

Prized for variety of handsome foliage whether grown in conservatory or garden. The colors will be more brilliant if planted in moderately rich soil. Should not be planted in the north before May.

TRICOLOR.—Leaves yellow, red and green; well known as "Joseph's Coat." Very showy in beds alone. Hardy annual; two feet high. Pkt. 3c.

SUNRISE.—The most brilliant and showy variety. Top of plant brilliant crimson, lower leaves dark maroon. Worthy a place in every garden and sure to please the most critical lover of the beautiful. Pkt. 10c.

CAUDATUS.—(Love Lies Bleeding.) Produces long, drooping chains of brilliant colored flowers. Pkt. 3c.

MIXED VARIETIES.—Pkt. 5c.

BALLOON VINE.

A very pretty, rapid growing climber, succeeding best in a warm situation. Remarkable for its inflated semi-transparent parent capsules; sometimes called "Love in a Puff." Flowers white. Pkt. 5c,



AMARANTHUS.



ASTERS.

The numerous forms of the aster, and the now great variety of rich colors of its perfectly double flowers make it a leading favorite. For a late summer and fall display it has no equal. Sow seed early and give deep, rich soil, with plenty of mulching.

NEW DIAMOND.—(See cut, No. 1.) The flowers are extremely beautiful, 2 to 2½ inches across, and the plants grow 18 to 20 inches high. All the stems and branches are terminated by perfect flowers, the plant appearing as 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 dwarf asters. Each plant forms an elegant bouquet of itself. The individual flowers measure from 2½ to 3 inches across. When beginning to bloom it is a pure scarlet, but when in full bloom it changes to a magnificent, satiny, deep scarlet. Pkt. 10c.

SNOWBALL.—(No. 3.) A beautiful and distinct variety and the best white. The flowers are semi-spherical, as shown in our engraving; of refined and faultless form; pure white, beautifully imbricated and very freely produced, as many as 30 flowers being frequently borne on a single plant. Fine for pot culture. Pkt. 15c.

PERFECTION.—(No. 4.) *Truffant's Improved Paeony 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, freely produced. Beautiful and showy. Mixed colors. Pkt. 5c.

GIANT COMET MIXED.—(No. 6.) The shape of this new variety differs from all others, resembling closely the large-flowered Japanese chrysanthemums. The flowers are from 3½ to 4½ inches in diameter, perfectly double, many handsome colors mixed. Pkt. 10c.

SEMPLER'S WHITE.—The finest late variety. Very large, sometimes 4 inches across. On long stems. Pkt. 5c.

SEMPLER'S CRIMSON.—Like above except color.....Pkt. 5c

SEMPLER'S LAVENDER.—A beautiful shade.....Pkt. 5c

SEMPLER'S PINK.—Bright rosy pink.....Pkt. 5c

SEMPLER'S PURPLE.—Quite showy and handsome.....Pkt. 5c

HARLEQUIN.—A new dwarf strain of great beauty, with oddly spotted and striped, very double flowers of red and blue, the same plant having a great variety of flowers on it. Pkt. 10c.

VICTORIA.—This is a magnificent sort, 20 inches high, vigorous in growth, of pyramidal habit, a very free bloomer; its flowers are double to the center. Very large and of brilliant colors; mixed. Pkt. 10c.

QUILLED GERMAN.—Mixed. Pkt. 3c.

DWARF BOUQUET.—Very fine, mixed colors; each plant forms a bouquet. Pkt. 5c.

WASHINGTON.—The largest aster in cultivation, its flowers often measuring five inches across; perfectly double, fine form and of many exquisite colors; mixed colors. Pkt. 10c.

COLLECTION OF ASTERS.—One pkt. each of above 19 varieties \$1.10

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

ROYAL MIXED.—A very choice selection of all the best sorts; no second grades. Pkt. 10c.



HARLEQUIN ASTER.

GOLDEN BALL.—The long-sought novelty—a yellow aster—has finally been produced and will be warmly welcomed by all flower lovers. The double flower is of light yellow. Pkt. 10c.

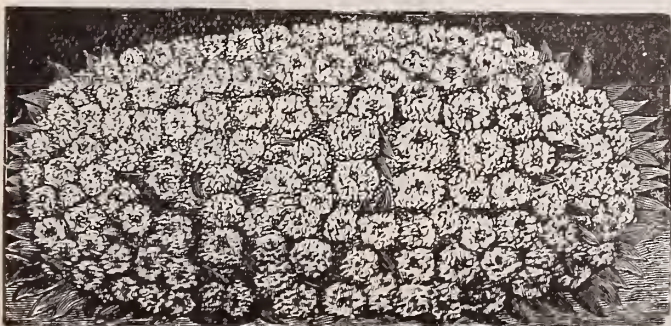
NEW BRANCHING.—One of the best floral novelties, and one which every flower lover should try. The flowers are borne on very long stems and are of extraordinary size, being four inches or more in diameter. Mixed colors. Pkt. 10c.

BETTERIDGE'S QUILLED.—Perfectly double tube or quill-shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.

ALYSSUM.

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

LITTLE GEM.—The plants are very dwarf and remarkably uniform in growth, grows only 3 or 4 inches high, and each plant spreads so as to completely cover a circular space 12 to 20 inches in diameter. The plants begin to flower while quite young and soon become one mass of white, remaining in full bloom from spring till 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.



ANTIRRHINUM.

ANTIRRHINUM. — (*Snapdragon.*)

One of the most beautiful and useful border plants, blooming profusely the first season from seed, until after frost. Our mixtures contain all the new and choice colors, including the beautiful striped, variegated and margined.

TALL VARIETIES MIXED. — Pkt 3c.

TOM THUMB. — A collection of the most beautiful, very dwarf varieties. Pkt. 5c.

GIANT FLOWERED. — A most beautiful new class having all the finest colors and markings. Immense spikes and flowers. Pkt. 10c.

BEGONIA.

Seeds should be sown on top of the soil in a box, pressing soil evenly with a block. Cover box, with a glass and give partial shade until up.

VERNON. — Comes absolutely true from seed. The plants grow rapidly and thrive amazingly under our hot summer sun. Pkt. 10c.

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

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

ERFORDIA. — A little beauty as well as a most distinct novelty. It is a most profuse bloomer from early summer until late autumn. The color of the flower is a lovely soft pink throughout. The leaves and leaf stalks are of a coppery bronze of a rich shade. Pkt. 10c.

TUBEROUS-ROOTED. — Of great value for summer decoration. They are covered the whole summer with bright and elegant flowers; blooming the first season from seed, if sown in February or March, in a temperature of 60 degrees. Single and double mixed. Pkt. 15c.



REX BEGONIA.

BRACHYCOME.

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

BALSAM.

One of the most beautiful of our annuals, and under the old names, *Lady Slipper* and *Touch-Me-Not*, has always been popular, but by the care and attention given it in the last few years, it has been greatly improved. The flowers are most brilliantly colored, very large and double as the rose; very striking in their rich coloring, ranging from pure white to rich dark crimson. The packets contain about 50 seeds.



PEERLESS MIXED BALSAMS.

CAMELIA FLOWERED MIXED. — Very double, resembling the camelia in form, of unusual size, perfect shape, and our mixture contains all the best colors. You will be greatly pleased with it. Pkt. 5c.

WHITE DOUBLE. — Very desirable and largely used by florists. Pkt. 8c.

PEERLESS MIXED. — This new mixture is made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double as a camelia and of all known colors, and plants are loaded with hundreds of flowers. Pkt. 10c.

All Varieties Mixed. — A nice mixture of the older sorts. Pkt. 4c, oz. 25c.

CALLIOPSIS Or COREOPSIS.

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

LANCEOLATA — New Golden Coreopsis. — One

of the most showy *hardy perennials* grown, forming tall plants two or three feet high, and bearing in great profusion for a long period during the summer, large flowers of bright golden yellow. Unequaled for cutting. Grows anywhere. Pkt. 10c.

GOLDEN WAVE. — Plant very bushy and compact, reaching two feet in height, and covered from July to October with hundreds of beautiful golden blossoms, two inches in diameter, with small dark centers. It is indeed a wave of gold. Pkt. 8c.



LANCEOLATA CALLIOPSIS.

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

CALENDULA.

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.

OREOLE. — The extra large double flowers are indescribably rich and glowing in tone of an intensely bright golden yellow; wonderfully free flowering plant. Pkt. 5c.

FINE MIXED — Many nice varieties. Pkt. 3c.



ORIOLE CALENDULA.

CANARY BIRD FLOWER.

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



CANARY BIRD FLOWER.

CANNA.

Unquestionably one of the finest of bedding plants for the American climate. Their handsome leaves combined with their varied and richly colored flowers have an extremely fine effect. They are easily raised from seeds which should be soaked in hot water for several hours. Our seed is a mixture of the finest large flowering sorts. Per pkt. 5c, oz. 25c.

CANDYTUFT.

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

GIANT EMPRESS. — One of the finest varieties in cultivation. It is intermediate in height between the old Rocket and the newer Tom Thumb sorts. The plant is of very branching habit, and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt. 7c.

SNOW QUEEN. — An extra fine dwarf pure white variety, grows rapidly, remaining in full flower for about 3 months. Pkt. 5c.

BEST MIXED. — A mixture of all varieties and colors. Pkt. 3c, oz. 40c.

SEMPERVIRENS. — Profuse white blooming perennial, adapted for rockeries, baskets, etc., coming in flower early in the spring. Pkt. 10c.



GIANT EMPRESS CANDYTUFT.



CUP AND SAUCER CAMPANULA.

CAMPANULA.

CUP AND SAUCER.—A beautiful variety. The bell is nearly four inches in diameter, presenting the form of a saucer, hence its name. The plant is of strong growth, quite as hardy and floriferous as the old blue variety, and is very elegant and handsome, when in flower the blossoms literally hiding the plant. Perennial. Mixed colors. Pkt. 10c.

MIXED VARIETIES.—A choice mixture of all the best double and single varieties, suited for growing together. Pkt. 5c.

CENTAUREA.

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



DOUBLE CENTAUREA.

CYANUS DOUBLE.

—A most charming sport from the above, well shown in our illustration. Flowers very large and globular. A continuous bloomer, and becoming quite popular. Our mixture contains a great variety of colors. Pkt. 8c.

MARGUERITE.—This is one of the handsomest novelties ever brought out. The large flowers are of the purest white, deliciously scented, exquisitely lacinated and freely produced. Pkt. 10c.

GYMNO CARTA.—The foliage of this variety is finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. 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. Large flowering. Pkt. 15c.



LARGE FLOWERING CINERARIA.

COLEUS.

One of the most popular foliage plants. Is very decorative in the border and easily grown from seed, which frequently produces new and distinct varieties. Half hardy perennial. Packets contain about 150 seeds.

FINE MIXED COLORS.—Pkt. 10c.

RAINBOW.—The finest sort; sure to please everyone. Pkt. 15c.

CACALIA.

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

CELOSIA.

For summer beds we know of nothing that will produce as showy and brilliant effects.

GIANT EMPRESS.—Is very handsome either for pot plants or specimen plants in beds, where they excite the curiosity of visitors more than almost any plant that can be grown. The Empress is the finest and most gorgeous variety yet introduced. It is not uncommon for the heads of this variety to measure over 12 inches in breadth; very bright purple combs and dark bronze foliage. Pkt. 10c.

JAPONICA.—Very bright crimson variety, large, finely cut. Pkt. 5c.

OSTRICH FEATHER.—Beautifully curled crimson plumes. Pkt. 10c.



GIANT EMPRESS CELOSIA.

GOLDEN GLOW.—This is one of the most attractive novelties of the season. Plants large and produce many handsome flowers 6 to 10 inches in diameter and of a most attractive bright, rich golden yellow color. Pkt. 10c.

PYRAMIDALIS PLUMOSA.—A handsome feathered sort. The entire plant is of perfect pyramidal form if given room for development. Flowers are of all shades of scarlet, crimson, yellow and pink. Pkt. 5c.

ALL VARIETIES MIXED.—Pkt. 5c.

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 four months after sowing the seed. The plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The flowers are of high type, exquisitely sweet, fully 80 per cent perfectly double, the calyx of which does not split. The range of color, marking, variegations and shading are simply wonderful. Pkt. 5c.

GOLDEN ROD.

Although considered an objectionable weed on our western prairies, there is no denying the beauty of this flower, and it has been adopted by New York as the state flower. Greatly admired everywhere; easily grown from seed. Pkt. 5c.



MARGUERITE CARNATIONS.

CROTOLARIA RETUSA.

A handsome, interesting and easily grown plant.

The flowers are of rich golden yellow color with a spot of velvety brown in the center. The flowers are in long spikes and the separate blooms

greatly resemble sweet peas in form and some call them Yellow Sweet Peas. Plants are of bushy growth about 15 inches high, and are literally covered with blooms, which are followed by clusters of short, smooth pods, which, when shaken, sound like a child's rattle. Hence its common name, "West India Rattle Box." Start seed early and it will bloom the first year. Per pkt. 10c.

COBORA SCANDEUS.

Magnificent climber, of rapid growth and beautiful blue flowers. The seed should be planted edgewise in moist earth. Pkt. 10c.

CASSIA CHAMACCRISTA.

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 destroyed by frost. Pkt. 7c.



CROTOLARIA.



COSMOS.

cosmos, which in the bright sunshine presents a mass of beauty.

COSMOS.
A magnificent race of plants growing about 3 to 4 feet high, and in fall literally covered with graceful flowers resembling single dahlias, but better for cutting. As a cut flower for vases or personal wear its grace and beauty is unequalled. Easily raised from seed if sown early.

ALL COLORS MIXED.—Pkt. 5c.
MAMMOTH PERFECTION.—Flowers double the size of the old large flowering cosmos, measuring 12 to 15 inches in circumference; the petals are broader and overlapping; flowers white, pink or crimson. Seed should be sown early in the house, as they are quite late. Pkt. 7c.

EARLY DAWN MIXED.—Two months earlier than either of above. Many colors mixed. Very pretty. Pkt. 10c.

CYPRESS VINE.

A beautiful rapid climber with delicate, dark green foliage, and an abundance of bright star-shaped scarlet and white blossoms.

SCARLET.—Very bright. Pkt. 5c.
WHITE.—Pretty in contrast with scarlet. Pkt. 5c.

PINK.—A pretty, new shade. Pkt. 5c.
MIXED COLORS.—The above mixed. Pkt. 5c, oz. 3c.

NEW IVY-LEAVED.—Entirely distinct from all other varieties, both in flowers and foliage. The ivy-like leaves make a dense screen from which the pretty fiery orange-scarlet flowers stand out in countless numbers. It is quick growing and sure to please all who try it. Pkt. 7c.

CONVOLVULUS.

MINOR. (*Dwarf Morning Glory.*)—These beautiful bush Morning Glories grow only about one foot high; the flowers are freely borne, and, if pleasant, remain open all day. The plant spreads with much regularity in all directions, and a bed of them is a beautiful object throughout the summer. Mixed colors. Pkt. 5c.

CHRYSANTHEMUM.

SINGLE MIXED.—One of the prettiest annuals grown. The colors have the appearance of being laid on with a brush, and for this reason they are frequently called "painted daisies," and are indeed charming. Sow seed early in open ground and they will bloom all summer. Pkt. 3c.

NEW DOUBLE ANNUAL.—A valuable and most unique novelty. They are extremely variable and it is impossible to describe the beautiful forms which have been produced. A great variety of colors, markings and pencilings. Although mostly very double, there will be an occasional semi-double, or even single, but these are almost equally charming. Pkt. 5c.

PERENNIAL.—Double mixed. This is the most popular greenhouse variety. Very showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks. Sow seeds early. Pkt. 10c.

DAISIES.

Popular perennials, blooming the first year from seed; very handsome for borders or pots.

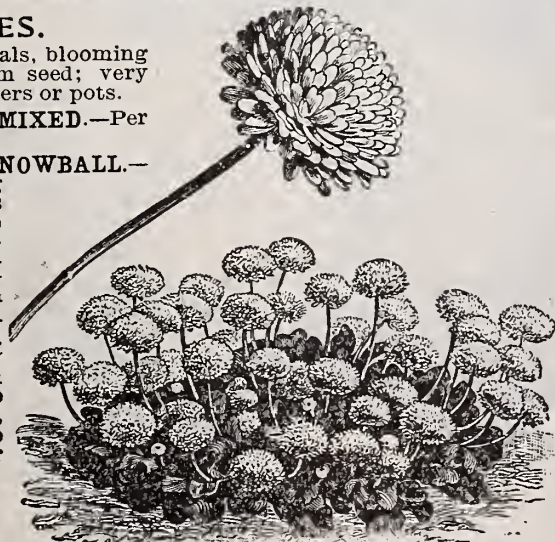
BEST DOUBLE MIXED.—Per pkt. 5c.

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 snow white. Don't fail to give this little beauty a fair trial, and it will be sure to please you. Per pkt. 10c.

CLARKIA.

A very pretty and desirable hardy annual. Mixed colors. Pkt. 3c.



GIANT SNOWBALL DAISY



NEW DOUBLE PINK
"FIRE BALL"

DIANTHUS.

The Dianthus, or Chinese pink has long been a great garden favorite. It is, in fact, one of our most useful plants, furnishing abundance of gay and pretty flowers until frozen in with the earth and covered by drifting snows. They 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.

FIREBALL.—A beautiful, very dwarf and compact growing pink, only 10 to 15 inches high. Flowers are perfectly double, and color a rich, velvety blood red. The plants begin to flower shortly after seeds are up, and continue to bloom profusely all summer and fall, only ceasing when overtaken by severe frost. Effective for garden bedding or pot culture, and as a cut flower. Pkt. 10c.

SNOWBALL.—A fit companion to the above. Flowers large, pure white, double, finely fringed and of perfect form. Pkt. 8c.

CROWN.—The flowers averaging six inches in circumference, are densely double and are produced in perfect succession during the whole summer. Colors from purest satiny white to red shades so deep and intensely brilliant that the eye can scarcely penetrate their velvety depths, soft pinks and flesh tints more dainty than brush could lay; and a large proportion of flowers hieroglyphically marked with various hues. Pkt. 8c.

MOURNING CLOAK.—A magnificent new variety, with very double large flowers of a very dark mahogany, almost black, each petal edged with a clear cut margin of pure white. Pkt. 5c.

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

DOUBLE DIADEM PINK.—Superb large double flower. Hieroglyphically marked, like the original Chinese pinks, in the middle down to base of each petal; magnificent in color and variety. Pkt. 7c.

CHINENSIS. (*Double Chinese Pink.*)—Finest double mixed. Pkt. 3c.

LACINIATUS.—Double fringed, mixed. Pkt. 5c.

IMPERIALIS.—Double Imperial pink. Pkt. 5c.

MIXED VARIETIES AND COLORS.—Pkt. 5c.



MOURNING CLOAK.

DATURA.

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

CORNUCOPIA.—A magnificent novelty of striking beauty. The plant is about three feet high. The stems, of dark purplish maroon. The flowers average eight inches long by five inches across the mouth, are formed of two or three flowers growing one within the other. Very fragrant. Pkt. 10c.

DOUBLE VARIETIES MIXED.—An excellent mixture of the best kinds. Pkt. 1c.

ESCHSCHOLTZIA.

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

SINGLE.—Mixed colors. Pkt. 4c.

DOUBLE MIXED.—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c.



ESCHSCHOLTZIA.



FUCHSIA.

Fine plants can easily be raised from the seed, which will bloom freely during the summer in a cool, moist situation in the open air. On the approach of frost in the fall, they can be taken up and planted in pots. A packet contains about 15 seeds. Finest double and single mixed. Pkt. 10c.

FUCHSIA.

FORGET-ME-NOT.

Myosotis. Perennials. Bloom the first year from the seed. Pretty plants with neat little star shaped flowers.

ALPESTRIS.—Mixed colors. Pkt. 5c.

PALUSTRIS.—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. 7c.

FOXGLOVE. (*Digitalis.*)

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



FOUNTAIN PLANT. to 4 inches across, of exquisite colors.

LADY SATIN ROSE.—Brilliant deep rose pink, surface shines like satin. Pkt. 8c.

MIXED VARIETIES.—All colors. Pkt. 5c.

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 lover of flowers. Bloom the second year from seed. Pkt. 8c.

GAILARDIA.

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, one to two feet high. Grown in mass they are especially effective.

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, slender stems and when cut will keep for over a week. Pkt. 5c.

GRANDIFLORA.—Splendid new perennial varieties, with very large flowers, dark crimson centres, marked with rings of many brilliant colors. It is a very satisfactory flower, making a nice showing in the yard. Pkt. 10c.



GLADIOLUS.

FREESIA.

REFRACTA ALBA.—Bears peculiar clusters of white flowers of the most delicious fragrance, which last a long time, even after being cut. Start seeds early, bulbs dry off in summer. Start them growing in the house in October and you will be pleased with them. They are easily grown, Pkt. 10c.



FREESIA.

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 banded and tipped with orange, carmine, purple, crimson and gold, forming bright colored plumes. Pkt. 7c.

GODETIA.

Handsome and showy annuals about one foot high, of dwarf, compact growth bearing freely large flowers 3

DAHLIAS.

The dahlia is well known, but few are aware that if the seed is sown early in the spring they will bloom the first year.

NEW TOM THUMB.—Very pretty little plants, only 12 to 15 inches high, of a bushy habit of growth, and they come into flower very early. Showy, single flowers of many colors. Pkt. 7c.

DOUBLE MIXED.—Our seed is of the finest strain, and produces magnificent, large, very double flowers of the richest shades. Pkt. 8c.

SINGLE MIXED.—Pkt. 5c.

GERANIUM.

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. Packets contain about 40 seeds.

CHOICE MIXED.—Seed saved from the best varieties, mixed. Try it. Pkt. 5c.

GOOD VENTURE.—A greatly improved strain of geranium seed grown by a specialist, which we are sure will delight anyone. Pkt. 15c.



GERANIUM.

GRASS PINKS.

The hardy and pretty clove-scented flowers which were so much loved by our grandmothers. Their fragrance is quickly noticed by any one passing by the yard where they are grown, before

Grass Pink.

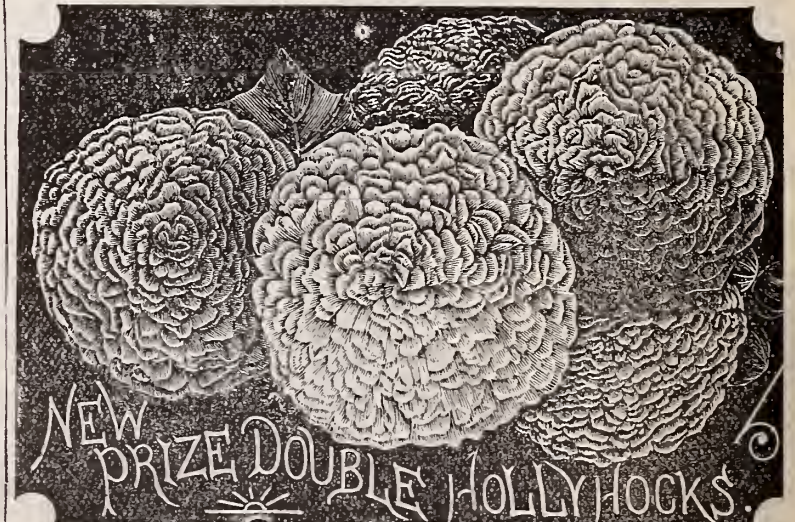


seeing the flowers. There has been quite a call for these among our customers, and for several years we have tried to obtain seed of this old garden favorite and have at last succeeded in obtaining a fine crop of seed. The flowers range from pure white to a dark pink, most of them, however, being a clear, delicate pink color. A hardy perennial very desirable for borders. Per pkt. 5c.

HOLLYHOCK.

No garden flower is more showy or admired. Start the seeds in a box in the house in February or March, and about May 1st transfer to a permanent place in garden where they will produce elegant spikes of flowers.

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



NEW PRIZE DOUBLE HOLLYHOCKS.

CHATER'S PRIZE DOUBLE MIXED.—The illustration conveys but a faint idea of a great beauty of the magnificent double flowers three to four inches across, and all of the brightest colors. The flowers are quite as beautiful and perfect as those of the Camellia; they are massed completely around the spikes. A mixture of seventeen prize varieties, including all colors and shades known. Pkt. 10c.

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

ALLEGHENY MAMMOTH FRINGED.—An entirely new and distinct variety which has attracted great attention. Flowers single, semi-double and double, of rich colors and fine form. Pkt. 10c.



HELIOTROPE.

HELIOTROPE.

A great favorite with all lovers of flowers for their beauty and fragrance; are well suited for beds or borders, where they will bloom in summer, and may then be carefully potted and cut back for winter blooming. All should try raising these from the seed and obtain a nice assortment. Mixed varieties. Pkt. 5c.

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

ICE PLANT.

A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The whole plant is peculiarly brilliant in sunshine. The flower is white and pink. Pkt. 5c.

LARKSPUR.

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

AMERICAN BANNER.—The handsomest flower in the entire catalogue. It is the only flower we know of which combines the national colors—red, white, and blue—in each flower. Plants grow to a height of about two feet, and are fairly loaded with long spikes of double striped and blotched flowers. Pkt. 10c.

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

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



ICE PLANT.

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

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



ROCKET LOCKSPUR.

LOBELIA.

Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

LEMON VERBENA.

Everybody knows the Lemon Verbena and all should have a few specimens of it, for its fragrant foliage is so fine to use in bouquets and floral work. Pkt. 10c.

LANTANA.

Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors. Pkt. 10c.



LOBELIA.

HELICHRYSUM.

A very pretty and popular hardy annual growing about 12 to 15 inches in height and bearing large, double flowers of different shades and colors, ranging from white to bright yellow, rich red and scarlet, while many are shade and tipped with various colors. Best of the "everlastings" and fine for winter bouquets. Instead of offering separate varieties we have made up a mixture of all the best monster flowering sorts. Per pkt. 5c.

LATHYRUS.

A beautiful, showy, free flowering perennial known commonly as the Everlasting or Hardy Sweet Pea. Pkt. 5c.



MONSTER HELICHRYSUM.

HUMULUS.

(Hop.)

NEW JAPANESE VARIEGATED.—We recommend this extremely handsome and distinct climbing vine, valuable for trellis and high places. Where an attractive, ornamental climber is desired, that will stand rough usage, we have nothing better. The leaves are strikingly variegated and marked; the first color is bright, deep green, distinctly marked and blotched with silvery white tinged with yellow; now and then a leaf will be almost snowy white, and another one not far away almost green. A superb, strong grower, reaching 20 to 30 feet in a few weeks' time; not injured by heat or insects. Pkt. 10c.



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NEW JAPANESE VARIEGATED HUMULUS.

STRIPED JAPANESE MAIZE.

An ornamental foliage plant of rapid growth, giving immediate effect and one which would be attractive in any garden. Grows 5 to 6 feet high and has alternate foliage, the leaves being very long and 2 to 3 inches wide. The variegation does not begin to show until the fourth or fifth leaf, when the leaves become striped with broad bands of white, changing soon to narrow stripes or ribbons of alternate clear white and brightest green, occasionally showing faint tinges of pink or rose color at the edges. The leaves are waxy and gracefully recurved. Our illustration does not do it justice. Desirable for groups on the lawn, or ribbon beds, or a back border to the lawn. Per pkt. 5c, oz. 15c.



STRIPED JAPANESE MAIZE.

MIGNONETTE.

The delicious fragrance of the Mignonette makes it indispensable for bouquets and cutting. It is

best to sow seed early in the garden, and they will commence blooming the first of June.

ALLEN'S DEFIANCE.—A remarkable and valuable variety with mammoth spikes 12 to 15 inches long, and more fragrant than any other variety. Florets are of immense size and the cut flower frequently keeps for three weeks, retaining its grace, beauty and fragrance. Per pkt. 10c.

MACHET.—Distinct sort of great merit. It is of dwarf and vigorous growth, and throws up numerous stout flower stalks, terminated by massive spikes of deliciously scented red flowers. Pkt. 5c.

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

SWEET SCENTED.—The old favorite. Pkt. 2c, oz. 15c.

MILES' WHITE SPIRAL.—Grows 2 or 3 feet high, perfectly erect, spikes of bloom often measure 12 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. 4c.

LYCHNIS.

Handsome plants of easy culture, growing in any rich garden soil; for massing in beds and borders, blooming the first year if sown early; hardy perennials.

CHALCEDONICA.—Is a pretty plant with star-like blossoms covering the dwarf bushy plants. Perfectly hardy, and blooms better the second season than the first. One of the most brilliant of garden flowers. Mixed colors. Pkt. 5c.

HAAGEANA, MIXED.—Brilliant, orange, scarlet, crimson, etc. Free flowering. Pkt. 5c.



MACHET MIGNONETTE.

MORNING GLORIES.

These "glories" of the old home gardens are again coming into popular favor, and the improved sorts are so bright, fresh and beautiful that we cannot help loving them, and, like the children, they are the glory and brightness of our home.

IMPROVED CLIMBING.—Everybody knows the common Morning Glory, but many of the choice new varieties contained in this mixture are indeed rare. It will be found to include the spotted and striped sorts, varieties with marbled and lacinated foliage, the ivy-leaved kinds—in short, the largest variety of Morning Glories ever offered in one package. Flowers of large size, and plants climb to a height of twenty to forty feet in one season from seed, producing thousands of flowers. Pkt. 5c, oz. 20c.

IMPERIAL JAPANESE.—Most magnificently large flowers of exquisite new colors which are rich and velvety; single and double mixed. Pkt. 8c. Oz. 25c.

FINE MIXED.—A mixture of the old varieties. Pkt. 2c, oz. 10c.

BRAZILIAN.—(*Ipomœa Setosa*.)—One of the grandest and most luxuriant plants ever grown, very showy and graceful, with rose-colored flowers from three to four inches in diameter, and a huge leaf ten to twelve inches across. The density of the shade is remarkable, as the leaves overlap one another like the shingles on a roof. Pkt. 10c.



OUR HOME MORNIG GLORIES.

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 the larger petals. About 80 per cent of the seedlings will reproduce themselves true from seed; when sown early in the spring, a long season of beautiful double morning glories will repay you. Per pkt. 10c.

MAURITANICUS.—A beautiful trailing plant for hanging baskets, vases, etc.; blue flowers; perennial. Per pkt. 10c.

MARIGOLD.

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

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

DWARF FRENCH.—Double mixed. 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 would take it to belong to 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 broadly marked with velvety crimson brown. Per. pkt. 5c



DOUBLE FLOWERING MORNING GLORY.

MAURANDIA.

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



NICOTIANA.

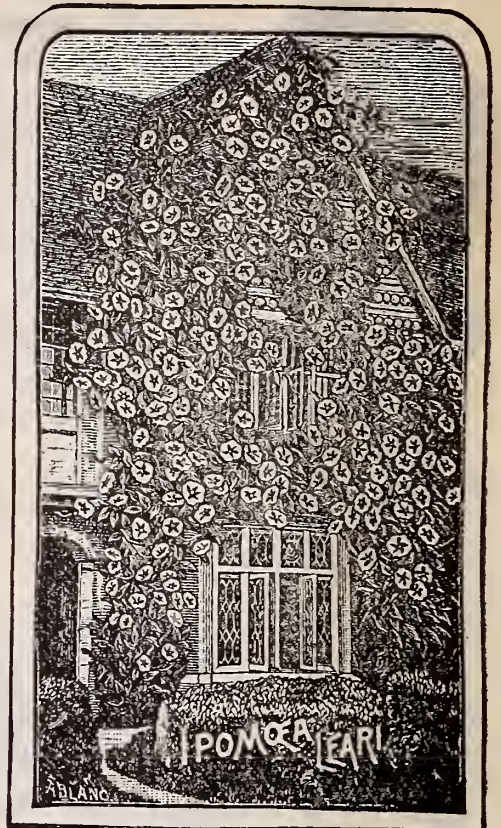
NIGELLA.

(*Love in the Mist*.)

Hardy annuals, about one foot in height, finely cut leaves and handsome flowers. Blooms early. A very pretty flower, and one our customers should try. Double flowers, blue, white and purple, beautifully veiled with feathery, delicate appearing foliage. Pkt. 4c.

NICOTIANA.

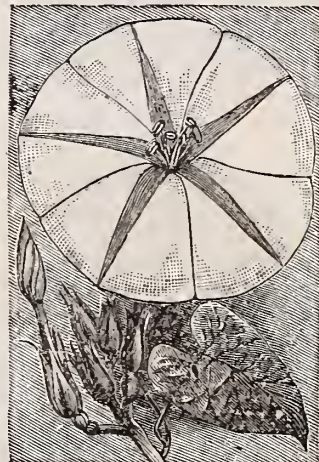
AFFINIS.—Of all varieties of tobacco which are grown for their sweet scented flowers this is the best. The plant is literally covered with large, white, star shaped flowers, which, after being cut, will remain perfect for a week. A few plants will perfume the whole yard or garden, Pkt. 5c.



BLUE MOONFLOWER OR IPOMœA LEARI.

MOON FLOWER.

WHITE.—(*Ipomœa 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 odor. Pkt. of 10 seeds, 7c.



MOONFLOWER.

BLUE FLOWERING.—(*Ipomœa Leari*.)—This distinct and charming novelty is valuable on account of being in beautiful and striking contrast with the true White Moon Flower described above; habit of growth and flower the same. The color is exquisite, clear, satiny blue with well-defined crimson bars; very distinct. Pkt. 10c.

NIEREMBERGIA.

Half-hardy perennial, slender growing plant, perpetually in bloom, flowering the first year if sown early; desirable for greenhouse, basket vase, or bedding; white, tinted with lilac. Pkt. 5c.

MIMULUS.

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

MOSCHATUS.—The well known musk-plant, quite pretty, and has a strong musk fragrance.—If better known this we are sure would be largely grown as the odor is pleasant and refreshing. A nice plant also for pot culture in the house. Pkt. 8c.



TOM THUMB MIRABILIS.

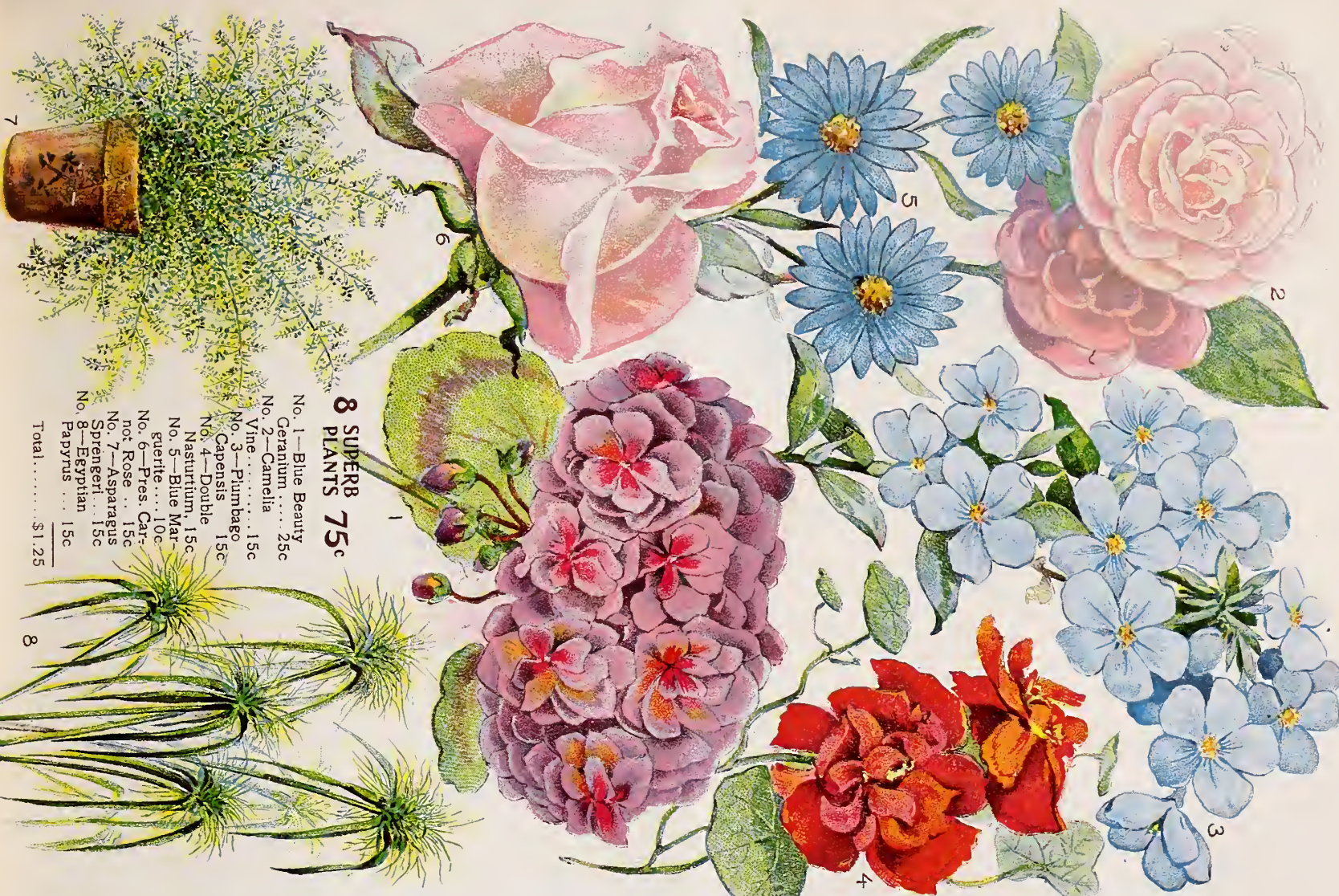
MIRABILIS.

The Marvel of Peru, or Four-o'clock' is one of the most brilliant and showy of annuals. Planted in beds or masses, their very compact growth, rich glossy leaves, together with their

profusion and diversity of bloom, presents a gorgeous sight during the afternoon.

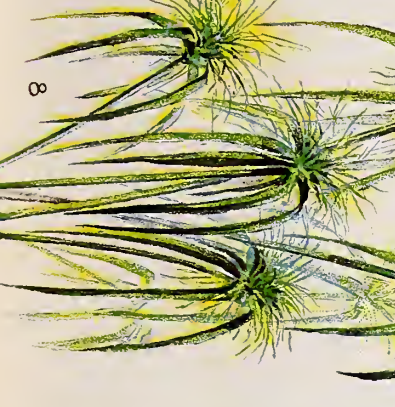
TOM THUMB MIXED.—Very handsome, compact dwarf, bushy plants, with elegant, golden-variegated foliage; numerous brilliant flowers, pure yellow, deep red, and striped and blotched. Pkt. 5c.

MIXED COLORS AND VARIETIES.—Contains a fine assortment of colors and is always satisfactory. Pkt. 3c.



8 SUPERB PLANTS 75c

- No. 1—Blue Beauty Geranium 25c
- No. 2—Carmelia Vine 15c
- No. 3—Plumbago Capensis 15c
- No. 4—Double Nasturtium, 15c
- No. 5—Blue Marguerite 10c
- No. 6—Pres. Carnot Rose 15c
- No. 7—Asparagus Sprengeri 15c
- No. 8—Egyptian Papyrus 15c



IOWA COLLECTION

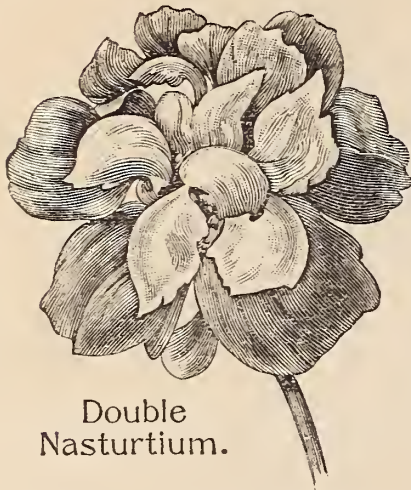
- No. 1—Giant Antirrhinum 10c
- No. 2—Hearts Delight Sweet Peas 5c
- No. 3—Giant Carmine Aster 10c
- No. 4—Oriental Beauties Dianthus 10c
- No. 5—Caprice Nasturtium 10c
- No. 6—Golden West Eschscholtzia 10c
- No. 7—Early Dawn Cosmos 5c

7 PACKETS FOR 30c



Total..... \$1.25

FLOWER PLANT NOVELTIES.



Double
Nasturtium.

Our flower plant department receives increased attention every year and we are not only adding to our greenhouse capacity, but we are searching the world over for new and improved varieties. The collection represented this year on this colored plate contains choice novelties which every flower lover should try, and we have made the price very low.

BLUE BEAUTY GERANIUM.—Introduced by us last spring and we could not supply the demand; everyone wanted it. Beautiful violet or purplish crimson, with vermilion red center. See description on page 54. Each 25c, 5 for \$1.00.

CAMELIA VINE.—One of the most beautiful of all vining plants. Flowers are of a handsome rosy pink and perfectly double. More fully described on page 54. Everyone should try this excellent hardy climber. Each 15c, doz. \$1.50.

PLUMBAGO CAPENSIS.—No plant in our greenhouse has caused more exclamations of delight than these beautiful heavenly blue Plumbagos. They are most excellent pot plants, flowering freely at all times of the year. South of Central Missouri they are hardy in the open ground, and make desirable garden plants. Flowers are borne in large clusters and are exceedingly beautiful in color. They are of very easy culture, growing in any situation as freely as Geraniums. In fact few pot plants can be found that will prove so easy to manage, and furnish such an abundance of exceedingly handsome flowers. Blossoms have long tubes and are borne in immense clusters. They are of a rare shade of light azure blue. Each 15c.

DOUBLE NASTURTIUM.—Did you ever see one? Very few people have, but we have a fine lot of them this year and are offering them at a low price. It is a most charming novelty which it is really difficult to properly describe. The flowers are large and fully double like a Camelia or Rose which gives them a very different appearance from any others. They have a rich spicy fragrance and are of a rich dark orange crimson with shading of deep mahogany red.

BLUE MARGUERITE DAISY.—The old White Marguerite has been for years one of the most popular flowers for ladies corsage bouquets, and we sell thousands of the plants every spring. This plant is fully equal to it in every way, producing great numbers of flowers which are of a beautiful heavenly blue color. It is desirable for out-door beds or winter blooming in the house. Each 10c, doz. \$1.00.

PRESIDENT CARNOT ROSE.—A magnificent new Hybrid Tea Rose of the greatest promise, and we consider it one of the daintiest and most charming roses in cultivation. Its color is a soft, creamy fawn, overlaid with the most delicate shade of pink. As the rose expands it discloses a heart of the most exquisite blending of cream and glowing pink imaginable. The shape of the bud is full and pointed, while the rose as it expands seems to grow more and more beautiful the tinting growing more pronounced as it approaches the center, while the petals curl and expand in a bewildering manner. Its fragrance is delicious (that is the only word which will do), it is a vigorous sturdy grower and free bloomer. Each 15c, 4 for 50c.

It is not a freak with a few small insignificant flowers, but a really good double flower 2 to 2½ inches across, which will instantly attract the attention of everyone who sees them. Plant is a strong vigorous grower of climbing habit, and fine for trellises, window boxes, vases, etc. It is a constant bloomer all summer and fall, and if taken in the house is an excellent winter bloomer also. Never produces seed. Our cut was made from a flower left on the plant out doors very late in the season and does not do justice to it as the flower is usually so double that the petals lay more flat and overlap each other. Each 15c, 4 for 50c.

ASPARAGUS SPRENGERI.—Anyone who desires a beautiful, showy, and still delicate and attractive plant for a jardiner in the house or for a vase or hanging basket, cannot fail to be pleased with this plant which is described on page 55. It is as easily grown as any plant we know of, always satisfactory, and highly decorative. Each 15c.

EGYPTIAN PAPYRUS.—See page 55. Each 15c, 4 for 50c.

SPECIAL OFFER.—One strong plant each of the above eight varieties, sent by mail postpaid for only 75 Cents.

Flower Seed Novelties.

NEW GIANT FLOWERED SNAPDRAGON.—The old Snapdragon or Antirrhinum was always a popular garden flower, but during the past few years but little attention has been paid to it. With the advent of this remarkable new mammoth flowered variety however, we predict that it will again become quite popular. It is a most remarkable improvement on the old variety, the flowers being of immense size and produced in long spikes which follow each other in a constant succession of bloom, beginning about eight weeks after seed is sown and continuing until late in the fall, if flowers are cut frequently. Cuttings can then be made which will root readily and bloom all winter. In fact no novelty in the greenhouse attracts more attention. It is a perpetual bloomer, compact and branching in habit, sending up flower spikes by the dozen, one to two feet in length, almost as large and more beautiful than Gladiolus. Flowers keep two weeks after being cut. It has created a sensation in the New York flower market. The colors consist of many shades of crimson, scarlet, white, lilac and yellow, beautifully tinted, blotched, spotted and penciled, the colors blending, and at the same time contrasting in an indescribable manner. The flowers are deliciously fragrant. It is of the easiest culture, growing readily from seed sown in open ground, is readily transplanted into rows or borders, and thrives in any ordinary soil. The children are always interested in making the dragon's mouth open by pressing their fingers on the sides of the throat and making it snap. As the season draws to a close let a few of the plants ripen their seed pods and then see the dragons which have changed into queer elfish faces like laughing monkeys, with eyes, nose and mouth in many wonderful variations. Hours of pleasure can be had from a bed of these attractive flowers. Try them this year. Per pkt. 10c.

HEART'S DELIGHT SWEET PEAS.—In testing the many new varieties of sweet peas from Europe and all parts of this country we find a large number of kinds which are really desirable, but still not of sufficient improvement so that we can give them a place in our brief catalogue list; most of them being little changes or odd freaks which have been perpetuated. Our customers will, however, find much to interest them and we have decided to offer this trial grounds mixture under the above name. If you like to watch the growth and development of charming flowers be sure to try a good long row of the Heart's Delight mixture. Pkt. 5c, oz. 15c, ¼ lb. 30c.

GIANT CARMINE COMET ASTER.—We were greatly impressed with the appearance of this charming new variety and want to share the pleasure with our customers. It is a sturdy, vigorous, upright growing plant about 18 inches high, bearing large numbers of beautiful large flowers about 4½ inches in diameter, and of handsome deep carmine color. Petals are long, narrow, and somewhat twisted, giving it a ball-like appearance. The flowers are produced on long stems, borne well above the foliage, and in looking at the plant from above it appears to be a solid mass of bloom. A bed of this variety will make a grand showing and we are sure everyone will be pleased with it. Per pkt. 10c.

GOLDEN WEST ESCHSCHOLTZIA.—This grand novelty originated with Mrs. Shepherd, of California, who is known the world over as one of the best flower seed specialists. The common Eschscholtzias are usually about 2 inches in diameter, but this giant flower ranges from 3½ to 6 inches across, with wide overlapping petals often delicately waved at the edge. It is of a rich golden yellow color, some specimens having a dark orange blotch in the center which occasionally suffuses the whole flower. Sometimes the blotch is of maltese cross shape and other flowers are elegantly penciled and veined. It is truly gorgeous beyond description. Per pkt. 10c.

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

ORIENTAL BEAUTIES DIANTHUS.—See page 53. Per pkt. 10c.

EARLY DAWN MIXED COSMOS.—See page 51. Per pkt. 5c.

Iowa Collection. Consists of the 7 packets named above and shown on our colored plate, for only 30 cents postpaid.



FLOWER
AND CURIOUS
SEED PODS
OF THE NEW
GIANT
FLOWERED
ANTIRRHINUM

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. The following are the best varieties.

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 blotched with purplish carmine and marked with bright carmine veining. Pkt. 5c, oz. 25c.

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

LADYBIRD.—Of dwarf, neat compact habit of growth. Flowers rich golden yellow, each petal barred with bright ruby crimson. Pkt. 5c, oz. 30c.

KING THEODORE.—The darkest color known in the nasturtiums, deepscarlet maroon. Pkt. 5c, oz. 25c.

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

BEAUTY.—An extra fine dwarf variety, having handsome scarlet flowers splashed with canary yellow. Pkt. 5c, oz. 25c.

GAY AND FESTIVE.—A new and greatly improved strain of dwarf nasturtiums from California, showing a most charming and very beautiful.

IMPERIAL MIXED NASTURTIUMS.—Flowers unusually large and very beautiful. Thirty distinct varieties mixed. Per pkt. 10c, oz. 35.



IMPERIAL MIXED NASTURTIUMS.—Flowers unusually large and very beautiful. Thirty distinct varieties mixed. Per pkt. 10c, oz. 35.

IMPERIAL MIXED.—Includes about twenty of the dwarf varieties, selected from both American and foreign growers. The varieties are so selected that the colors harmonize beautifully and delight flower lovers, as they are of neat, compact habit of growth, and bloom freely when planted in beds, producing a mass of colors. Pkt. 5c, oz. 20c.

CHAMELEON.—The flowers of this new Tom Thumb nasturtium are in color crimson, bronze and gold, bordered and flamed, changing in hue almost daily, hence named "Chameleon." Pkt. 10c, oz. 35.

CLOTH OF GOLD.—Foliage is of a clear bright yellow. The plant is of dwarf, compact habit; flowers scarlet. Pkt. 7c, oz. 25c.

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

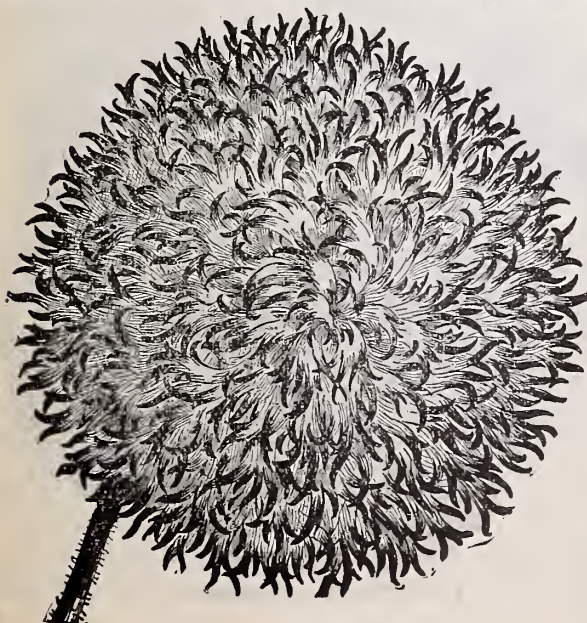
OENOTHERA.

(Evening Primrose.)

An interesting half-hardy annual, opening its flowers toward evening with a snap that is sure to attract attention, especially of the children. Mixed colors. Pkt. 6c.

PERILLA.

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



BRILLIANT POPPY.



CHAMELEON NASTURTIUM.

COPYRIGHTED
1892
BY W.A.B. & C.



EMPRESS OF INDIA.

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.

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

MADAM GUNTER'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. 30c.

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

Flower Lovers

Be sure to notice the many

Novelties

in Flower Seeds on the colored pages of this catalogue; also our Flower Plant and Bulb Department, beginning on page 76, and the hardy plants on pages 88 to 92. If for any reason you were dissatisfied with plants purchased from us last year please write, as we are not only willing but anxious to please every customer.

POPPIES.

This grand old flower has kept pace with the march of improvement, and now comes around and surprises us with its new forms, new sizes and new colors.

BRILLIANT.—Of very strong, robust growth. The flowers present a variety of bright colors; pure white, scarlet, rose, purple and various other shades. The ends of the petals or fringes are of a deeper tint than the rest, and are so bright as to be dazzling to the eye. Pkt. 10c.

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

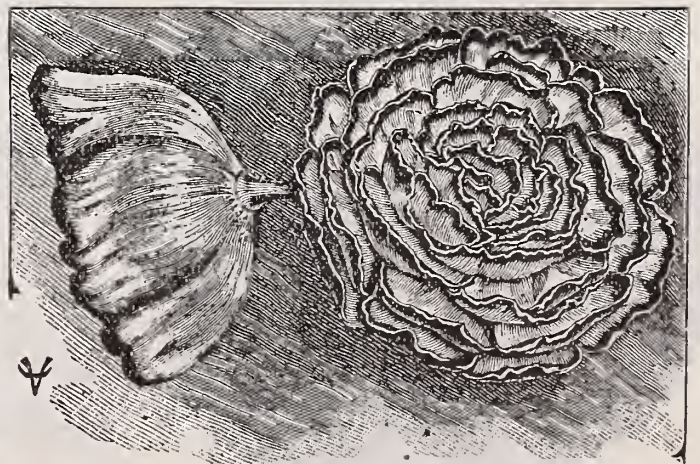
FAIRY BLUSH.—Flowers perfectly double, and measure from ten to thirteen inches in circumference. The petals are elegantly fringed and pure white, tipped with rosy cream. Pkt. 8c.

AMERICAN FLAG.—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, which should be very popular. Pkt. 5c.

GIANT NANKINENSIS YELLOW.—A superb new poppy. It is a vigorous grower, the flowers borne in constant succession for a long season, on erect, strong stalks; the nearest approach to yellow in poppies. Pkt. 5c.

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.



AMERICAN FLAG POPPY

—A splendid assortment of the best double carnation-flowered sorts. The most popular variety, and will make an attractive bed. 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 are a specialty with us, and we use the greatest care in growing, selecting and importing the best strains of these universal favorites. 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. Circular giving 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 and 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. 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 peculiar shade seen only in the feather of the peacock, a beautiful ultra-marine blue. The petals are edged with a thin white line, within which it is a purplish crimson, passing into a rich central blotch of deep blue, shading to black. 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 of a bright red, of a really fiery shade, warranting the name of Fire King. Pkt. 10c.

CASSIER' GIANT ODIER.—The flowers, of immense size, are of the popular Odiar type, being all three spotted or five-spotted on back-grounds 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.

IMPERIAL 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.

GIANT TRIMARDEAU.—An altogether distinct and beautiful class of pansy, the flowers of which are of very large size some have measured four inches in diameter. Each flower is marked with three large blotches or spots, and stands well above the foliage. Choice mixed colors. Pkt. 10c.

LORD BEACONSFIELD.—Fine, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.

GIANT BUGNOT.—This is one of the finest strains of pansies in existence. The flowers are of enormous size, perfectly round, of great substance and of the most varied and attractive markings and colors; each petal bears a blotch that runs out in delicate veins to the edge of the petal. Pkt. 20c.

VIOLET SCENTED PANSY.—This new type is a cross between the pansy and the violet, combining the ideal properties of each. Flowers are much larger than the violet, more like pansies, but with the delicious fragrance of the former. Range of color runs through white, buff, canary and azure-blue, and the coloring of each is exceedingly delicate and charming. Pkt. 15c.

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 consists of a grand assortment from the world's leading growers. Here will be found the beautiful German pansies, with their rich, soft, velvety colors; the lovely striped and mottled pansies from Belgium, which contrast so strongly with all others;

the face pansies of England, in which one can almost see the human face because of their peculiar spottings; the self colors of Switzerland are very attractive because of their pure coloring; the fancy show pansies of Scotland, of bright, contrasting colors and rare spotting, flaking, feathering and edging; the mammoth pansies of France, which have been grown to the enormous size of four inches in diameter, and are decidedly showy; and also the many choice American strains, which are mainly made up by selecting and crossing the foreign sorts. If you like pansies you must have the International mixture. Per pkt. 20c, ¼ oz. \$3.00, oz. \$10.00.

LARGE FLOWERING MIXED.—A choice mixture of large sorts. Pkt. 7c. oz. \$2.75.

FINE MIXED.—This contains many good sorts. Per pkt. 5c oz. \$1.00.

QUADRICOLOR.—Beautiful mottled blue. Pkt. 8c.

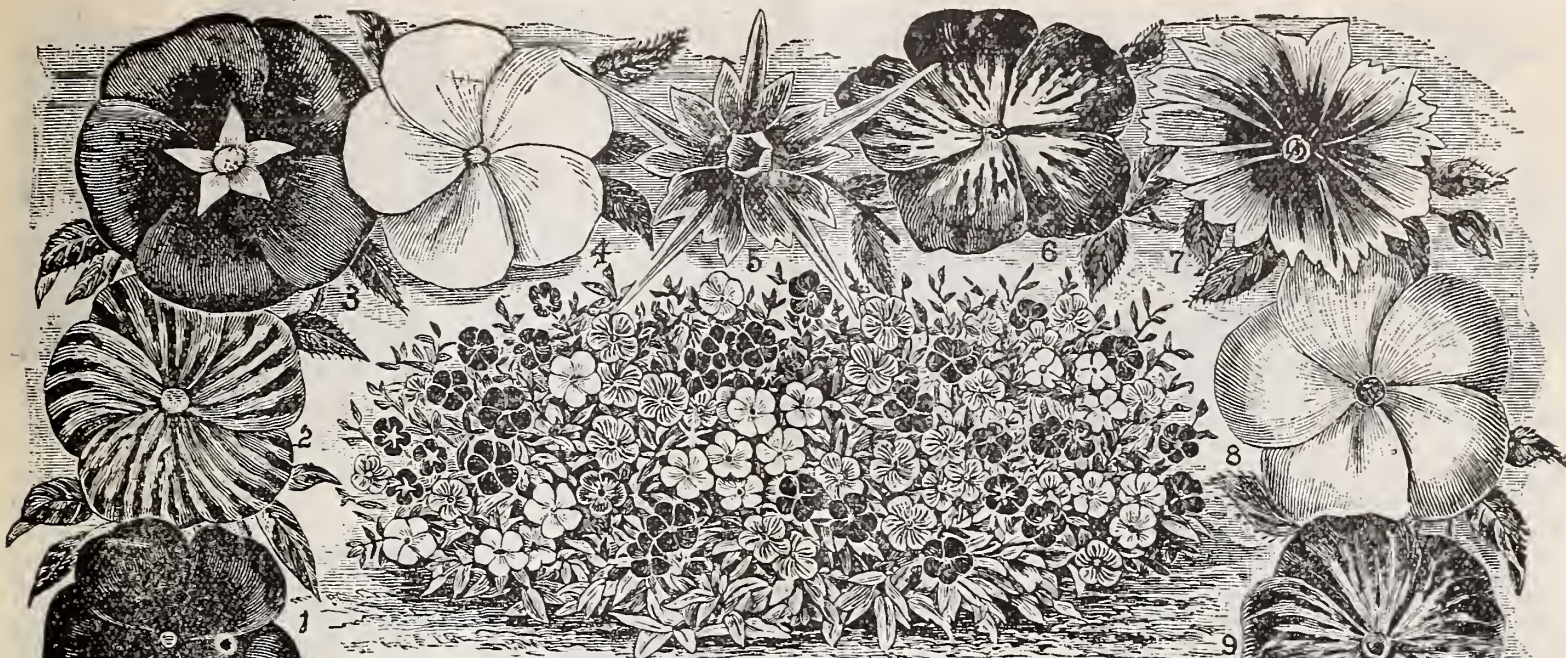
COLLECTION.—One packet each of above 20 sorts for \$1.50.



SPECIMEN INTERNATIONAL PANSY.



MAMMOTH BUTTERFLY.



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 varieties 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.

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

STELLATA CARMINEA.—(No. 3.) Very handsome carmine flowers, with pure white star-like eye. 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 edge of the petals. Pkt. 10.

SUNRISE.—(No. 6.) Beautiful, rosy crimson, shaded carmine, with light center. 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; or 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.

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

DOUBLE PEARL. A grand variety 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. It is very pretty, and will prove a splendid acquisition for bouquet work. Pkt. 10c.

GRANDIFLORA MIXED.—This special large flowering strain has been selected with great care for many years until we now have an ideal flower, of immense size and for beauty of colors they are unsurpassed. 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. 8c.

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

Phlox Collection. One packet each of the above varieties, making a grand assortment for only 50c.

PERENNIAL MIXED.—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

I have used your seed for a number of years and have always had good results.—Mrs. Ernest Koepke, Eagleton, Wis.



IOWA SEED CO.'S SINGLE AND DOUBLE PETUNIAS.

PETUNIAS.

Surely there is no garden complete without a bed of elegant petunias. They commence flowering early and continue a mass of bloom throughout the whole season, until killed by frost; easily cultivated, requiring rich soil and a sunny situation. Of late years the single striped, mottled and double varieties have been greatly improved, and the cut above gives but a faint idea of their great variety and beauty. The double varieties require more care and should be started in the house.

GRANDIFLORA MIXED.—Very large, elegant flowers; a great improvement and fully twice the size of the old sorts, with the most beautiful shades of crimson, white, rose, maroon, etc., blotched, striped, veined, bordered, marked and fringed. Pkt. of 200 seeds 10c.

GIANT FANCY FLOWERING.—A grand new strain; and the most beautiful of all. Unquestionably the finest selection of petunias in existence. Of enormous size (4 to 5 inches across), and exquisitely ruf-



DOUBLE PEARL PHLOX.

fied and fringed; of colors, markings, veinings, blotchings and stripings in the most grotesque and beautiful combinations. If you like beautiful petunias include this in your order. Pkt. 20c.

FINE MIXED.—Best of older sorts, carefully mixed. Contains some extra fine striped and blotched varieties. Pkt. 3c.

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

CHINESE PRIMROSE.

One of the most desirable plants for growing indoors, being in almost constant bloom all winter, and if they are transferred to the border, they will bloom nearly all summer. Though perennial, new plants flower more freely, and seed should be sown every year. Start under glass; Mixed colors. Pkt. 15c.

PLATYCODON

Also Called, Wah-lenbergia.

Is of wonderful beauty and attracts much attention on our seed farm. It is a perennial plant blooming the first year from seed, which should be sown early in open ground. Blooms very profusely and continuously all summer, if flowers are removed as soon as they begin to fade. The flowers are of large size, being 2½ to 3 inches in diameter, and the various shades of light blue, lavender and white. Plants increase in size from year to year and are sure to please. Our seed is saved from the best grandiflora varieties. Pkt. 7c.



PASSION FLOWER.

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, pink and white, which is beautiful, very large and showy, of a feathery and velvet like appearance. Vines begin to throw out blossoms when only one or two feet high, followed in the fall by beautiful golden fruit about the size of a hen's egg. If left in the open ground in winter it must have some protection. Pkt. 7c.



PASSION FLOWER.

PYRETHENUM.

GOLDEN FEATHER.—Beautiful golden leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

ROSEUM.—It is from this the *Persian Insect Powder* is made. Flowers large, yellow and rose colored; handsome. Pkt. 8c.

RHODANTHE.

MACULATA.—One of the finest and most beautiful of the many varieties of everlasting. The flowers are of various colors. For winter bouquets the blossoms should be gathered before fully expanded, and if dried in the shade will retain their brilliancy for years. Rosy crimson with bright yellow center. Pkt. 5c.

SWEET SULTAN.

An old garden favorite which has been greatly improved during the past few years, blossoms being 2½ to 4 inches across, of graceful airy effect. Very fragrant and fine for bouquet work. Mixed colors. Pkt. 5c.

RICINUS.

Castor oil plant. Stately foliage plants. Make a very handsome appearance on the lawn singly; also fine for clumps or ornamental hedges. Is said to keep 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 reddish maroon, covered with a bright bronzy lustre, 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 unexcelled as a decorative plant for lawn or garden. Seed will always be scarce and high. Pkt. of 10 seeds 10c.



CAMBOGIENSIS RICINUS.

LANZIBAR-ENSIS.—Grows to a height of 12 to 14 feet, with leaves two to nearly four feet across. A handsome specimen plant for lawns. Per pkt. 5c.

SANGUINEUS TRICOLOR.—Blood red stalk; very attractive. Pkt. 5c.

COMMON.—Pkt. 3c, oz. 10c.

ALL VARIETIES MIXED. Pkt. 4c.

SALPIGLOSSIS.

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, and bearing throughout the season large flowers three to four inches across, of many beautiful colors. Sometimes called Painted Tube Tongue.

NEW VARIVEINED.—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 mottled; blooms all summer and till severe frost. Pkt. 2c.

FINE MIXED.—Pkt. 5c.



PORTULACA.

GRANDIFLORA SINGLE MIXED.—This old favorite is brightest in the hot, dry weather, when other flowers are drooping. They are of almost every conceivable shade of color, and will make one of the brightest spots in the garden. Large flowered. A splendid mixture. Pkt. 3c.



DOUBLE PORTULACA.

DOUBLE PORTULACA. each of its numerous branches carrying a medium sized, densely double, globe-shaped flower of rich, deep, golden yellow color, being veritable globes 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 garden. Pkt. 7c.

SILVER LEAVED.—But few who see this splendid new plant would imagine that it was a sunflower.

It grows three or four feet high, forming a perfect pyramid. The leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. The flowers are a clear golden yellow, three to four inches across, with small dark brown centers. Early in the morning while covered with dewdrops it is really magnificent. Pkt. 5c.

PEERLESS MIXED.—Is a splendid assortment of fifteen of the best varieties grown together on our grounds. It includes some which are both curious and desirable. Pkt. 5c, oz. 15c.

MAMMOTH RUSSIAN.—Largest of all. Pkt. 5c, lb. 25c.

BLACK GIANT.—Pkt. 5c.

WHITE BEAUTY.—Pkt. 5c.



GLOBE OF GOLD SUNFLOWER.

DOUBLE MIXED.—Very handsome, double as a rose, and contains a color and shading unknown in the single. Our seed is extra choice and will produce sixty to seventy-five per cent of flowers as double as the most perfect rose. Pkt. 10c.

SUNFLOWER.

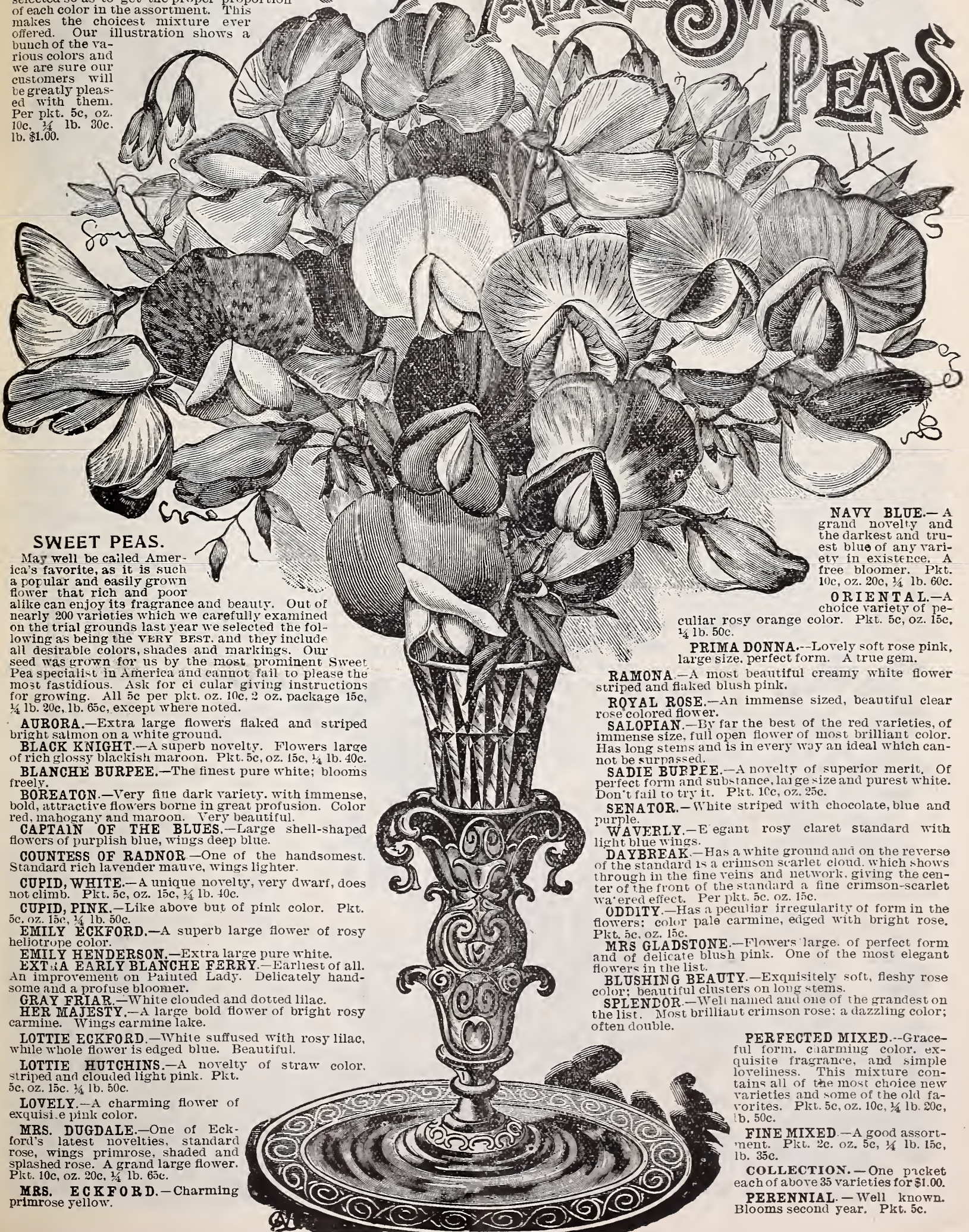
Some varieties of this well known plant are very ornamental, and are effective in proper situations, in large shrubby borders or as screens.

GLOBE OF GOLD.—A dwarf, well branched plant growing only about three feet high, and

Imperial Mixed.

Sixty of the best varieties carefully selected so as to get the proper proportion of each color in the assortment. This makes the choicest mixture ever offered. Our illustration shows a bunch of the various colors and we are sure our customers will be greatly pleased with them. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 30c. lb. \$1.00.

Imperial Mixed Sweet PEAS



SWEET PEAS.

May well be called America's favorite, as it is such a popular and easily grown flower that rich and poor alike can enjoy its fragrance and beauty. Out of nearly 200 varieties which we carefully examined on the trial grounds last year we selected the following as being the VERY BEST, and they include all desirable colors, shades and markings. Our seed was grown for us by the most prominent Sweet Pea specialist in America and cannot fail to please the most fastidious. Ask for circular giving instructions for growing. All 5c per pkt. oz. 10c, 2 oz. package 15c, $\frac{1}{4}$ lb. 20c, lb. 65c, except where noted.

AURORA.—Extra large flowers flaked and striped bright salmon on a white ground.

BLACK KNIGHT.—A superb novelty. Flowers large of rich glossy blackish maroon. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

BLANCHE BURPEE.—The finest pure white; blooms freely.

BOREATON.—Very fine dark variety, with immense, bold, attractive flowers borne in great profusion. Color red, mahogany and maroon. Very beautiful.

CAPTAIN OF THE BLUES.—Large shell-shaped flowers of purplish blue, wings deep blue.

COUNTESS OF RADNOR.—One of the handsomest. Standard rich lavender mauve, wings lighter.

CUPID, WHITE.—A unique novelty, very dwarf, does not climb. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 40c.

CUPID, PINK.—Like above but of pink color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

EMILY ECKFORD.—A superb large flower of rosy heliotrope color.

EMILY HENDERSON.—Extra large pure white.

EXTRA EARLY BLANCHE FERRY.—Earliest of all. An improvement on Painted Lady. Delicately handsome and a profuse bloomer.

GRAY FRIAR.—White clouded and dotted lilac.

HER MAJESTY.—A large bold flower of bright rosy carmine. Wings carmine lake.

LOTTIE ECKFORD.—White suffused with rosy lilac, while whole flower is edged blue. Beautiful.

LOTTIE HUTCHINS.—A novelty of straw color, striped and clouded light pink. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

LOVELY.—A charming flower of exquisite pink color.

MRS. DUGDALE.—One of Eckford's latest novelties, standard rose, wings primrose, shaded and splashed rose. A grand large flower. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 65c.

MRS. ECKFORD.—Charming primrose yellow.

NAVY BLUE.—A grand novelty and the darkest and truest blue of any variety in existence. A free bloomer. Pkt. 10c, oz. 20c, $\frac{1}{4}$ lb. 60c.

ORIENTAL.—A choice variety of peculiar rosy orange color. Pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 50c.

PRIMA DONNA.—Lovely soft rose pink, large size, perfect form. A true gem.

RAMONA.—A most beautiful creamy white flower striped and flaked blush pink.

ROYAL ROSE.—An immense sized, beautiful clear rose colored flower.

SALOPIAN.—By far the best of the red varieties, of immense size, full open flower of most brilliant color. Has long stems and is in every way an ideal which cannot be surpassed.

SADIE BURPEE.—A novelty of superior merit. Of perfect form and substance, large size and purest white. Don't fail to try it. Pkt. 10c, oz. 25c.

SENATOR.—White striped with chocolate, blue and purple.

WAVERLY.—Elegant rosy claret standard with light blue wings.

DAYBREAK.—Has a white ground and on the reverse of the standard is a crimson scarlet cloud, which shows through in the fine veins and network, giving the center of the front of the standard a fine crimson-scarlet watered effect. Per pkt. 5c, oz. 15c.

ODDITY.—Has a peculiar irregularity of form in the flowers; color pale carmine, edged with bright rose. Pkt. 5c, oz. 15c.

MRS GLADSTONE.—Flowers large, of perfect form and of delicate blush pink. One of the most elegant flowers in the list.

BLUSHING BEAUTY.—Exquisitely soft, fleshy rose color; beautiful clusters on long stems.

SPLENDOR.—Well named and one of the grandest on the list. Most brilliant crimson rose; a dazzling color; often double.

PERFECTED MIXED.—Graceful form, charming color, exquisite fragrance, and simple loveliness. This mixture contains all of the most choice new varieties and some of the old favorites. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 20c, lb. 50c.

FINE MIXED.—A good assortment. Pkt. 2c, oz. 5c, $\frac{1}{4}$ lb. 15c, lb. 35c.

COLLECTION.—One packet each of above 35 varieties for \$1.00.

PERENNIAL.—Well known. Blooms second year. Pkt. 5c.

STOCKS.

Sometimes called Gilliflowers. These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so 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.—Of strong growth, fine branching habit, and, if sown early, will bloom from May until November. Flowers very large and pure white, and the more often they are cut the better they like it. Deliciously fragrant. Pkt. 10c.

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

SMILAX.

Much used for winter decorations; the seeds start slowly and should be planted in the loose, rich soil, and kept moist and warm. Pkt. 8c.

SAPONARIA.

An old-fashioned perennial with pink flowers. Often called *Bouncing Betsey*. Pkt. 5c.

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.



PERPETUAL WHITE STOCKS.

THUNBERGIA.

(*Black-Eyed Susan*.)—Beautiful, rapid-growing climbers, thriving in a light, rich, loamy soil, in warm situations in the garden. The flowers are very pretty, and are borne profusely during the season. Fine for vases, rustic work, or greenhouse culture. Half-hardy annual. Mixed colors. Pkt. 5c.

VINCA.

(*Periwinkle*.)—A class of very pretty, free-flowering perennials with shining green foliage and beautiful flowers. May be set out in the garden in a warm situation during the summer and autumn months. Pot and take indoors before frost; perennials. Fine mixed. Pkt. 5c.



SWEET WILLIAM.

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.

WHITLAVIA.

Delicate and pretty, but perfectly hardy plants, with drooping clusters of bell-shaped flowers. They thrive in cool, moist situations; free bloomers and for partially shaded places they are very desirable. Mixed colors. Pkt. 5c.



SENSITIVE PLANT.

SCABIOSA

OR MOURNING BRIDE.—One of our handsomest summer border plants, producing in great profusion very double flowers in a variety of shades and colors; a splendid flower for table bouquets, etc. Best double dwarf varieties mixed. Pkt. 4c.



SCABIOSA.



SALVIA.

SALVIA.

SPLENDENS.—One of the most brilliant of flowers; it thrives in any light, rich soil; often called flowering sage. Free bloomers. A brilliant scarlet. Very fine. One of the most satisfactory of all bedding plants. Pkt. 10c.



CENTURY MAMMOTH VERBENA.

VERBENA.

The verbena is deservedly a universal favorite, unrivaled in the splendor of its dazzling brilliancy of flower. A constant bloomer and if grown from seed has a sweet fragrance. Treat as tender annuals. Plant seed in boxes, or under glass in March, and transplant when a few inches high. In this way the verbena can be grown from seed as early as any annual, and will produce much stronger plants than cuttings. Seed sown in the open ground will flower in August.

NEW CENTURY MAMMOTH.—Most beautiful colors, largest flowers and largest truss of any verbena, and it is a variety which will please everyone. When well grown every flower truss measures over nine inches in circumference, while the single florets are as large as a twenty-five cent piece; more vigorous in growth than the ordinary verbena. Contains a great assortment of colors, the above illustration showing a flower of dark scarlet with white eye. Our artist has attempted to portray some of the leading colors on the front cover of this catalogue, but it is difficult to do them justice. Pkt. 15c.

CANDIDISSIMA.—Large trusses of pure white flowers; beautiful. Pkt. 6c.

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.

VIOLA.

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

TORENIA.

FOURNIERI.—Beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant, but not hardy. Pkt. 10c.



WISTARIA.

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 flowers produced in great profusion. Pkt. 10c.

WALLFLOWER.

Greatly prized for their exquisite fragrance. They grow in long, brilliant 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.—Our mixture contains a great assortment of the best single and semi-double varieties. Pkt. 3c.



WALLFLOWER.



WILD CUCUMBER.

WILD CUCUMBER.

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

ZINNIA.

Strong growing, hardy and elegant plants, rivaling the dahlia in size and doubleness. While the colors are bright and varied, ranging from pure white to deep, purplish crimson. Splendid for hedges, beds or borders.

PIGMY or LILLIPUT.—This strain is the acme of beauty and perfection in zinnias. Plants small and of bushy growth, each one bearing scores of beautiful little blossoms of the most perfect shape and brilliant colors, from pure white to very dark orange purple, crimson and vermilion. These charming little zinnias are gems indeed and should be in every garden. Mixed colors. Pkt. 7c.

CURLED AND CRESTED.—A most unique and charming new variety with petals oddly curled and crested in fantastic contortions and graceful forms. Flowers large, double, and the peculiar shape of petal relieves the flower from stiffness. Many colors. Pkt. 5c.

FINEST DOUBLE MIXED.—Pkt. 3c.

NEW ZEBRA.—Beautifully and brilliantly striped with rich colors. There are always some plants which do not produce striped flowers. Very handsome. All colors mixed. Pkt. 5c.

XERANTHEMUM.

Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.



OTHER STANDARD FLOWER SEEDS.

For lack of space the following desirable varieties of flower seeds were omitted from the foregoing descriptive list.

	PER PKT.		PER PKT.
AMPELOPSIS. —(Boston Ivy.) Good clinging wall plant.....	10	FEVERFEW. —Handsome double white flower.....	5
BRYONOPSIS. —A hardy climbing annual with ivy-like foliage...	5	GILIA. —Free-flowering, hardy annuals, with finely cut foliage and clusters of small, delicate flowers white, lilac and rose colors; desirable for cutting and suitable for beds, rock work and edges.....	5
CACTUS. —Fine mixed varieties.....	10	GLOBE AMARANTH. —"Bachelor's Buttons." Mixed colors.....	5
CANTERBERRY BELLS. —Single and double mixed colors.....	5	GLOXINIA. —Greenhouse plants. Brilliant flowers. Mixed.....	25
CUPHEA. —Platycentra.—(Cigar Plant.) Bright scarlet.....	15	GOURDS. —All varieties mixed. Many handsome oddities.....	5
CYCLAMEN. —Persicum.—A handsome greenhouse plant.....	15	GYPSOPHILA, OR ANGEL'S BREATH. —Elegans—An annual that should be in every garden, for it thrives everywhere, and furnishes the loveliest material for all kinds of bouquets. The tiny little flowers are borne in abundance, on long, graceful, branching stems.....	5
DELPHINIUM. —(Perennial Larkspur.) Mixed.....	5	LINUM. —(Flowering Flax.) Showy annual. Scarlet flowers.....	5
DOLICHOS, OR HYACINTH BEAN. —This is really a very desirable climbing plant as it is one of quick growth. The foliage is dense and handsome, the flowers abundant and pretty and the seed pods large and of a shining purple color. Mixed colors. Pkt.....	5	LUPINUS. —Bright colored flowers. Fine bedding plant.....	5
EUPHORBIA HETEROPHYLLA. —Known as "Fire on the Mountain," or "Mexican Fire Plant." An annual; bushy plants, three to four feet high, with highly ornamental leaves, which become flared with dark fiery-scarlet, leaving only a small tip of green.....	10	MARTYNIA. —(Devil's Claws.) Gloxinia-like flowers.....	5
EUPHORBIA MARGINATA. two feet in height; leaves light green and white margined; called "Snow on the Mountain".....	5	OXALIS. —Exceedingly free-flowering little plants with lively foliage, and covered with bright flowers from June to September. Very useful for edgings. Choice mixed.....	5
FERNS. —Fine mixed varieties.....	15	SCARLET RUNNER BEAN. —Dark scarlet flowers and pods....	5
		VENUS' LOOKING GLASS. —Handsome for masses. Double.....	5

SPECIAL MIXTURES OF FLOWER SEEDS.

Many persons derive pleasure from watching the growth of a varied bed of flowers, entirely out of the usual trim garden style, while others desire a much more extended collection than their means will permit. To both of these classes the following special mixtures will appeal:

MIXTURE OF FRAGRANT ANNUALS.—Carefully made up from seeds of fragrant flowers only. A bed of these will give rich perfume throughout the day and evening, while some of them are also suitable for cutting. Pkt. 10c.

MIXTURE OF CLIMBERS.—This is a liberally filled packet of seed of many beautiful annual climbers, suitable for growing together. Pkt. 10c.

WILD GARDEN MIXTURE.—Over 400 kinds of such flower seeds as are suitable to be planted together; altogether forming a mass of bright colored flowers and beautiful foliage which is sure to interest and please. Our illustration will give some idea of the possibilities in growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible; plant in this latitude about the 1st of May. Pkt. 5c. oz. 35c.



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

LOW-GROWING ANNUALS.—This mixture contains seeds of a great variety of low growing annuals, few of which exceed four to six inches in height, and which, sown in beds or borders, present the appearance of Turkish rugs, carpeting the ground in their wide range of colorings and forms. Pkt. 10c.

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

FLOWERS FOR BOUQUETS.—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden, this will furnish a constant supply of cut flowers. Pkt. 10c.

MIXED EVERLASTINGS.—A grand assortment of all sorts of everlasting flowers, suitable for bouquets, etc. Pkt. 10c.

MIXED GRASSES.—A mixture of the ornamental grasses suitable to grow in masses. Makes a striking as well as useful collection. Valuable for making up into winter bouquets. These should be cut just as they come into bloom and dried in the shade. Very useful for working up with the everlastings into winter ornaments; they lend a grace and beauty not obtainable without them. Pkt. 5c.

All of the above mixtures are carefully prepared from choice fresh seeds, and cannot fail to give satisfaction. The packets are liberally filled, and in no other manner can so many seeds be obtained at such light cost.

FLOWER BULBS.

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

DISCOUNTS.—Your selection of bulbs to the amount of \$1.00 at catalogue prices will be sent postpaid for \$1.00 \$2.50 for \$2.00.

TUBEROUS ROOTED BEGONIAS.—Of all the introductions of recent years, none have received a heartier welcome than the giant-flowered, tuberous-rooted begonias which have been brought to wonderful perfection. These flowers sometimes grow six inches in diameter, are borne upright on stiff stems, and of the richest colors, embracing every shade of white, rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange. Tuberous begonias are well adapted to house culture and make splendid beds on the lawn. Choice double and single varieties mixed. Each 15c, doz. \$1.50.

APIOS, Tuberosa—A quick growing vine bearing lovely clusters of rich, deep purple flowers. Each 5c, doz. 40c.

CINNAMON VINE.—This beautiful climber possesses the rare quality of emitting from its flowers the delightful odor of cinnamon, and is very appropriately called the Cinnamon Vine. Perfectly hardy, the stem dying down every autumn, but growing again so rapidly as to completely cover any trellis or arbor very early in the season. With its beautiful heart-shaped leaves and clusters of delicate white flowers, and delicious cinnamon odor it is a most desirable climber. We furnish the large tubers, postpaid, for 10c, 3 for 25c, doz. 75c.



TUBEROUS-ROOTED BEGONIAS.

LITTLE GEM CALLA.—Beautiful little floral gem originated in the Guernsey Islands, and is in appearance a true miniature specimen of the old Calla, rarely growing over 10 to 12 inches high and commences to bloom when 6 to 8 inches. This is highly regarded in some places, but has not proved a good bloomer at our place. Each 15c, 3 for 40c.

MAMMOTH WHITE CALLA.—Largest flowering variety and most majestic. It is of perfect flowering form with large, tropical appearing leaves of bright green color and yielding throughout the season a profusion of superb white flowers. Monster bulbs, each 25c, 3 for 60c. Medium size, each 15c, 3 for 40c.

SPOTTED CALLA.—Leaves deep green, with numerous white spots, which give the plant a magnificent appearance. They grow freely in any soil. Can be planted out in the spring like a gladiolus, and blooms well during the summer. The flowers are pure white with a black center, and are very beautiful. Each 10c, 3 for 25c.

MADEIRA VINE.—A rapid growing vine, covering a large space in a short time. Fleshy, heart-shaped leaves of a light green, and numerous racemes, of feathery flowers of delicious fragrance. A beautiful and popular vine. Each 5c, dozen 40c.



SPOTTED CALLA.

CANNA.

These very handsome tropical-looking plants are unrivaled for fine effect on lawns.

Gloriosa.—The most glorious and magnificent flowered variety. Each 15c.

Italia.—Large foliage, deep green, bordered white; very large iris-shaped flowers, bright red, bordered with golden yellow. Belongs to what is called the orchid-flowered section. A grand novelty; 25c each.

Burbank.—An improvement on the Austria as it stands the sun better. Very large foliage and grand spikes of canary-yellow flowers, spotted in the throat with brownish-red. Each 15c.

Flamingo.—A superb, deep crimson variety with trusses of immense size. The individual flowers are 4 inches across, gracefully reflexed, and of fine, even rounded form. Each 25c.

Alcaee.—A grand new white variety and the first of this color. Everyone should try it. Each 20c.

Charles Henderson.—Rich, deep crimson. Heads large compact and symmetrical. Each 15c.

Florence Vaughan.—A most striking and beautiful yellow canna, spotted with bright red. Each 15c.

Chicago.—Of largest size; color a brilliant vermilion, inclined to orange. Erect trusses of bloom. Each 20c.

Madam Crozy.—Deepest vermilion red, gold bordered, a succession of closely filled trusses of flowers. Each 15c.

Pres. Farre.—Best of the bronze red leaved French varieties and desirable for bedding. Each 15c.

Robusta.—One of the older varieties having rather small flowers, but the plant attains immense size. Leaves dark bronze-red; tropical appearing. Each 15c.

MIXED VARIETIES.—15c each; \$1.25 per doz.



NEW FANCY CANNAS.



AURATUM LILY.

LILIES.

No class of plants capable of being cultivated out of doors possess so many charms; rich and varied in color; stately and handsome in habit, profuse in variety, and of delicious fragrance. They thrive best in dry, rich soil, where water will not stand in winter.

Coral Lily.—The flowers are a brilliant crimson, and have a peculiar waxy or coral-like appearance, quite distinct from all other flowers. Each 15c, 3 for 40c; doz. \$1.35.

Candidum.—The pure white garden or Easter lily; flowers snow white; hardy and free blooming. Each 15c, 3 for 40c.

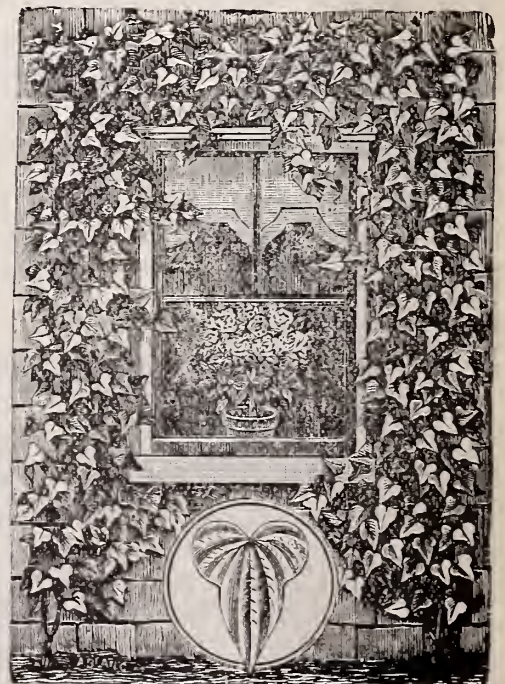
Auratum, or Japanese Gold-Banded Lily.—This is justly entitled to the name often given it—the Queen of Lilies—and it is decidedly the most beautiful of all lilies. The immense flowers are deliciously fragrant. The large white petals are thickly spotted with chocolate crimson and have a golden yellow band through the center. Succeeds everywhere. Each 20c, 3 for 50c.

Speciosum Album.—Large, pure white flowers of great substance and beautifully recurved. For garden or potting. Hardy. Each 15c, 3 for 40c.

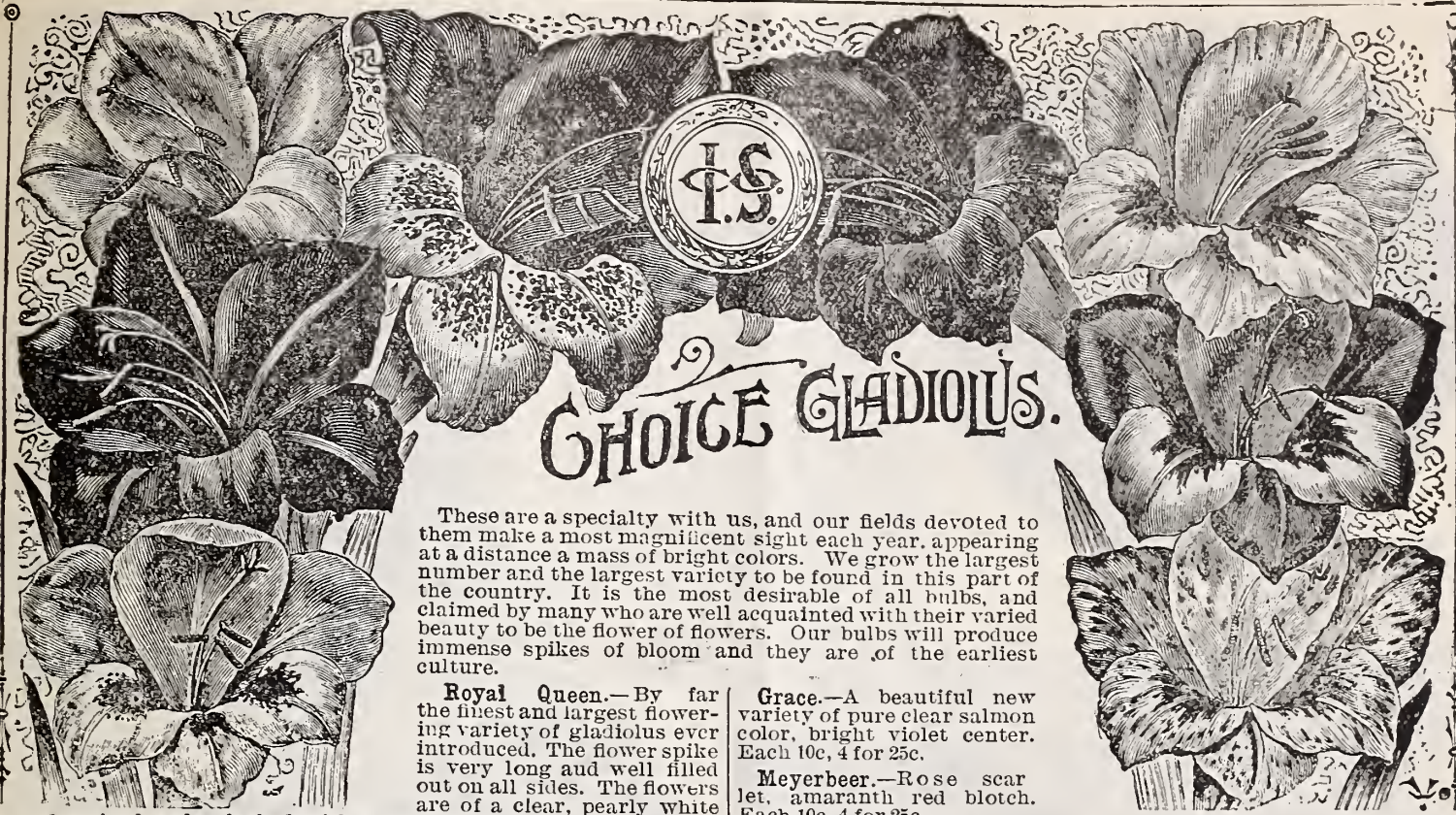
Speciosum Roseum.—White, stained and spotted rose. Very beautiful. Each 15c, 3 for 40c.

Lemon Lily.—Not a true lily as the bulb is of different shape. The flower is about 3 inches in diameter, clear lemon yellow. Each 20c, 3 for 50c.

Double Tiger Lily.—A double form of the old fashioned Tiger Lily; quite popular. Each 10c.



CINNAMON VINE.



CHOICE GLADIOLUS.

These are a specialty with us, and our fields devoted to them make a most magnificent sight each year, appearing at a distance a mass of bright colors. We grow the largest number and the largest variety to be found in this part of the country. It is the most desirable of all bulbs, and claimed by many who are well acquainted with their varied beauty to be the flower of flowers. Our bulbs will produce immense spikes of bloom and they are of the earliest culture.

Royal Queen.—By far the finest and largest flowering variety of gladiolus ever introduced. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearly white

Grace.—A beautiful new variety of pure clear salmon color, bright violet center. Each 10c, 4 for 25c.

Meyerbeer.—Rose scarlet, amaranth red blotch. Each 10c, 4 for 25c.

Salmon Pink.—A handsome new variety of pure salmon pink color. Attractive. Each 10c, 4 for 25c.

Carrie.—Good sized spike and flower. The nearest purple known in gladiolus. Each 10c, 3 for 25c.

Pyramid.—Perfect spike, flowers large, well expanded and of a delicate orange-rose color. Each 10c, 4 for 25c.

Pink, Striped and Variegated Varieties Mixed.—Each 5c, doz. 40c.

Red Varieties Mixed.—Each 5c, doz. 40c.

White and Light Varieties Mixed.—Each 5c, doz. 40c.

Yellow Varieties Mixed.—Each 5c, doz. 40c.

Choicest Mixture.—Made up mainly from best named sorts. We have dropped all the inferior varieties and are sure our customers will be pleased with this mixture. Large bulbs. Each 4c, doz. 35c, 100 for \$2.50. Second size each 3c, doz. 20c, 100 for \$1.25, postpaid.

COLLECTION OF GLADIOLI.—Six choice named varieties, our selection of sorts, but all labeled, containing an assortment of colors. Also one packet of gladiolus seed of our own growing, carefully hybridized so as to produce new varieties; bloom second year. All for 25c, postpaid.

ground, striped and splashed with a rich carmine, shading to a rosy purple, most beautifully blotched and marbled, and of a delicate velvety texture. It is not affected by the heat and blooms freely. The flowers measure four inches in diameter when in cup form, or six inches spread and are held upright on the spike. If you want something extra fine don't fail to try the Royal Queen. Each 15c, 4 for 50c.

Brenchleyensis.—Deep vermilion scarlet. **Ceres.**—Beautiful blush white, marbled and striped with rose and carmine. **Isaac Buchanan.**—Best of yellow varieties. **Leander.**—Flowers of a soft and delicate lilac color, shaded and spotted with carmine and has a distinct white band in each petal. **Norma.**—The best white variety. **Africane.**—Dark slate brown on scarlet ground streaked with salmon and pure white. **Carnation.**—Fleshy white, tinged carmine, blotched purple. **Grand Rouge.**—Very handsome scarlet. **May.**—Nearly pure white. **Mr. Gladstone.**—Very dark vivid red; a great favorite. **Eugene Souchet.**—Has large spike of bright rose colored flowers, striped white. **Lemini.**—Upper petals creamy white, tinted salmon red; lower ones spotted with deep purplish crimson, bordered with bright yellow. **Marie Lamoini.**—Upper divisions of a pale creamy color, flushed salmon lilac, the lower divisions spotted purplish violet, deep yellow border. Any of these varieties 5c each, 50c per dozen.



OXALIS DEPIII ALBA.—Nothing so valuable for edging the borders of walks or flower beds as the beautiful summer oxalis. Bulbs, when planted three inches apart, produce an unbroken row of elegant foliage and pure white flowers, and as they bloom very quickly after planting, they furnish a neat and attractive border the whole season. Doz. 10c, 100 for 30c.

OXALIS DEPIII ROSEA.—Somewhat larger flowers and foliage than above. Leaves greatly resemble four-leaved clover; flowers rose color. Doz. 10c, 100 for 50c.

HYACINTHUS CANDICANS.—Has a stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Strong bulbs, giving two or more spikes; the number of flowers varies from 20 to 60 each. The appearance is like Giant Snow-drops. Very suitable for cemetery decorations. Each 5c, 3 for 12c, doz. 40c.

OXALIS DEPIII.
BLACKBERRY LILY.—Flowers orange color spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. Each 10c, 3 for 25c.

AMARYLLIS FORMOSISSIMI.—(Jacobean Lily.)—Dark velvet crimson. Bulbs may be potted any time in spring. Bloom year after year. Each 15c, 3 for 4c, doz. \$1.25.

AMARYLLIS JOENSONII.—Of strong and vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white, rendering flowers very attractive. Very fragrant. Each 50c.

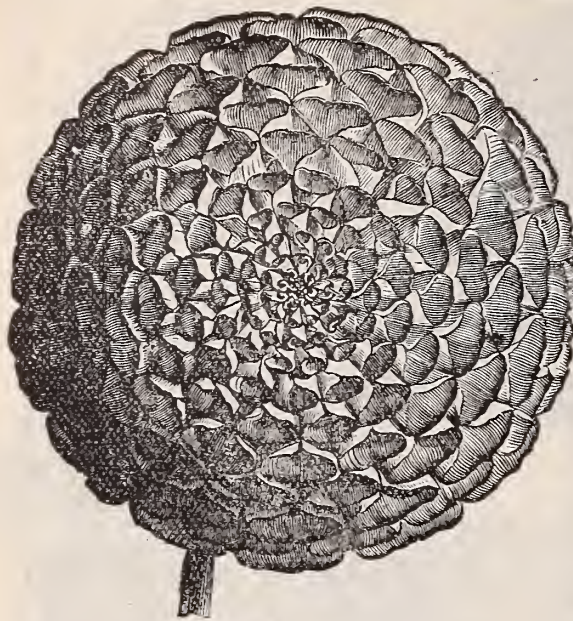
AMARYLLIS ATAMASCO.—The flowers are upright with broad petals, either pink or white. Each 10c.

IRIS KAEMPFERI.—Largest flowered and finest of all Iris. Plant is vigorous growing, perennial, and the flowers are of many beautiful colors shaded, striped and mottled. Double and single mixed. Each 15c, doz. \$1.25.

LILY OF THE VALLEY.—Well known and universally admired spring-flowering 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 price is low for choice stock such as we send out. 4 strong roots for 15c, doz. 40c.



LILY OF THE VALLEY.

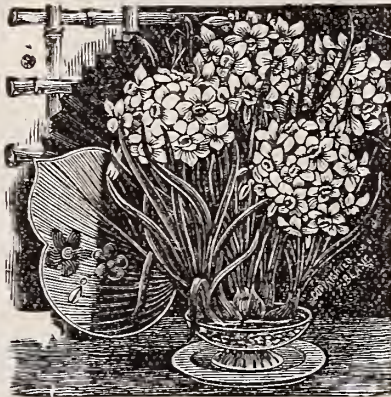


GOLDEN BALL DAHLIA.

CHINESE SACRED LILY.—Very handsome. The flower is white, with a yellow tinted cup. The bulbs are large with from three to six various-sized offsets, and nearly every offset bears a flower stalk. Usually grown in a bowl of water. We can furnish them till the last of March, when the supply is usually exhausted, and we do not have more until fall. Each 15c, 3 for 40c.

CALADIUM. Esculentum.—(*Elephant's Ear*).—A splendid tropical plant growing 4 to 5 feet with immense leaves beautifully veined and variegated with different shades of green. Very showy, leaves often growing 3 feet long. Of easy culture; roots can be stored in cellar in fall, and grow larger and more showy each year. Medium sized bulbs 10c, 3 for 25c; very large 30c, 3 for 75c.

PEONIES.—We have a choice stock of the best varieties of these popular large flowered old garden favorites. Many colors. Better plant a few in some place where they can remain permanently. Each 25c, 5 for \$1.00.



CHINESE SACRED LILY.

dark crimson glowing color, very double. **Malay.**—Very dark velvety crimson; nearly black. **Prince Bismarck.**—Large, double; deep, rich purple. Strong roots of above varieties 20c each, 3 for 50c, \$1.75 per doz.



FERN LEAF BEAUTY DAHLIA.

Double Mixed Varieties.—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 15c, doz. \$1.25.

Fancy Double Mixed.—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each 20c, doz. \$2.00.

Single Mixed.—Valuable for table or corsage bouquets. Each 15c, doz. \$1.25.

Double Cactus Mixed.—Flowers are very beautiful, though peculiar in form, somewhat resembling the blooms of the Cactus family. Many varieties. Each 15c, doz. \$1.50.

DAHLIA BOOK.—Complete and beautifully illustrated; price 50c. Our price only 25c, or given free to any one ordering \$2.00 worth of dahlias.

DAHLIA PLANTS.—We can furnish strong well rooted plants of any of above varieties at \$1.00 per doz., \$6.00 per 100, postpaid.



CALADIUM.

BULB COLLECTION.

6 choice Gladiolus, 3 Tuberoses, 3 Cannas, 3 Dahlias, 1 Caladium, 1 Gold Banded Lily, 1 Hyacinthus Candicans, 2 Spotted Callas and 5 Lily of the Valley, a total of 25 bulbs, worth \$1.90, for only.....\$1.00

TUBEROSE. Excelsior Pearl.—A greatly improved variety, having short stem and long spike filled with beautiful, large, perfectly double flowers of most delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and are unsurpassed for buttonhole bouquets. Don't fail to order a few. Choice large bulbs, postpaid, each 5c, doz. 35c; smaller bulbs 25c per doz.

I got a dozen Tuberoses of you last spring. They all bloomed and were beautiful. I am well pleased with the seeds and bulbs received last month also.—Mrs. W. H. Forman, McFall, Mo.

This is my second order this spring. The other seed was so nice and I was so well pleased that I must have more.—Mrs. Lizzie Kirk, Mt. Carmel, Mo.

The seeds and plants we have received from the Iowa Seed Co. have always given good satisfaction.—O. F. Johnson, Jewell, Iowa.



EXCELSIOR PEARL TUBEROSE.

WINTER BLOOMING BULBS.

Some of the most beautiful and fragrant of all the flowers grown belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted and most difficult to obtain. Our bulbs, which are grown by one of the best bulb growers in Holland, arrive in this country about September 15, and we usually have a good assortment of them for about two months. The best way is to order during the spring or summer, then your order will be filled as soon as bulbs are received. We name only a few kinds here. You should send for fall catalogue, which contains a full descriptive list. Ready September 1st.

HYACINTHS.—Either double or single mixed. Each 7c, doz. 75c.

TULIPS.—Double or single mixed. Each 5c, doz. 30c.

NARCISSUS or DAFFODILS.—Mixed varieties. Each 5c, doz. 50c.

CROCUS.—Mixed colors. Doz. 10c.

SCILLA SIBERICA.—Each 4c, doz. 35c.

SNOWDROPS.—Single—extra fine bulbs, 20c per doz. Double—extra fine bulbs, 30c per doz.



WINTER BLOOMING BULBS.



FLOWER PLANTS.

For the past few years we have devoted special attention to the growing of flower plants exclusively for the mail order trade, as for this purpose they require special culture in greenhouses kept at a low temperature so that they will be hardy, healthy and vigorous. Plants grown in the high temperature at which most florists are obliged to keep their houses, in order to produce cut flowers, grow so rapidly that they are soft, succulent and not fit for sending through the mail. The common hothouse grown plants are ill prepared to stand shipment or the great change of temperature to ordinary house culture or outdoor bedding. This year we have added eight new greenhouses to our place, besides cool storage rooms for dormant plants and two large rooms for packing plant orders in. We are filling orders constantly from every state and also from various parts of Canada, Mexico, etc. Our system of packing is so very complete that plants arrive in almost as perfect condition after traveling many hundreds of miles as they were when packed.

TERMS AND DISCOUNTS—At prices named we send the plants postpaid. Orders for plants must amount to at least 25c. We will furnish plants amounting to \$1.20 for \$1.00, \$2.50 for \$2.00, \$7.00 for \$5.00.

WE GUARANTEE—That plants ordered from this list will reach purchasers in any part of the United States in good order if sent by mail or express.

NOTICE—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until the usual season for setting out. If ordered for immediate shipment they will be sent at purchaser's risk.

ABUTILON.—Eclipse.—A most charming trailing variety, well shown by our illustration. The foliage is elegantly 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 15c.

ABUTILON, Souvenir de Bonn.—A striking decorative foliage plant, with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Amid these leaves the graceful drooping, orange-colored flowers are produced in great abundance, forming a clear and brilliant contrast. Each 15c.

ASPARAGUS SPRENGERI.—A splendid new plant for hanging baskets or pots. Each 15c.

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 silken mesh; their lasting qualities, when cut, are remarkable, retaining their freshness for weeks, hence it ranks as the most valuable plant we have for this purpose, surpassing Maiden Hair Ferns in many respects. Price, strong plants, 25c each.

ALTERNANTHERAS.—A very bright colored, dwarf-growing foliage plant, largely used for carpet bedding, borders, etc. Four best varieties. Each 10c. doz. 75c.

CINERARIA.—Magnificent flowering plants in winter and spring for windows and conservatories. The flowers of this large flowering type measure two inches across, are of white, blue, violet, crimson, etc., covering the plant with a sheet of blooms. Each 25c.

8
NEW
GREENHOUSES
THIS YEAR
ADDED TO OUR PLACE.

We Claim

To now have the largest number of houses devoted to the growing of plants for the mail order trade in the entire west.



ECLIPSE ABUTILON.

ACHILLEA ALBA.—A very pretty plant bearing a profusion of small white flowers. Each 10c.

CROWN OF THORNS—Euphorbia.—A very curious and remarkable window plant. It is a strong-growing creeper or climbing plant that can be trained over any desired form as shown in the illustration; and when full of its large, bright scarlet flowers, which almost cover the deep, glossy, green leaves, it is an object of rare and striking beauty. Easily grown, and always attracts attention. Grows wild in Judea and it is claimed that it was from this plant that the crown of thorns was made which was worn by our Savior. Each 25c.

BEGONIA.—Bertha.—An upright growing variety, with small, bright green leaves, and flowers of a beautiful currant red. Very floriferous and a charming variety. Each 15c.

McBethii.—Foliage fern-like. Panicles of pure white flowers produced in the greatest profusion. It is the most persistent bloomer of the Begonias. Each 10c.

Miniata.—A quick growing variety; small glossy leaves. Very pretty. Each 10c.

Tuberous Rooted.—The largest flowered of all begonias and quite satisfactory. Each 15c.

Vernon.—A variety of unusual value for bedding, as it will stand the hot summer sun. The flowers are of a brilliant deep red color; the foliage is very abundant, deep and glossy and of a fine green color, spotted and margined with bronzed purple. It thrives everywhere and is equally good as a winter bloomer. Each 10c.

Madam de Lesseps.—This grand new French variety is a decided improvement on Argentea Guttata, the leaf being four times the size seen in that variety while the silky texture is the same, and it is beautifully spotted with silver. A very strong, free-growing variety, that will succeed with any ordinary care, growing rapidly and sending out quantities of beautiful pink and white flowers. Each 15c.

Thurstoni.—A beautiful stately plant. The under side of the leaves is a rich, purplish red, the veinings very prominent; upper side bronzy green shaded with crimson olive; flowers rosy white; large clusters. Each 15c.

Metallica.—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded white. Each 10c.

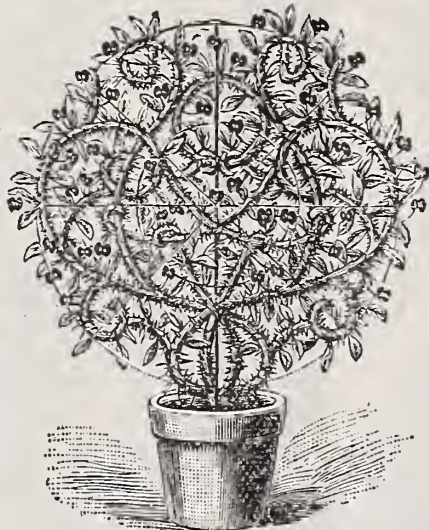
Erfordi.—Very popular small variety. Each 10c.

Rubra.—Fine constant bloomer; rosy scarlet. Each 10c.

Argentea Guttata.—Purple bronze leaves with silvery markings. White flowers; splendid for house. Each 10c.

Semper Florens Gigantea Rosea.—A superb variety; strong and upright; large cardinal red flowers. Each 15c.

Rex.—The Rex or King Begonias may well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. Choicest varieties of the Rex class. Each 20c.



CROWN OF THORNS.



ASPARAGUS PLUMOSUS NANUS.



REX BEGONIA.



VERNON BEGONIA.

CARNATIONS.

Fragrant flowers are always sought after, and the rich, spicy odor of the carnation, combined with various colors, leaves little to be desired. Easily grown and bloom freely.

Evelina.—(Cut No. 1.)—A grand, pure white, early and free flowering carnation of healthy, vigorous growth; makes fine bushy plants, and bears an abundance of flowers on long stems; petals finely fringed and very fragrant. An excellent variety, and best of all for general use. Each 10c. doz. \$1.00.

American Flag.—(Cut No. 2.)—An immense, strong, vigorous grower and profuse bloomer. Very fragrant. The color is different from any other variety, being distinctly and regularly striped vivid scarlet and pure white, giving it a most novel and striking effect. Each 10c. doz. \$1.00.

Mrs. Geo. M. Bratt.—Color clear white, heavily edged and striped with bright scarlet; flowers enormous and full, center petals standing erect, giving the bloom a well-rounded form. Strong and vigorous. Each 10c. doz. \$1.00.

Jubilee.—Color intense scarlet of the richest shade. One of the largest flowers among the reds; flowers full and well built; a free, continuous bloomer. Each 10c. doz. \$1.00.

Gold Nugget.—Rich golden yellow, in fact the best yellow known among carnations. A strong, vigorous grower with long stems. Very full, double flower. Free flowering. Each 15c. doz. \$1.25.

Argyle.—One of the sensational new carnations of this year, receiving awards wherever shown. Color a pleasing shade of carmine pink, flowers extra large, borne on strong stems. Early and continuous bloomer. Each 10c. doz. \$1.00.

Flora Hill.—Considered by florists the best pure white variety. The flower is of enormous size and rounded build; wonderfully free in bloom; good calyx. Each 10c. doz. \$1.00.

Triumph.—An exceptionally strong, healthy grower, with extra large blooms $2\frac{1}{2}$ to 3 inches across, on heavy, stiff stems. Flower very full, of fine form and deliciously

fragrant. Color clear, bright pink. Each 10c. doz. \$1.00.

Mayor Pingree.—Clear lemon-yellow, lightly marked with pink and white. Each 10c.

Helen Keller.—Immense sized. Creamy white clearly striped with carmine. Each 10c.

Empress.—A magnificently fringed large flower of rich velvety purplish crimson color. Very fragrant. Each 10c. doz. \$1.00.



CARNATIONS—1, *Evelina*. 2, *American Flag*.

OTAHEITE ORANGE.—The most hardy of the orange family, and is desirable for pot culture. It is dwarf of a low, shrubby growth, with beautiful, glossy green leaves and an abundance of large, white, sweet scented blossoms, borne almost continually. The fruit is small and bright orange red in color. A great beauty. Each 25c.

MOUNTAIN PINK.—A fine plant for basket or rockeries. Flowers bright pink, two inches in diameter. Each 10c.

OXALIS.—A fine plant for pots or baskets. Several varieties. Each 10c, 4 for 25c.



OTAHEITE ORANGE.



COLEUS.

Whoever has been in our large city parks will never forget the ornamental beds—curving and quaint designs and mingling arabesques of all colors—which look like vari-colored rugs spread at short intervals on the smooth lawn. These are formed of Coleus, the most popular of all bedding plants because of their bright colors and cheapness. Plants should be frequently sheared down to keep beds looking to best advantage. The following are the very best varieties:

Beckwith Gem.—Crimson blotched with purple maroon, green border spotted creamy yellow; very strong grower. This is a grand variety; no garden is complete without it. **Autumn Glow.**—Has all the beautiful tints of autumn leaves. **Golden Bedder.**—Color yellow. This is the best yellow coleus for

bedding. Deep gold in the sun. **Firebrand.**—New, maroon flamed and shaded with brilliant fiery red. **Verschafelti.**—The oldest, still one of the best, dark rich velvety crimson. **Mrs. J. Hunt.**—Splendid dark carmine, red center, dark border, excellent bedder. **Little Gem.**—Long, narrow leaves, creamy white, with dark green border. **Velvet Mantle.**—Deep rose and chocolate, pale olive border, nicely blended. **Tomarick.**—Olive-green, mottled with purple and black. **Dante.**—Velvet crimson, fringed edges which are gold lined.

Hawkeye Giant.—A description can give but a faint idea of the surpassing beauty of this new coleus. It is a seedling of ours which has attracted much attention in the greenhouse and on the seed farm, and brought many exclamations of wonder from our customers. The leaves are of immense size. They are beautifully curled and serrated and the color is royally rich and brilliant. Each 15c. doz. \$1.25. **Eclipse.**—Brown shading to crimson, with light edging. **Connivor.**—Bronze veined pink, mottled light crimson. **Pres. Garfield.**—Large, crimson, brown foliage. **Purple Prince.**—Purple veined crimson. **Arlington.**—Bronze purple, veined crimson.

All above, except noted each 10c, dozen 85c. The entire set of 16 for \$1.00. Mixed varieties suitable for bedding unnamed, 75c per dozen, \$4.25 per 100, postpaid.

SINGLE GERANIUMS.

For profusion of bloom and size of truss many customers consider the singles superior to the doubles. After testing a great number of sorts we have selected the following as by far the best.

FLASHLIGHT.—See novelties. Each 20c.

AUREOLE.—See novelties. Each 15c.

CAMILLE BERNARDIN.—See novelties. Each 15c.

CARMEN SYLVA.—The grandest single pure white geranium in existence. It is of vigorous healthy growth and blooms profusely, the plant being fairly loaded with immense trusses of bloom which do not turn pink even in the most severe weather, but remain spotless snow white. Very desirable for bedding or pot culture. Each 15c.

SINGLE NEW LIFE.—The flowers are vivid scarlet, irregularly striped with salmon and white like a carnation; truss good, very free flowering, sports sometimes, no two flowers alike; very attractive and popular. Each 15c.

THE WONDER.—The flowers are the most intense, dazzling scarlet, and are borne in great trusses of enormous size, measuring from 18 to 20 inches in circumference, with single 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.

MARS.—The flowers are produced in great profusion upon large sized trusses. Color a beautiful rosy salmon, veined with carmine; with white eye. Each 10c.

FLEUR POITEVINE.—Extra large single flowers, brilliant rosy carmine, marked and striped with pure white, center deep orange scarlet; a dwarf robust grower and wonderfully free-flowering. Each 10c.



NEW LIFE.

MADONNA.—Color a soft shade of pale pink; florets large, arranged in handsome trusses well above the foliage. Each 10c.

RENOMMIE LYON-AISE.—A grand, new sort. The flowers are a beautiful combination of bright scarlet, clear rose and white; center of florets white, surrounded by a rose and broad scarlet border, giving it a very brilliant effect. Each 15c.

ELECTRIC.—Very large flower of most brilliant scarlet color with distinct white eye. A free bloomer. Each 10c.

MAD. POIRER.—A new favorite bearing beautiful flowers of rich violet carmine color. Immense sized floret and truss. A strikingly beautiful variety. Each 15c.

EMPRESS EUGENE.—Deep rich pink with base of upper petals white. Each 10c.

MODJESKA.—A novelty in single geraniums of decided merit. Truss of fair size and the separate florets are immense. Color delicate salmon pink with distinct white eye. Each 20c.



SOUVENIR DE MIRANDE.

SOUVENIR DE MIRANDE.—One of the handsomest and most satisfactory of all recent introductions. It has nicely formed, round florets, upper petals cream white, with distinct salmon rose border; lower petals salmon rose, streaked with pure white; very free flowering and produces fine trusses of magnificent blooms. Each 10c, doz 85c. By express 100 for \$5.00.

MRS. J. M. GARR.—One of the finest single white bedders. The plants are a mass of bloom all summer. Each 10c, doz 85c. By express 100 for \$5.00.

CHAMPION.—An elegant large flower of carmine crimson color. Each 10c.

PELARGONIUMS. Commonly known as Lady Washington geraniums, and the improved large flowering sorts are undoubtedly the most beautiful of all geraniums. Is highly prized everywhere for house culture and for winter

blooming. We grow many of the choicest new sorts, in our mixture, some of the novelties which we secured directly from the originators this year being superbly grand. Each 25c. 5 for \$1.00.

PANSY GERANIUMS.—Flowers of medium size and have white throat. Each petal is shaded toward the center with a rich lavender pink and a dark maroon blotch in the center. Very handsome; will attract attention. Each 25c.

FANCY LEAVED GERANIUMS.

MRS POLLOCK. Magnificent. Green leaf disc overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Each 15c.

MARSHAL McMAHON.—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each 15c.

MOUNTAIN OF SNOW.—Finest of this class for ribbon lines or massing; center of leaf bright green, out r margin broadly marked silver white; scarlet flowers.

HAPPY THOUGHT.—A tri-colored geranium with dark green foliage, light cream-white center with dark band about the light zone. Flowers bright scarlet.

GOLDEN CIRCLE.—Green foliage, narrow golden yellow edging, flower scarlet.

SNOW STORM.—Dark green foliage distinct white margin. A robust grower. An improvement on Mountain of Snow. Each 15c.

CRYSTAL PALACE GEM.—Fine yellow, with green disc; extra fine bedder.

DISTINCTION.—Round green leaves with a clear black circle.

Any of above, except where noted, 10c each. Set of 10 fancy geraniums 85c.

MAD. SALLEROI.—A very compact variety of silvery geranium; fine for massing or bordering; thrifty; leaves green, edged white.

ZULU.—The darkest foliaged variety, the zone being so large as to nearly cover the entire leaf, and it is of very dark chocolate color, at times appearing almost black. Each 15c.

SWEET SCENTED GERANIUMS.

LADY PLYMOUTH.—A beautifully variegated variety of the Rose geranium. Propagates slowly, and the demand usually exceeds the supply. Each 20c.

NUTMEG.—Small leaves, with nutmeg perfume. Each 10c.

OAK-LEAVED.—Beautiful foliage resembling oak leaves; black center, with green border. Each 15c.

ROSE SCENTED.—Two kinds, broad leaf and cut leaf; this is the most popular of all scented Geraniums. Each 10c.

SKELETON-LEAVED.—Leaves very finely cut; rose fragrance. Each 10c.

BALM.—Has delicious balm fragrance. Each 10c.

LEMON.—A nice little plant of bushy growth, with delightful lemon fragrance to the leaves. Makes a nice pot plant the year round and the odor is quite refreshing. Each 10c.

FERN-LEAVED.—The most delicate of all the cut leaved Geraniums, of delightful fragrance, very free growing. The leaves are valuable for mixing with cut flowers. Each 20c.

MRS. TAYLOR.—A scarlet flowered rose geranium. The blooms resemble the Pelargonium but are smaller and of bright scarlet color; blooms constantly. Each 10c.



PANSY GERANIUM.



ABLANC.

SOLANUM—Jasminoides Grandiflorum.—This beautiful plant is of trailing or climbing habit, but if desired can be cut back to a bush form. It has star-shaped flowers something like a clematis, and borne in large clusters or panicles frequently a foot across. They are in color a pure white with violet tinge on the back; it is equally a good bloomer in summer and winter, and is wonderfully effective when planted to cover a low wall or trellis, showing hundreds of magnificent panicles of bloom. The bloom remains perfect for a long time before fading. Each 15c.

FUCHSIAS.—These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

White Phenomenal.—The grandest double white variety in existence and one which should be in every home. Each 15c.

Jupiter.—A new giant flowered variety from France. The flowers are of really mammoth size with very large rich violet purple double corolla. Tube and sepals bright crimson. Plant is a strong, hardy, free grower, which everyone can succeed with and will attract attention everywhere. Each 15c.

Phenomenal.—This is usually considered the largest Fuchsia in cultivation, being same size as the Jupiter but of much darker color. The flowers are of enormous size, a single flower measuring three inches across; sepals bright scarlet, with rich purple corolla, very double, flaked with red. It will attract universal attention in any collection, as it is one of the most beautiful sorts in existence. Each 10c.



JUPITER FUCHSIA.

Black Prince.—Tube and sepals bright waxy carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. Easily grown in tree form and we had at one time a plant seven feet high loaded with 2,000 flowers at once. Each 10c.

Storm King.—Large double flowers. The sepals are glowing scarlet crimson, while the large double corolla is of delicate waxy whiteness, elegantly penciled with deep, bright crimson. Each 16c.

Trailing Queen.—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

Speciosa.—Sepals bluish, corolla carmine. Best winter bloomer. Each 10c.

Little Beauty.—Charming variety; begins to bloom when only 2 or 3 inches high, and continues to bloom the year round. Tube and sepals bright red, corolla deep purple. Each 16c.

Lottie.—Very handsome flower with carmine corolla; tender rose sepals and cream colored tube. Each 16c.

Rose of Castile.—The best single summer blooming Fuchsia. Blush pink with violet corolla. Each 10c.

VINCA MAJOR.—Beautiful trailing plant. Leaves glossy-green broadly margined with a creamy white. The flowers are a handsome blue. Free bloomer. Each 10c.

FORGET-ME-NOT.—Every one loves the charming little Forget-me-not, and it seems strange that it is not more often seen in our gardens. They are easily grown and will bloom freely and will continue to thrive and bloom year after year, being perennial and perfectly hardy, with only slight covering. Plants grow to 12 inches high and will thrive in most soils, though they prefer moist, sandy situations. Each 10c, doz. 75c.



SOLANUM JASMINOIDES GRANDIFLORUM.

ARTILLERY PLANT.—A very neat and pretty plant, resembling some of the ferns in general appearance. Its graceful habit makes it very desirable for baskets and vases. Quite interesting and of easy culture. Two varieties. Each 10c.

CACTUS.—We have many varieties of these curious plants. Price 10 to 25 cents each, or a collection of 10 sorts for \$1.00, postpaid.



GLECOMA.

COBOEA SCANDENS.—A well known summer climber. Foliage green, with large, purple, bell-shaped flowers. Each 20c.

MAURANDIA.—Graceful climbers for window or conservatories, or for open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. 10c.

GERMAN IVY.—A popular vine for hanging baskets and window boxes. Each 10c.

ENGLISH IVY.—Very showy vine. Each 10c.

VARIEGATED ENGLISH IVY.—Foliage very prettily marked with pure white on a dark green ground. Handsome as a pot plant in the window or for trailing from the edges of boxes or baskets. Each 15c.

CYCLAMEN.—One of the finest plants in cultivation for winter blooming. A great variety of beautiful colors. Each 25c.

MOUNTAIN PINK. *Crassulus.*—A fine plant for baskets or rockeries. Flowers bright pink, two inches in diameter. Each 10c.

OLEANDER.—Popular tree-like plant. Each 25c.

GLECOMA.—*Hederaea.*—(Variegated Ground Ivy.)—The foliage of this charming variety is a bright green, marked with pure white, and has a refreshing fragrance similar to mint. It grows very rapidly and is graceful and beautiful for hanging baskets or vases. It is also useful for planting in the open ground, and will be largely used in cemeteries, as it is entirely hardy, graceful and ornamental, and makes a dense mat on the ground. Each 10c, doz. 75c.



ILLUMINATION CHRYSANTHEMUM.

CYCAS REVOLUTA. (*Sago Palm.*) These are magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown, both for lawn and house decoration: their heavy, glossy, deep green fronds resist alike the gas, dust and cold, to which decorative plants are frequently exposed. In young plants the stem is bulb-like, but develops into a stem or trunk as it grows older. The leaves, which are like fern fronds, are remarkable for their great beauty, which is retained for years, as the leaves do not die and drop off every year. Strong young plants \$1.00 each postpaid. Large specimen plants \$2.00 to \$25.00 each by express at purchaser's expense.

PRIMULA OBCONICA.—A lovely perpetual blooming primrose. The flowers are of a delicate rosy lilac, shading to white. Each 10c.

PASSION FLOWER.—An attractive vine bearing beautiful flowers. Each 15c.

LEMON VERBENA.—A universal favorite, and invaluable for its fragrant leaves. They will retain their fragrance for years when dried. As a plant for the garden or for pots it is equally valuable. Its fine sprays of foliage with its delicious fragrance making it always desirable for bouquets, etc. Each plant in good rich soil will cover a space of three to four feet in diameter. This plant is well known and is easy to grow. Admired by all for its unrivalled and brilliant beauty. A plant that is necessary to every collection. Each 10c.



CHRYSANTHEMUMS.—These are now, and deservedly, the most fashionable of all autumn flowers. All these are excellent for pot culture:

Illumination.—A grand new variety of most robust, sturdy growth, and claimed to be the best white yet introduced. Plant is erect; branching so as to make a perfect shaped bush, covered with a great number of beautiful, snow white flowers which are full and deep. Each 15c.
Louis Behmer.—The splendid new pink Ostrich Plume Chrysanthemum. Grand flowers of globular form; petals broad and lasting and thickly covered with fine, downy hairs so much admired; color deep, rich pink; solid and fine. Strong and vigorous plant. Each 15c.
Merry Christmas.—The latest of all the whites; fine large flowers which are at their best in December. Each 15c.
Glory of the Pacific.—It is of magnificent size and depth, with broad petals, which finely reflex, showing the clear pink color to excellent advantage. **Mad. F. Beigmann.**—The flower is a perfect white ball of the largest size, incurved; dwarf growth: excellent plant for pot culture, coming into bloom earliest of all.
Gettysburg.—The darkest crimson variety; outer petals broad and drooping and have lustrous sheen in the sunlight. **Bruant.**—Largest round, incurved, reddish bronze; magnificent exhibition variety, with fine stem and elegant foliage. Each 15c.
Fisher's Torch.—Bright fiery red of the richest shade; large and double, with high-built center.

Golden Wedding.—Of a rich golden-yellow color, intense and dazzling; flowers 10 to 12 inches in diameter; petals broad and long, double to the center. **Charity.**—An early blooming sort with large, fine pink flowers, outer petals reflexed; flower, 6 inches in diameter. **Harry Balsley.**—A magnificent variety of a soft mermet pink color. **The Queen.**—This novelty is one of the finest pure white varieties in existence; extra large, half globular flowers of great substance. **Pompon Varieties.**—Compact growing sorts producing an immense number of small very double flowers. Early and will bloom in open ground. Three varieties, white, yellow and pink. *Any of the above, except where otherwise noted, at 10c each, \$1.00 per doz.*



LOUIS BEHMER CHRYSANTHEMUM.



CYCAS REVOLUTA. (*Sago Palm.*)

SEDUM.—A nice plant for rockwork. Several kinds. 10c each.
WANDERING JEW.—An old well known trailing plant. Several varieties. Each 10c, 4 for 25c.
OTTHONA.—A pretty plant for basket culture. Each 10c.
EUONYMUS.—A pretty, shrubby plant with variegated foliage. 20c.
ACHYRANTHES.—Pretty foliage plants. Each 10c, doz. 75c.
ROYAL PURPLE STROBILANTHE.—A new house and bedding plant. It forms a compact bush. Of the most intense metallic purple color, shading into light rose. Each 15c.
LANTANA.—We consider this one of the most satisfactory plants grown. It is the flower for everybody both for outdoor bedding, and blooming all winter in the house. Has a flower somewhat resembling the Verbena, borne on a woody, bush shaped plant. The flowers embrace all shades of orange, sulphur, lilac, red, pink, white, etc., changing from one distinct color to another as they increase in age and development. **Javoi.**—Best, largest and freest blooming white variety. **Harkett's Perfection.**—A new variety, with beautiful, flesh and yellow flower, and golden variegated foliage. **Michael Schmidt.**—Flowers fresh and sparkling, of a brilliant yellow, passing into purple vermilion. **Francienne.**—Handsome rosy lilac. **Patriot.**—Elegant rich orange color, changing to maroon as flower grows older. **Gold Cup.**—A dwarf compact grower, with very pretty lemon yellow flowers having golden yellow center. *Any of above each 10c; set of six varieties for 50c.*

INDIA RUBBER TREE.—The large, shining, green leaves endure the dry air of living room as well or better than any other plant; everybody likes it. Each 60c.

PALMS.—Fashionable decorative house and window plants; several varieties; mailing size, 25c each; large, \$1.00 to \$5.00 each by express.

MOONFLOWER.—A handsome climber growing to a height of 25 to 40 feet, and covered nightly and on dull days with its white, moon-like flowers 5 to 6 inches in diameter. Each 15c.

NIGHT-BLOOMING CEREUS.—This gorgeous cactus, which opens evenings, bears abundant blossoms, measuring 12 inches across. Very fragrant. Each 25c.

HOYA.—*Carnosa.* (*Wax Plant.*) The well known house climber, with thick, fleshy leaves and curious, waxy flowers. Ea. 25c

HELIOTROPE.—*Snow Wreath.*—Superb large clusters of deliciously fragrant flowers of nearly pure white. Each 15c. **Jersey Beauty.**—Very large trusses of blue flowers. Beautiful. Each 10c. **Mad. Blonay.**—Immense truss of very light colored nearly white flowers. One of our most popular sorts. Each 10c. **President Garfield.**—The finest dark colored variety in cultivation. Deep purple and quite fragrant. Blooms well. Each 10c.

HYDRANGEA.—**Thomas Hogg.**—The immense trusses of flowers are first slightly tinged with green, becoming of the purest white, and remaining so a long time. Each 15c. **Hortensis.**—Bears large trusses of beautiful bright pink flowers. Ea. 10c

LOBELIA.—A pretty and well known plant. Each 10c.

SAPONARIA.—The old-fashioned "Bouncing Betsey." Hardy. Pink flowers. Ea. 10c



LANTANA.

FERNS.—We have many choice varieties of these delicate appearing, attractive plants at prices from 10c to \$1.00 each.

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.

MEXICAN PRIMROSE.—Is a perpetual bloomer, in flower all times of the year, a good specimen showing always from ten to thirty large saucer-shaped blossoms two to three inches across, of several beautiful colors. Each blossom keeps perfect many days before fading, and when it droops others are out to take its place, and this succession of beauty is continued. The plant is a free grower, succeeding in almost any soil or situation. Each 10c.

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 attention 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 best blotched and fringed sorts. Each 10c. doz. 90c.

Snow Queen.—White varieties are always scarce. This is an extra choice new double white Petunia which for profuse flowering qualities is unsurpassed and for keeping has no equal. Plant grows about two feet high and often has 200 to 300 flowers on at a time and blooms throughout the season. Flower is of medium size, scalloped, pure snow



SWORD FERN.

WHITE SWAINSONIA.—A most beautiful new climbing plant. The habit of growth is extremely graceful and the vines trained up at the side of a window or on a trellis, presents a lovely sight of light-green, feathery foliage, and a splendid profusion of pure white sprays of flower resembling Sweet Peas in form. Easily grown and under favorable conditions is almost a perpetual bloomer. There is certainly no climbing vine for house or conservatory culture to-day more desirable than this fine new plant. Each 10c.

PINK SWAINSONIA.—A beautiful new sort quite similar to above except that flowers are a clear pink color. Each 15c



DOUBLE PETUNIA.

SHOWER OF GOLD.—*Genista.*—A most desirable plant which has been given the name "Shower of Gold" or "Fountain of Gold," from its peculiar fountain shape and brilliant color. The drooping branches are covered with delicate sage-green foliage, and every twig is tipped with a long raceme of exquisite pea-shaped blossoms of a pure canary color, almost hiding the foliage. Each 10c.

SAXAFRAGA.—The well known, much used old basket plant, with long strawberry-like runners. Ea. 15c.

SMILAX.—Well known handsome climber and the most popular of all vines with the florists. Each 15c.

FIGUS REPENS.—A pretty dwarf trailer. Each 15c.

PHEASANT'S BREAST ALOE.—An elegant appearing, slow growing plant, highly prized wherever its true value is known. Each 7c.

SWEET ALYSSUM.—Nice little pure white flowers. Valuable for baskets, vases and borders. Each 10c, doz. 50c, 100 \$3.00.

COCOLOBA.—A pretty little plant having curious flat jointed stems. Each 10c.

CIGAR PLANT.—(*Cuphea.*) Pretty, bright red long flowers. Each 10c.

FEVERFEW.—Well known popular plant loaded with pure white, double, button-like flowers. Each 10c. dozen 75c.

HIBISCUS.—A large, shrub-like, woody plant bearing immense double or single flowers. Various colors. Each 15c.

ICE PLANT.—Interesting from its being covered with ice-like crystals. Flowers very pretty. Each 10c.

JAPAN HONEYSUCKLE.—A climbing plant with prettily variegated foliage. Each 10c.



MEXICAN PRIMROSE.

white and of great substance. Desirable both for outdoor bedding and winter blooming in the house. Each 15c.

SALVIA, Splendens.—Rich and abundant flowering plants, and indispensable in autumnal garden. Bright scarlet. Each 10c.

White.—Like above except that flowers are pure white. Each 10c.

Chance.—A novelty striped scarlet and white. Each 10c.

Blue.—A choice blue flowered sort. Each 15c.

Golden.—Handsome yellow leaved variety. Each 10c

Pineapple.—The leaves have a strong, pleasant pineapple odor even on a small plant long before it begins to bloom. It is a strong grower, and free bloomer, producing an abundance of long spikes of brilliant scarlet flowers. Each 15c.

ANTHERICUM vittatum variegatum.—An elegant house plant with dark green leaves, beautifully bordered with broad stripes of pure white; it throws up long spikes of small star-shaped flowers, which are very effective; fine for hanging baskets. Each 10c

JUSTICIA.—A strong growing plant bearing large feathery plume-like pink flowers. Each 15c.

SANSEVERIA —Zelanica.—A singular plant, eminently adapted for decorative purposes in parlors, etc. Dark green, beautifully striped crosswise with white. Flowers white. Each 15c. Large size 50c.

MANETTA BICOLOR.—One of the handsomest little vines in existence. Is easily and quickly grown, blooms continuously and is well adapted for hanging baskets, pot culture, vases or bedding. Flower is of size and shape shown in our illustration and of brilliant scarlet tipped with clear golden yellow making it wonderfully attractive. Blooms constantly and profusely all summer outdoors and all winter when taken into the house. Each 10c Large size 25c.



SANSEVERIA.



MANETTA—BICOLOR.



SWAINSONIA.

AQUATIC PLANTS.

The constantly increasing demand proves the coming popularity of Aquatics. Their requirements are very simple, only sunshine, shallow water and rich soil being necessary. Artificial ponds can easily be made or you can grow them in tubs or tanks. In winter most of the varieties should be taken in to keep from injury by frost. Nothing will give more pleasure than a pond or fountain basin fixed up in your lawn to hold aquatic plants and gold fish. Most of the varieties that we offer are also adapted for growing in aquariums in the house.



WATER HYACINTH.

WATER HYACINTH.—One of the most remarkable, curious and beautiful plants we have ever grown. It floats in water forming a lovely rosette of its curious, shining green leaves, and throws up spikes of the most exquisite flowers. Color a beautiful, soft lilac rose, sparkling as if covered with diamond dust. The upper petal has a large metallic blue blotch, and in the center of that a small, deep, golden yellow spot. Each 15c.

PARROT'S FEATHER.—An aquatic hanging plant is a novelty indeed, and we have it to perfection in this dainty little jewel. Its long, trailing stems are clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, but more delicate. Planted in water-tight hanging basket, will trail finely. Each 15c.

SAGITARIA.—A grass-like plant quite desirable for growing in aquariums. When well established it is a very satisfactory plant. Each 25c.

TRAPA NATANS.—The Chinese Horn Nut described with novelties. Grows nicely in aquariums. Per package of 4 nuts 15 cents.

CYPERUS PAPHYRUS.—The true Egyptian Paper Plant. This very pretty rush-like plant grows well in shallow ponds. Each 25c.



CABOMBA, OR AQUARIA MOSS.

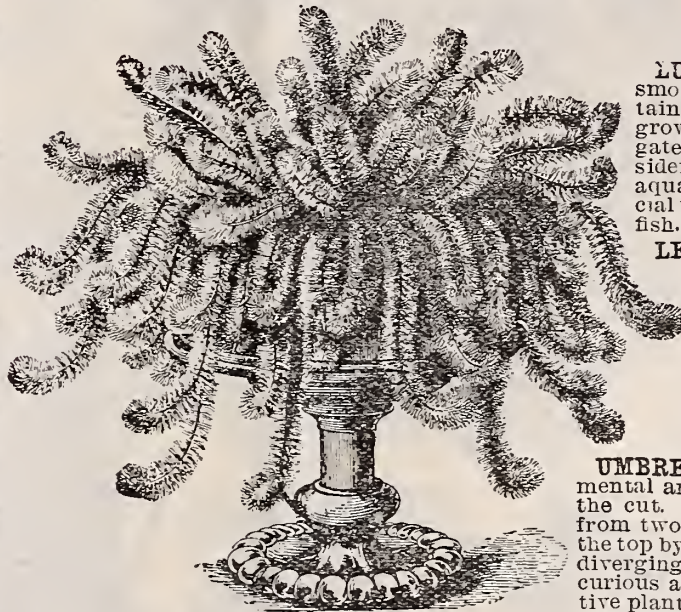
WHITE POND LILY.—(*Nymphaea Odorata.*) The praises of our fragrant, water lily can never be too highly sung. Its lovely pure white flowers are worthy of a place beside the most costly exotics and its beautiful flowers attain a size of five to six inches across. A tub or half barrel may be utilized to grow it in if you do not have a pond or pool of water. Plant the roots in muck or loam, covering the latter with about two inches of sand or fine gravel to hold them in position. The roots should be barely covered. Give plenty of sunshine. Strong roots 85c each, \$3.00 per dozen.

PINK POND LILY.—(*Nymphaea Rosea.*) The famous pink water lily of Cape Cod, and is a grand acquisition. It possesses all the desirable qualities of the white-flowered species, hardiness, freedom of bloom and delicious fragrance, with the added charm of deep pink color. The flowers average a larger size than the white. Large roots, \$1.60 each.

YELLOW POND LILY.—(*Nymphaea Flava.*) A charming variety which has proved hardy in central Iowa. Flowers of bright golden yellow color and delicious fragrance. Each 50c.

EGYPTIAN LOTUS.—(*Nelumbium Speciosum.*) A noble aquatic known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance and flowers sometimes a foot in diameter. Color, white shading to pink. Easily grown either in tubs or ponds and have lived through the winter even where ice 3 to 8 in. thick formed on the pond. Each \$1.00.

AQUATIC COLLECTION One plant each of a above four for \$2.50, prepaid.



PARROT'S FEATHER.

CABOMBA or AQUARIA MOSS.—This is the prettiest plant in existence for growing in aquariums and also the most valuable. The foliage is of a beautiful light green and the leaves spread out like a fan, which gives it the name of Fanwort. The leaves are beautifully and regularly cut and resemble a delicate lace fern. It has flowers measuring half an inch in diameter, which are white, with yellow spots at the base. It rarely blooms in the aquaria, but grows all the year round. It looks much better during the fall and winter than during the spring months. It may be broken at any length and roots readily. Should be weighted down so that the base of stems are in the sand. Per bunch of 10 stems 25c postpaid.

CHINESE SACRED LILY.—While possibly this should not be called an Aquatic plant still in this country they are usually grown in a bowl of water in the house and they grow and bloom just as well without any soil. It is a wonderfully beautiful and attractive white flower with yellow tinted cup; a truss from three to seven, borne on a stem—sometimes single and double on the same stalk. The bulbs are very large, with from three to six various-sized offsets, and nearly every offset bears a flower stalk. We can furnish them until the last of March, when the supply is usually exhausted and we do not have more until fall. Each 15c.

The plants were received in good order and are all living and doing nicely.—Mrs. M. E. Emerson, Admire, Kansas.

The roses I received from you last year grew and bloomed finely.—Mrs. Kate Evans, Chilhowie, Mo.



LUDWIGIA.

LUDWIGIA.—A pretty plant, with smooth, green leaves, variegated at certain seasons with yellow and red. It grows nicely in the aquarium and propagates rapidly, if set in sand. It is considered one of the best oxygenators of all aquaria plants, and is, therefore, of special value in purifying the water for the fish. Each 15c, 4 for 50c.

LEMNA.—This is sometimes called Duckweed, and is often found floating. It has small, oval leaves, with rootlets hanging down into the water, and the plants are produced very rapidly by off-shoots. It is an ornamental plant and shades the water. The fish seem to be fond of it because of the great amount of animal life which finds lodging in its roots and leaves. Bunch 15c.

UMBRELLA PALM.—(*Cyperus.*) An ornamental and very striking plant as shown by the cut. It throws up slender, round stems from two to three feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, giving the plant a very curious appearance. It is a splendid decorative plant, being as ornamental as a palm or fern, and above all, it is as easily grown as the commonest weed, as it will thrive in shade as well as sun. It is an excellent plant for the dining room table; or as a water plant in very moist spots or for aquariums or fountains. It should have an abundance of water. We sell thousands of these plants and they are always satisfactory. Nice plants, 15c each. Larger 25c and 50c each.



CYPERUS, OR UMBRELLA PALM.

ROSES.

The flower of flowers. Everyone should have them in profusion. Our stock is unexcelled, as we grow plants only and do not force stock for the cut flower trade.

CHAMPION OF THE WORLD.—The champion bloomer, commencing to bloom as soon as potted from the propagating bench, and continues in the greatest profusion all the time. It is claimed that one plant of it will produce more flowers during the year than ten plants of any Tea rose. 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.

BRIDESMAID.—An exquisite bright clear pink, a lovely shade; flowers very large and perfectly double. The buds are large and solid with long, stiff stems and handsome glossy foliage. A strong, healthy grower, free from disease. It is also an excellent bedding variety for outside flowering in summer. Each 15c.

KAISERIN AUGUSTA VICTORIA.—The finest white rose in existence for summer blooming. It is a true Tea Rose, soft, pearly white, remarkably fragrant, a strong, healthy grower, with bold, beautiful foliage. It is a continuous bloomer, its buds being of elegant perfect shape; full open flower is unsurpassed and shows no center. Each 15c.



KAISERIN AUGUSTA VICTORIA.



CHAMPION OF THE WORLD.

RAINBOW.—An elegant striped Tea rose; strong, healthy growth and exceedingly free flowering habit. The buds are large on strong stiff stems. Color is a lovely shade of pink, striped and mottled in a most unique manner with intense crimson, and elegantly colored with rich golden amber at center and base of petals. It makes beautiful buds, and the flowers are extra large, very sweet and of great depth and substance. A most charming variety. Each 15c.

HERMOSA.—An excellent rose, blooms in fine clusters; large, very double and fragrant; color beautiful clear rose; a constant bloomer; hardy; one of the best. Each 10c.

CLIMBING METEOR.—This new rose might almost be called a "Perpetual Blooming Climbing Jacqueminot." Buds exquisite; flowers large, beautifully shaped, and of that rich, dark, velvety crimson seen only in the Jacqueminot. Each 20c.

PERLE DES JARDINS.—Fine straw-yellow; very large and perfect. Blooms freely and we consider it one of the most satisfactory varieties. Each 10c.

CAROLINE TESTOUT.—A grand rose of the LaFrance type and of bright satiny pink with rosy center. Each 15c.

MARECHAL NEIL.—Very bright, rich golden yellow; very large, full and perfect form; of vigorous climbing growth and a free bloomer. Unquestionably the finest of all Tea roses. We have seen greenhouses devoted to a single plant of



RAINBOW.

this variety, from which it was not unusual to cut five hundred to two thousand flowers per day. Each 15c.

VERDIFLORA. The wonderful green rose which cannot fail to attract attention and cause surprise wherever seen. It is a perfect flower with deep green petals and a free bloomer. A curiosity. Each 15c.

POLYANTHA, or FAIRY ROSES.

Small roses which are marvels of grace and beauty; bloom in clusters of 25 to 50 on a single stem.

MOSELLA.—A choice novelty. Flowers very double, ball shaped and open like a Camelia flower. The petals are tinted white, on beautiful light yellow ground extending to the middle of the petal. Each 15c.

PRINCESS BONNIE.—Another charming novelty; flowers large and perfectly formed; a rich, solid crimson. Each 15c.

LITTLE WHITE PET.—Very handsome pure white; perfect shaded. Hardy. Each 10c.

CLOTHILDE SOUPERT.—This hybrid polyantha Tea rose has become one of the most popular. Flowers full double, pure white shading to a center of rosy pink. Blooms constantly. Each 10c.

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 3½ to 4 inches in diameter. The color is a very delicate creamy white. Each 10c.

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 flowers are frequently 6 inches across. Each 15c.

BEAUTY INCONSTANT.—A 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 20c.

SUNSET.—This exquisite orange yellow variety is one of the finest Tea Roses grown. The flowers are large and double. It is deliciously fragrant, a strong growing and free flowering variety. Each 10c.

METEOR.—A rich, dark, velvety crimson, ever-blooming rose; flowers of good size, very double and perfect in shape, either as a bud or when fully opened. A splendid sort for pot culture, and the best of all the Hybrid Teas as a bedding variety for summer cut flowers. Each 10c.



METEOR.



MOSELLA FAIRY ROSE.

BEAUTIFUL HARDY ROSES.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. Nothing is more beautiful than a nice hedge of these roses. In the newer varieties the season of bloom is extended throughout the summer although the grandest show of flowers is still made in the spring and autumn. The cheaper roses below named are growing plants, from pots, while the larger sizes are *strong, hardy out-door grown plants* which have been kept dormant. These can be planted outside early in spring, before it is safe to set out plants that are growing in pots, and are ready to begin blooming almost as soon as set out. We can supply these from the time this catalogue is issued up to May 1st. The following varieties have proved to be the most satisfactory and we have discarded many varieties largely advertised by others, believing that it is to our customers' interests to plant only the best. REMEMBER WE PREPAY THE POSTAGE or express charges on all these plants at price named.

GLORIE DE MARGOTTIN.—This grand new Hybrid Perpetual Rose is believed to be one of the very finest varieties of recent years. Flowers very large and of symmetrical form, somewhat globular, very full and deliciously scented. The color is a clear dazzling red. Certainly one of the most brilliant Roses ever seen. It is a free bloomer and vigorous grower, and is recommended for great beauty and wonderful color. Each 15c. Dormant 35c.

AMERICAN BEAUTY.—One of the best and most valuable roses, both for garden and house culture. Color rosy crimson, exquisitely shaded and very handsome. Extra large full flowers, exceedingly sweet, makes magnificent buds, very hardy and a constant bloomer. Each 15c. Dormant 35c.

GENERAL JACQUEMINOT.—One of the grandest roses in existence. Sure to delight every lover of the beautiful, as nothing can surpass them in beauty. Color a rich dazzling scarlet, shaded with deep, velvety crimson, making a superb glowing color. Flowers large; free bloomer. Each 15c. Dormant 30c.

LA FRANCE.—Peach-blossom pink, the model garden Rose; blooms all summer. Undoubtedly the most perfect type of a cut-flower rose. No variety surpasses it in delicate coloring—silvery roses, shaded pink with satiny sheen. Each 15c. Dormant 30c.

BARON DE BONSTETTEN. (*The Black Rose.*)—Has splendid large flowers, very double and full. The color of this rose is a rich dark red, passing to a deep velvety maroon, nearly black. It is highly scented and very beautiful. Each 15c. Dormant 35c.

MADAME PLANIER.—As a cemetery rose it is still without a rival. Flowers borne in great profusion, pure white, hardy as an oak, and as certain to grow as grass. Blooms in June. Each 15c. Dormant 30c.

PERSIAN YELLOW.—Perfectly hardy; flowers double and full, deep golden yellow in color. Blooms very freely in June. The finest hardy yellow rose grown. Dormant 35c.

ENGLISH SWEET BRIAR.—Very desirable for shrubberies and general planting. Flowers are bright pink and single, but the exquisite fragrance of the flowers, leaves and young branches in spring frequently perfume a whole neighborhood. Dormant 30c.

CRIMSON RAMBLER.—This beautiful rose is truly a most desirable climbing variety. When the shoots are fastened down, or it is grown in a bush form, marvelous heads of bloom are the result. As a pot plant it is unequalled for decorative purposes. It is exceedingly hardy. The flowers with which the plant is covered in the spring are produced in large trusses of pyramidal form and of the brightest crimson color. The blooms remain on the plant for a great length of time without losing their brightness. Each 10c. Strong dormant plants 30c.

YELLOW RAMBLER.—Grand new variety like above except that it is golden yellow and is one of the most satisfactory sorts. Each 15c. Dormant 30c.



GENERAL JACQUEMINOT ROSE.

MRS. JOHN LAING.—A constant bloomer from spring until after hard frost, and its flowers are simply faultless in shape and outline, while the color is the most exquisite shade of silvery pink. Each 15c. Dormant 30c.

PAUL NEYRON.—Immense double flowers, of shining carmine-pink. Largest rose known; perfectly grand. Each 15c. Dormant 30c.

DINSMORE.—We cannot praise this enough. Always in bloom, with large, finely imbricated flowers of a rich, bright crimson. Rather bushy and compact growth. Each 15c. Dormant 30c.

ULRICH BRUNNER.—A splendid Rose either for garden or forcing. It is of a rich, glowing crimson scarlet color; produces flowers of exquisite shape. Each 15c. Dormant 35c.

GENERAL WASHINGTON.—Brilliant crimson, very rich and beautiful; large, perfectly double and free bloomer. Each 15c. Dormant 30c.

DUCHESS OF ALBANY.—The flowers are deep pink, very large and full, highly perfumed and in all respects of first quality. The plant is of strong, healthy growth and blooms abundantly. Each 15c. Dormant 30c.

MAGNA CHARTA.—Dark pink; very pretty. Each 15c. Dormant 30c.

COUQUETTE DES ALPES.—White; a fine variety. Each 15c. Dormant 30c.



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CRIMSON RAMBLER ROSE.

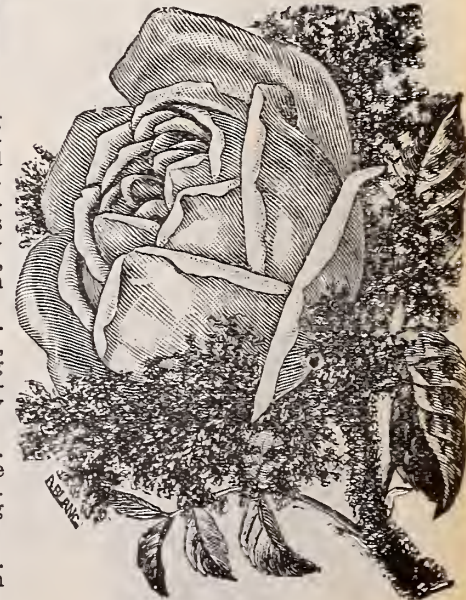
MANDA'S TRIUMPH.—A beautiful double white climbing rose. It is a very rapid, sturdy grower, and bears a profusion of double, pure white, beautifully imbricated flowers. Elegant for cemetery. Each 15c. Dormant 35c.

MARY WASHINGTON.—A hardy, perpetual blooming climber, producing double snow white blossoms from June until frost. In this lovely rose our first president took special delight, and named after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c. Dormant 30c.

WHITE MEMORIAL ROSE.—(*Wichuriana.*)—The finest rose for cemetery planting. Has dark green leaves, and creeps on the ground like an ivy rapidly branching and quickly covers any surface. The flowers are single, pure white with golden yellow stamens; perfectly hardy. Each 10c. Dormant 25c.

MOSS ROSES.—The acknowledged queen of all roses. The moss-covered stems and buds show off the delicate loveliness of the blossom to great advantage. Hardy. We can furnish either crimson, pink or white in strong dormant plants, at 30c each.

PRAIRIE QUEEN.—Hardy climber; carmine pink.
BALTIMORE BELLE.—Rose color; double flowers in clusters; climbing.
GREVILLE, or SEVEN SISTERS.—Clustering flowers, varying from white to crimson; Hardy climber. Any of these, dormant 30c each.



MOSS ROSE.



MARY WASHINGTON ROSE.

HARDY SHRUBS.

If you have a home of your own better add permanent improvements by setting out an assortment of Hardy Shrubs. It costs but little to begin with and you will in a few years have a place to be proud of. There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. Our price is for strong, healthy plants sent by mail or express prepaid.

LILY OF VALLEY SHRUB.—(*Andromeda*). One of the most beautiful flowering shrubs and one which is very highly prized and sought after in Europe where they consider it one of the finest of all American plants. Because of its being somewhat difficult to propagate it has never been properly introduced to the American trade, but when once known it will soon become popular, as it is one of the most desirable shrubs grown. It is of dwarf, compact growth (2 to 3 feet high) the foliage is a rich dark green similar to Privet and in June it is loaded with a great profusion of spikes of bloom three to eight inches in length. The flowers are pure wax white, drooping like little bells and bear a great resemblance to Lily of the Valley. Plants are conspicuous throughout the season on account of their fine form and foliage. It is almost an evergreen, but should be protected with straw during coldest winter weather. Each 40c.

ALTHEA.—(*Rose of Sharon*). Strong, erect-growing shrubs of the easiest culture bearing a profusion of large, showy flowers in the fall when but few other shrubs are in bloom. We can furnish either the Double White, Double Red or Double Variegated @ 25c each.

CALYCANTHUS.—A beautiful sweet-scented shrub; flowers purple, quite double, exquisitely fragrant and borne in profusion during the entire season. Each 15c, large size 25c.

FLOWERING ALMOND.—One of the earliest flowering and finest shrubs. Loaded with double pink and white flowers which attract a great deal of attention, and no one can help admiring them. Either color 25c each.

ELEAGNUS LONGIPES.—A very desirable, nearly evergreen shrub; the branches are thickly studded with tiny brown dots or scales; giving a rusty appearance, contrasting strikingly with the light hue of the foliage, which is silvered on the under surface with little white scales. The abundant crop of orange-colored fruit, dotted with small ferruginous specks, is a very attractive feature during the summer. Each 30c.

LILAC, Purple.—A well-known, strong-growing shrub, bearing large, fragrant clusters of flowers early in spring. Each 20c.

LILAC, White.—Like above, but has white flowers, making it more desired by some. Each 25c.

SNOWBALL.—A well known and popular shrub, which grows to large size, covered with dense spherical clusters of white flowers, which gives it its name. Each 25c. Large 40c.

JAPAN SNOWBALL.—A valuable improvement on the above, the flowers being smaller and more numerous, there frequently being as many as twenty balls on a stem 18 inches long. The balls all face upwards and thus better show their beauty. Each 35c.

HYDRANGEA PANICULATA GRANDIFLORA.—The grandest as well as the most popular of all shrubs, and hundreds of thousands of them are sold every year and the demand is constantly increasing. Unsurpassed for the lawn, as a hedge or for cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities and needs no protection in winter; blooms the first and every season in July and August and continues in bloom for two or three months, the flowers are massive, cone-shaped, often measuring 10 inches in length, and have a pleasing variation of color, changing from the original pure white to pink, and finally a beautiful, rich coppery red. Each 15c. doz. \$1.25. Large dormant plants each 35c. doz. \$2.50.

WEIGELA.—Superb, large trumpet-shaped flowers in June and July, of all shades from white to dark red. Each 25c.



LILY OF VALLEY SHRUB.

SWEET PEA SHRUB.—The shrub of shrubs for bouquet 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 which are of the size and shape of the most lovely sweet peas. Each 25c.

FORSYTHIA.—(*Golden Bell*). A fine, hardy shrub of weeping or pendulous habit; glossy, deep green leaves and bright yellow flowers. Blooms early in spring. Each 15c.

SPIRAEA—Van Houtti.—The hardiest of all the Spiræes. The bushes form fine, compact clumps. The pure white flowers are borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of "a snow bank of white bloom." Each 25c.

SPIRAEA—Frunifolia.—*Bridal Veil.*—Very beautiful; erect habit of growth; flowers pure white borne in great profusion. Each 15c.

SPIRAEA—Anthony Waterer. A new and remarkably valuable and distinct variety. It outshines all other spiræes in brilliancy of color, being of a bright crimson; it is of dwarfer and denser growth, never exceeding 15 inches in height and a profuse and persistent bloomer the entire summer and fall. Each 25c.

SYRINGIA. (*Mock Orange*).—A handsome foliaged shrub bearing immense masses of pure white, intensely fragrant flowers in June. Each 25c.



HYDRANGEA PANICULATA GRANDIFLORA.

SAMBUCUS AUREA.—The beautiful golden leaved Elder which is so showy on lawns. Each 25c.

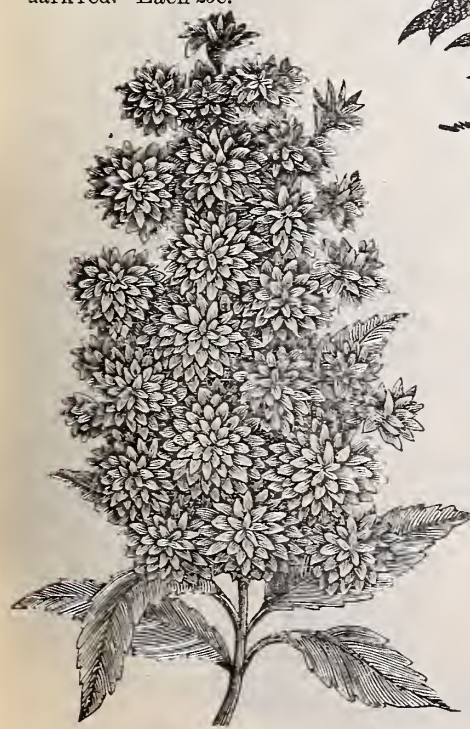
PURPLE FRINGE. (*Smoke Tree*).—Have very curious blooms which when covered with dew greatly resemble a cloud of smoke or mist. Each 25c.

DEUTZIA, PRIDE OF ROCHESTER.—By far the handsomest variety of Deutzias. It is a very desirable shrub of strong, hardy growth with nice luxuriant foliage and bearing an abundance of beautiful racemes of double, pure white flowers. Must be seen to be appreciated. Every one of our customers should have at least one of these choice shrubs in their yard, and we have made the prices so low that all can purchase. Strong plants. Each 25c.

DWARF POMEGRANATE.—A beautiful shrub bearing large double bright scarlet flowers. Very popular in the south, but must be kept in the cellar over winter in the northern states. Each 25c.

XANTHOCERAS.—A pretty shrub producing long racemes of beautiful, pure white flowers with copper-colored streaks at the base of petals. When the plant blooms, in May, the flowers are so numerous as to almost conceal the foliage. We consider this one of the finest of all shrubs. It begins blooming when only a few inches high, but grows to a height of 8 to 10 feet. Foliage handsome light green resembling the Mountain Ash. This fine shrub will add beauty to the most magnificent home. Each 25c.

TAMARIX.—This is one of the finest additions to our list of hardy shrubs. The foliage is light, feathery, graceful; sage blue in color; very ornamental. Blooms through summer and autumn. Many persons call this the most elegant of all shrubs as well as the easiest grown. It seems to thrive in any soil or location, but appreciates good treatment. Is considered invaluable for planting by the seashore as it will grow in poor, sandy soil and in the most bleak, exposed places. Does equally well in city yards where it is exposed to smoke and dust and is always a thing of beauty. Each 15c.



PRIDE OF ROCHESTER DEUTZIA.

PERMANENT IMPROVEMENT COLLECTION

CONSISTS OF

- 4 Choice Hardy Shrubs,
- 4 Ornamental Vines,
- 2 Elegant Hardy Roses.

Our selection of varieties, but all different and all very desirable,

FOR \$1.00.

HARDY VINES.

In making a home plan for future beauty, comfort and happiness by planting a variety of hardy clematis ornamental shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay the charges.

CLEMATIS, Jackmanii.—Most magnificent and showy vine in existence; of strong, healthy growth, perfectly hardy and sure to succeed anywhere. Flowers four to six inches in diameter, of a rich, deep velvety purple, distinctly veined. It is a prince among all hardy flowering vines. We presume every one of our customers who sees it bloom each summer promises to plant it in his own yard or garden at the next opportunity. It is especially adapted to open lawns or house fronts in the city or country. Perfectly hardy; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Small plants 25c each, strong field grown 50c each. Extra large three year old roots \$1.00 each.

CLEMATIS, Henryii.—This is the finest of all white Clematis, and should find a place in every collection. It is not only a vigorous grower, but is a remarkably free and continuous bloomer, beginning with the earliest and holding on with the latest. Flowers large, about the size Jackmanii, beautiful creamy white. Strong large roots. Each 75c; smaller 35c.

VIRGIN'S BOWER.—A very handsome variety of the Clematis, growing to a height of 20 feet and making a nice shade for porches, arbors, etc. The first season the plant grows 10 to 12 feet and it is covered with thousands of pure white flowers, which are delightfully fragrant, and it blooms from July to September.

The vine is perfectly hardy, rapid growing and graceful, and will succeed everywhere. Each 15c.

CLEMATIS, Paniculata.—One of the finest climbers of rapid growth, quickly covering trellises and arbors with handsome, clean, glossy green foliage. The flowers are of medium size, pure white, borne in immense sheets and of a most delicious and penetrating fragrance. The flowers appear in September, at a season when few other vines are in bloom. The extreme rapidity of growth, the showy foliage, beautiful and fragrant flowers and hardiness, serve to make this one of the very choicest of recent introductions. Strong plants 35c each.

CLEMATIS Coccinea.—Bears handsome bell-shaped flowers of a bright coral red color; blooms with wonderful profusion from June until frost. Each 35c.

COLLECTION. A nice plant each of the above five kinds of Clematis for only 88 Cents postpaid. A great bargain. Regular price \$1.45.



CLEMATIS JACKMANII.

CLEMATIS HENRYII.

CLEMATIS PANICULATA.

APIOS TUBEROSA.—A valuable hardy tuberous-rooted climber, resembling in miniature the common Wistaria in vine and foliage, and having clusters of rich deep purple flowers, which have a strong, delicious violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs near together to produce a mass of vines and flowers. Each 5c, doz. 40c.

AKEBIA QUINATA.—One of the best climbers, bearing numberless bunches of violet brown flowers, which have a pleasant cinnamon odor. It begins to bloom early in the spring, and continues several weeks. In good soil and location it will grow 30 to 40 feet high. 25c each, \$2.50 per doz.

AMPELOPSIS VEITCHII. (*Boston Ivy*).—This is one of the finest climbers we know of for covering walls, as it clings firmly to the smoothest surface. The leaves, which at first are of an olive green color, change to bright scarlet in the autumn. This variety becomes more popular every season, and is without question one of the very best climbing plants for covering brick, stone or wooden walls that can be grown. Each 15c. Large plants 25c.

BIGNONIA RADICANS. (*Trumpet Creeper*).—Another good, old fashioned hardy climber. It has clusters of large, trumpet-shaped, crimson-orange flowers. Grows in almost any soil and under trying conditions; hardy. Each 10c. Large plants 25c.

CINNAMON VINE.—Perfectly hardy, a rapid grower, has beautiful heart-shaped, bright green leaves, and clusters of white flowers. Large tubers. Each 10c, doz. 85c.

CALYSTEGIA.—An excellent rapid growing hardy vine coming up from the roots each year. Bears a profusion of beautiful double pink flowers. Each 15c, doz. \$1.50.

CHINESE MATRIMONY VINE.—A vigorous, hardy plant which sends out numerous side branches, so that it covers a great amount of space. Bright purple flowers succeeded by scarlet berries. Each 15c, doz. \$1.25.

BLUE CHINESE WISTARIA.—A very rapid grower, and one of the most beautiful of all climbers. It is perfectly hardy, climbing to a height of fifty feet; when covered with bloom is magnificent. Each 20c.

WHITE WISTARIA.—Like above but has pure white flowers and is a lovely climber. Each 25c.

WOODBINE. (*Virginia Creeper*).—A strong, rapid grower; foliage large dark green; in autumn bronze and bright crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 15c, doz. \$1.25.

RED CORAL HONEYSUCKLE. (*Scarlet Trumpet*).—There is nothing prettier than this; the foliage is pretty, neat and clean; the bright red, trumpet-shaped, fragrant flowers nearly continuous. Each 25c.

HALL'S JAPAN HONEYSUCKLE.—A constant bloomer; flowers pure white changing to yellow, fragrant; for trellis or pillar. Each 20c.

HARDY BLUE SOLANUM.—A beautiful perennial vine of rapid growth. The handsomely cut foliage makes a beautiful shade for porch or arbor and is also desirable to train along fences, etc. It is covered during the summer months with hundreds of clusters of blue flowers, brightly set off with golden stamens, clusters measuring 15 inches in circumference, and often attaining a length of 12 inches. It is a superior plant of ironclad hardiness. The flowers are succeeded by bright scarlet berries. When you consider its handsome foliage, beautiful flowers and berries and hardiness, it is difficult to find a more satisfactory climber. Strong one-year-old plants of above 25c each. doz. \$2.00.



APIOS TUBEROSA.



HARDY PERENNIAL PLANTS.

It is really wonderful the immense demand which there has been during the past few years, our trade in this line multiplying fourfold every year. Our customers are learning that they require less care and are more satisfactory with ordinary culture than most other classes of plants. When once set out they bloom year after year, the flowers really becoming better as the plants grow older. These varieties are all hardy, the tops dying down every winter, but coming up again in the spring. It is well to cover with leaves or litter after ground is frozen. We pay the postage on all of these and you may select \$1.25 worth at the single rate for \$1.00.

ACHILLEA.—The Pearl—Beyond question the finest of all plants for cemetery planting. The flowers are good sized, forming a beautiful plant eighteen inches high, completely covered with pure white flowers from July till frost. We cannot too highly recommend this for general planting. Our cut shows one of the numerous heads of bloom with which the plant is covered. Each 10c, doz. 75c.

GAILARDIA GRANDIFLORA.—These are among the showiest and most effective of hardy perennial plants; beginning to flower in June, they continue one mass of bloom the entire season: they will thrive in almost any position or in any soil, but respond freely to liberal feeding. Being perfectly hardy they require absolutely no protection, taking care of themselves. The flowers are large, from 2½ to 3½ inches in diameter. They are produced on long stems, and are excellent for cutting, and of the most gorgeous coloring. The centre is dark red brown, while the petals are variously marked with rings of brilliant scarlet crimson, orange and vermilion, and often a combination of all these colors in one flower. Each 15c, doz. \$1.50

LILY OF THE VALLEY.—A bed of these planted in some shady nook will prove satisfactory as their pure white flowers are always desirable. 4 for 15c, doz. 35c.

NEW GOLDEN COREOPSIS. (*Lanceolata.*)—One of the most showy hardy perennials grown, forming tall plants two or three feet high, and bearing in great profusion for a long period during the summer, and until cut down by severe freezing weather, large flowers of bright golden yellow. The flowers, which are of graceful form, are invaluable for cutting for decorative purposes; it is easily grown, is perfectly hardy and succeeds in almost any position, and after once planted takes care of itself. Each 15c, doz. \$1.25.

GRASS PINKS.—The hardy and pretty clove-scented flowers which our grandmothers loved. Their fragrance is quickly noticed by anyone passing by the yard where they are grown, before seeing the flowers. Flowers are double semi-double and single, and range from pure white to dark pink and red. Each 15c, doz. \$1.25.

ORNAMENTAL GRASS.—The common striped grass—no two leaves alike. Pretty for clumps or borders. Each 10c, doz. 75c.



PEARL ACHILLEA.

ACHILLEA MILLEFOLIUM ROSEUM.—Finely cut deep green foliage. Bears a mass of handsome bright

pink flowers in heads or umbels. Well worth growing, both as a border plant and for cutting. 15c each, \$1.50 per doz.

AQUILEGIA.—These beautiful flowers, often called Columbines, are always beautiful and attractive reminding one of the woods. We have many handsome colors in our mixture. Each 15c, doz. \$1.25.

BLUE BELLS.—No one can help loving the beautiful "Blue Bells of Scotland" and they are just as beautiful when grown here. The poets have sung their praises more than all most any other flower. Each 15c, doz. \$1.25.

CANTERBURY BELLS.—We can furnish both double and single in assorted colors. Each 15c, doz. \$1.25.

BABY'S BREATH or MIST. (*Gypsophila Paniculata.*)—A beautiful old fashioned perennial, possessing a grace not found in any other perennial, and attracting the eye of everyone. When in bloom it forms a symmetrical mass 2 to 3 feet in height, of minute pure white flowers, giving it a beautiful gauze-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers, and some lovely effects can be produced with it. 15c each, \$1.50 per doz.

CRIMSON EYE HIBISCUS.—This elegant Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring twenty inches in circumference. The color is of the purest white, with a large spot of deep velvety crimson in the centre of each flower. It will succeed anywhere and is perfectly hardy. Each 15c, per doz. \$1.25.

JAPANESE IRIS. (*Kaempferi.*)—These magnificent Iris are among the most beautiful of our summer flowering plants and are marvels of elegance and stateliness. Think of a plant sending up to the height of three feet a dozen flower spikes, each spike bearing two to four blossoms eight or ten inches across, and of the most delicate and beautiful colors, markings and combinations. Think of a bed of all colors—white, indigo, violet, lavender, mauve, sky blue, royal purple, bluish, yellow, etc. Your imagination can conceive of nothing grander, and they are even more grand and beautiful than your imagination can portray. Once planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Double and single, mixed. Each 15c, doz. \$1.25.

GERMAN IRIS.—The true "Fleur-de-Lis," the national flower of France; perfectly hardy, grow and bloom luxuriantly anywhere, particularly in moist situations. Mixed colors. Each 10c, doz. 85c.

HOLLYHOCKS.—We have the choicest varieties of these stately plants, mixed colors. Strong plants each 20c, doz. \$2.00.

LYSIMACHIA.—A small creeping plant sometimes called "Creeping Jenny;" quite useful for borders and cemetery planting, forming a close mat of green foliage. Each 10c, doz. 75c.

PARDANTHUS. (*Blackberry Lily.*)—Quite curious and handsome. Flowers orange color spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters exactly like a blackberry in size, shape and color. Each 10c, 3 for 25c, doz. 85c.

MONARDIA DIDIMA. (*Oswego Tea.*)—Flowers bright scarlet, produced in spikes. Each 10c, doz. 75c.

MYRTLE.—A handsome trailing plant largely used for cemetery planting. Has beautiful glossy dark green leaves forming a mat over the surface of the ground. Flowers heavenly blue. We know of one lawn made of these plants which is very showy and attracts the attention and admiration of every passer-by. Each 10c, doz. 75c, per 100 \$4.00.

GLECOMA. (*Variiegated Ground Ivy.*)—The foliage is a bright green, marked with pure white, and has a refreshing fragrance similar to mint. It grows very rapidly and is graceful and beautiful for hanging baskets or vases. It is also useful for planting in the open ground, as it is entirely hardy, ornamental, and makes a close, dense mat on the ground. Each 15c.



GAILARDIA GRANDIFLORA.



JAPANESE IRIS.



PARDANTHUS SINENSIS



PHLOX SUBULATA, OR MOSS PINK.

PHLOX SUBULATA.—*Moss Pink.* One of the finest of low, turf-growing plants, fine for carpeting under trees, around rock work, edging beds, etc. Early in spring is very showy with its cloud of bright pink blossoms. We do not understand why this is not more widely grown, for it is perfectly hardy, and will care for itself. Each 10c, dozen 50c.

HARDY PERENNIAL PHLOXES.—These are among the most useful and desirable of our hardy herbaceous plants, and should be planted largely. They succeed in any position, and can be used to advantage, either as single specimens in the mixed border, or as large clumps or beds in the garden or lawn. Our collection embraces the best new and old varieties mixed. Each 10c, doz. \$1.00.

FRINGED QUEEN PHLOX.—A novelty now offered for the first time and it is the most beautiful pure white variety ever sent out. The trusses or flower heads are of immense size and each floret is large and beautifully fringed or feathered. Each 25c, doz. \$2.25.



HELIANTHUS MULTIFLORUS PLENUS.

HELIANTHUS MULTIFLORUS PLENUS.—A plant that should be in every garden and one that will give entire satisfaction. The flowers are from three to four inches in diameter, as double as any Double Dahlia, and cover the plant from the ground to the top. Color a bright golden yellow. It should have a sunny position and rich soil. Each 10c, dozen 75c.

DELPHINIUM FORMOSUM.—(*Hardy Larkspur*). This is certainly one of the handsomest and most satisfactory of all the hardy herbaceous plants and should be planted extensively, even in the smallest garden; its long spikes of bright blue flowers are produced continually from June until frost. 20c each, \$1.75 per dozen.

DICENTRA SPECTABILIS.—The old Bleeding Heart, the flower of our childhood, which is as lovely to-day as then, though not so common. Bears in early spring long chains of pendulous bloom of exquisite beauty. Each 20c.

RUDBECKIA, GOLDEN GLOW.—A glorious new hardy plant that should find a place in every garden.

It is of fine habit, vigorous growth, with early, continuous and immense blooming qualities. It will be found excellent also for cut flower purposes. The stems are long and gracefully poised. The foliage is abundant and ornamental. It attains a height of from six to eight feet and a small plant set out in the spring will produce hundreds of blossoms during August and September, each one as large as a fair sized chrysanthemum. Thousands of flower lovers have admired this plant on our place. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 15c. Doz. \$1.25.

VIOLETS.—No one can help liking Violets, as the love for them began in childhood when we gathered the wild violets or "Johnny-jump-ups" in the woods. The new varieties are much improved having very large and sometimes double flowers. We have several choice kinds. Each 10c, doz. \$1.00.



YUCCA FILAMENTOSA.

YUCCA FILAMENTOSA.—(*Adam's Needle*). A tropical looking plant with long, narrow leaves that remain green the entire year. It grows in clumps and throws up a flower stalk from three to four feet in height, from which hang from 100 to 300 creamy white, bell-shaped flowers. It remains in bloom a long time. Strong 2-year plants. Each 20c, doz. \$1.75.

HYPERICUM MOSERIANUM.—One of the very best herbaceous plants of recent introduction. The habit of the plant is free and graceful; it produces long, slender stems, drooping, apparently from the weight of the flowers and buds, although the flowers face so that none of their beauty is lost. It is marvelously free flowering, of large size, measuring from 2 to 2½ inches in diameter; in color, a rich golden yellow, which is rendered still more effective by numerous yellow stamens and crimson anthers. Blooms continuously the entire season. Each 20c, doz. \$1.75.

DAY LILY—White. Pure white lily-shaped flowers borne in large clusters. Each 25c, doz. \$2.00.

DAY LILY—Blue. Like above only flowers are of a lovely blue color borne on tall spikes. Each 15c, dozen \$1.25c.

DOUBLE PÆONIES.—These are again becoming quite popular and some of the varieties are truly magnificent, almost rivalling the rose in brilliancy of color and perfection of bloom. Some of the varieties are very fragrant. They are perfectly hardy, require little or no care, and produce larger and finer blooms when well established.

Fragrance.—Large double flowers of a rich pink color and exquisite fragrance. Each 25c.

Double White.—Pure and fragrant. Enormous size; very double. There is always a great call for these and they are quite scarce. Each 35c.

Crimson.—The true, old, large, double crimson-scarlet Pæony of our grandmother's gardens. A grand flower of rich dark color. Each 25c.

Pink and Cream.—Outside petals pink, center bright straw color; very beautiful. Each 25c.

Humeii.—The largest variety in existence; handsome light roso color; late. Each 25c.

One plant each of the five Pæonies for \$1.00.



RUDBECKIA.

LEMON LILY.—(*Hemerocallis*). This handsome flower is not a true lily as the root is of different shape, but the flower is very much like the *Lilium Speciosum* in form and about 3 inches in diameter. The color is entirely different from all other sorts, being a clear lemon yellow of very bright and pleasing appearance. It has also a most delightful lemon fragrance. There seems to be almost no limit to the amount of bloom produced, each flower stem bearing 7 to 10 flowers. It is sure to bloom the first season and is the flower for everyone. Perfectly hardy and always prove entirely satisfactory. Each 20c, doz. \$1.75.



LEMON LILY.



DOUBLE HARDY PÆONIES.

SMALL FRUIT PLANTS.

Nothing is more healthful than fruit, and nothing more easily grown. Most of our customers can spare room for a small bed of strawberries, a few rows of raspberries, blackberries, currants or grapes, and what is more delicious than a dish of fruit from your own garden. Following prices are all for first class stock, carefully packed and charges prepaid except when otherwise noted. Fifty or more of any variety at the 100 rate. Orders for nursery stock must amount to at least 50c. Ask for special prices on large orders sending list of wants.

RASPBERRIES.

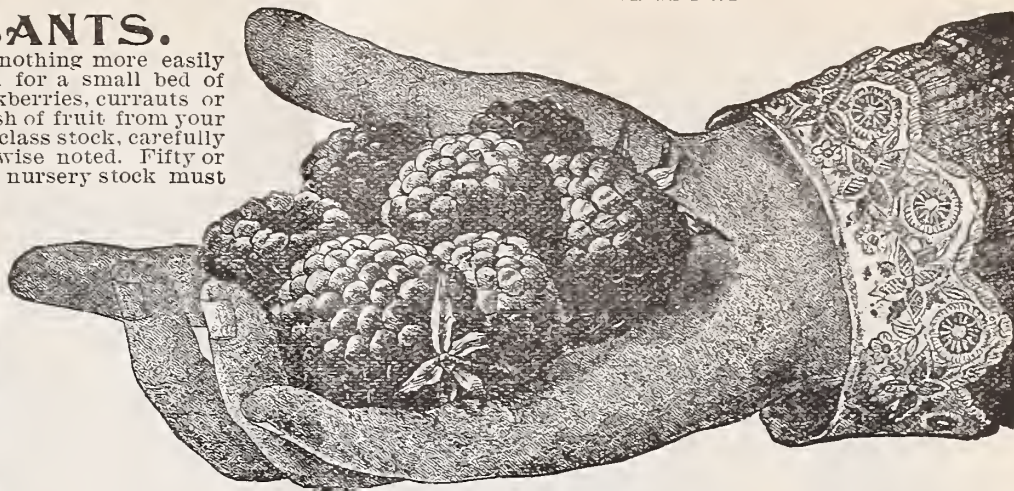
COLUMBIAN.—A seedling of the Cuthbert. Originated in New York. In color and fruit it closely resembles the Shaffer. Is moderately firm, nearly sweet. Little later than the Shaffer with longer season. Plants make a strong, vigorous growth. Each 20c. doz. \$1.00, postpaid. By express \$3.00 per 100.

OTHER VARIETIES.—We can also furnish Older, Kansas, Goldeu Queeu, Shaffer's Cuthbert, Gregg, or Ohio at 15c each, 65c per doz., postpaid. By express per 100 \$2.00.

REDFIELD.—A grand new variety introduced by us in 1895.

Berries are unusually large and luscious, somewhat similar to Shaffer'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 like the cap varieties. It throws up a great many branches of fruit from the old canes; and in our trial grounds, beside a great many old and new sorts it yielded three to four times as much fruit as any of them. But the crowning features of all are the unequalled flavor, which is superior to all others, and the fact that the berry is of unusually large size and holds together well instead of crumbling like the Shaffers. This holding of its shape is a grand point for market or canning, and will be appreciated by housewives. Don't fail to try it this year. Each 25c, doz. \$1.50 postpaid. By express \$5.00 per hundred.

CONRATH.—A blackcap coming originally from Michigan. Prof. Taft, of Michigan Experiment Station, who is a reliable authority, says in regard to Conrath: "As compared with Gregg I would say they are two weeks earlier, hardier, less subject to disease and fully equal to that variety when at its best in productiveness and quality of fruit." We have fruited this variety for three seasons, and have found it the most satisfactory black raspberry on our experimental grounds, as it is fully as large and much earlier, hardier and productive than the Gregg. We recommend it to all our customers. Price 15c each, \$1.00 per doz. postpaid. \$3.00 per 100 by express.



REDFIELD RASPBERRY.



CONRATH RASPBERRY.

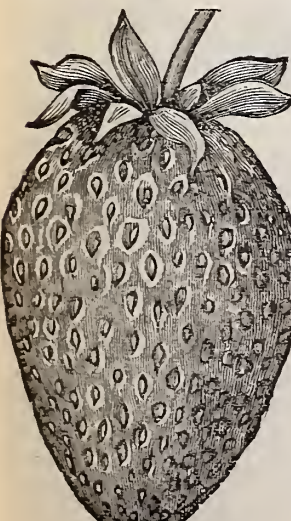
GOOSEBERRIES.

INDUSTRY.—The best English sort yet introduced in this country. Berries are very large, 1 to 1½ inches in diameter, of most excellent flavor. Color dark red when fully ripe. Under favorable conditions it bears immense crops. Each 25c. doz. \$2.25, postpaid.

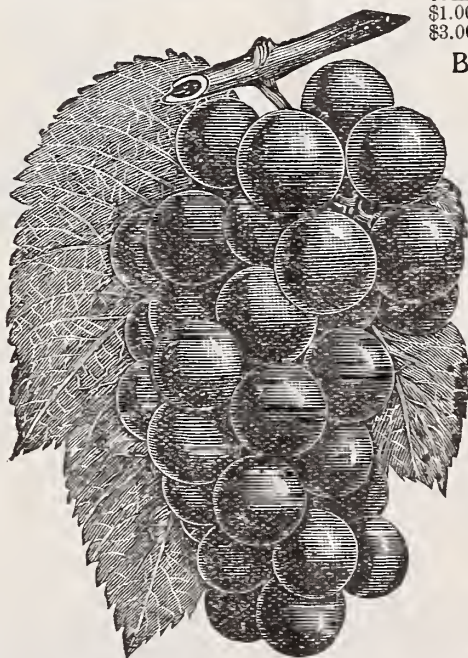
DOWNING and HOUGHTON.—Each 20c, doz. \$1.25.

CURRANTS.

NORTH STAR.—Very vigorous and perfectly hardy. The bunches are long, well filled, fruit large and of superior quality, very sweet and rich. The fruit is borne in the greatest profusion, and the berries are half an inch in diameter. Each 20c, doz. \$1.50, postpaid.



PARKER EARLE.



MOORE'S EARLY.

FAY'S PROLIFIC.—One of the best and most prolific varieties; and other standard sorts. Each 15c, doz. \$1.00, postpaid.

Worden, an improved Concord. Agawam, best red variety. Brighton, desirable red. Pocklington, golden yellow color. Any of above each 20c, doz. \$1.50, postpaid. By express per 100 \$4.00.

STRAWBERRIES.

Those marked (p) have imperfect flowers, and a few plants of some perfect flowering variety must be planted near to fertilize them.

PARKER EARLE.—The best variety for family use, as it is a perfect-flowered sort, is robust and free from disease. Berry regular uniformly large, conical, with a neck glossy scarlet crimson, no hollow core, quality excellent, fruit borne in the greatest profusion, the rate of fifteen thousand quarts to the acre having been gathered. Doz. 40c, 100 \$1.50, postpaid. By express \$1.25 per 100, \$7.50 per 1000.

GREENVILLE.—(p). A very productive sort either for the market or home use. Of even, large size, early, firm, fine color and unsurpassed quality. Plants vigorous and healthy. Per doz. 30c, 100 \$1.25, postpaid. By express \$1.00 per 100, \$5.00 per 1000.

SEAFORD.—(p). A grand new variety. Larger than Bubach and several days earlier, producing fine glossy red berries. It is much more prolific than Bubach, flesh firm and of fine flavor. Per doz. 50c, per 100 \$1.75, postpaid. By express \$1.50 per 100, \$8.50 per 1000.

GARDNER.—Of extraordinary merit. It has a perfect flower and is a heavy polluizer. Berry shaped like Crescent, but much larger. Iron-clad in hardness, and has the delicious flavor of the wild strawberries, combined with large size, and is immensely productive. Per doz. 40c, per 100 \$1.50, postpaid. By express \$1.25 per 100, \$7.50 per 1000.

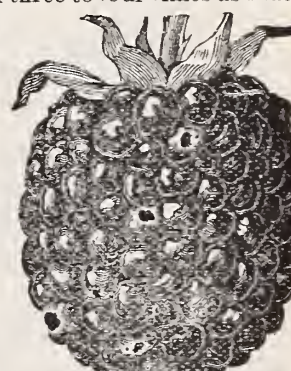
OTHER VARIETIES.—Bubach, (p). Warfield, (p). Bederwood, Jessie and Crescent seedling, (p). Per doz. 2c, per 100 \$1.00. By express 75c per 100, \$3.75 per 1000.

BLACKBERRIES.

Plant in rows 6 or 7 feet apart, 3 to 5 feet in row.

ERIE.—Wonderfully productive, bending the robust canes to the ground with the weight of fruit. This berry is of the very largest size, excellent quality, handsome and firm. It is the berry for both market and home. Each 15c, doz. \$1.00, postpaid. By express \$3.25 per 100.

OTHER VARIETIES.—Snyder and Stone's Hardy. Each 15c, doz. 75c, postpaid. By-express \$2.50 per 100.



ERIE BLACKBERRY.

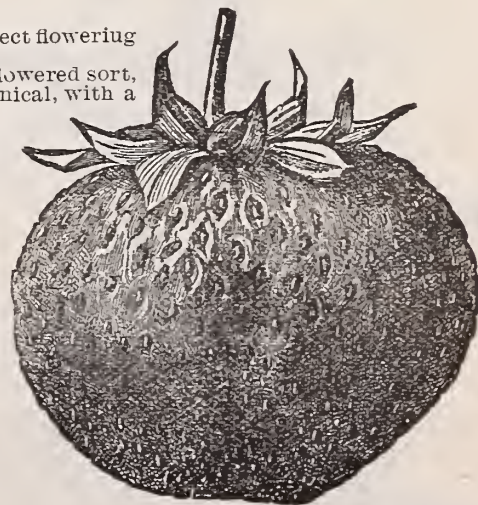
GRAPES.

NEW COLUMBIA.—Largest grape grown. The vines are hardy and vigorous. The immense fruit is of dark blue color, fine quality, productive, a long keeper and good shipper. Each 35c, doz. \$3.00, postpaid.

MOORE'S EARLY.—A most profitable black variety. Vine is even more hardy than its parent, Concord, while it ripens fully two weeks earlier, thus obtaining the advantage of larger prices ruling at the time and being more sure to ripen its entire crop in a short season. The berry is much larger than Concord, and quality almost identical. Each 25c, doz. \$1.75, postpaid. By express per 100 \$4.50.

NIAGARA.—Best white grape. Each 25c, doz. \$1.75. By express \$4.50 per 100.

OTHER VARIETIES.—Concord. The old standard. Cottage, best black grape for arbors. Agawam, best red variety. Brighton, desirable red. Pocklington, golden yellow color. Any of above each 20c, doz. \$1.50, postpaid. By express per 100 \$4.00.

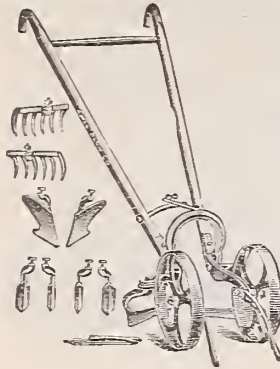


SEAFORD.

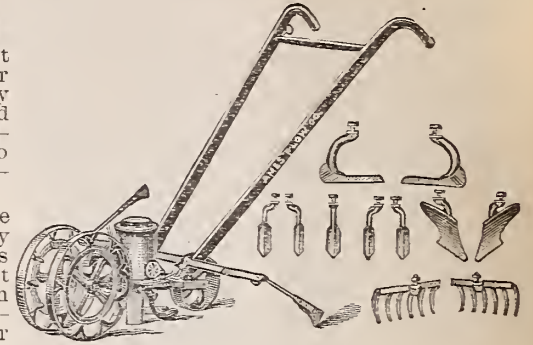
Tools and Implements.

To reduce the cost of gardening it is necessary to have the best tools. A good wheel hoe is as much superior to a common hoe for cultivating a garden as a mowing machine to the sickle in the hay field. All of the following tools have been thoroughly tested, and for their own particular class of work, have given splendid satisfaction. Price on most tools is somewhat higher this year owing to increased cost of manufacture. If you desire it, we will send illustrated and descriptive circular of Planet Jr. and Matthews' tools.

MATTHEWS' UNIVERSAL MODEL COMBINED DRILL.—We are convinced that this new tool is one of the best. For many years we used the Matthews' Seed Drill on our own farm, and this is improved in many ways. It sows perfectly all kinds of seed at any depth with mechanical precision, covering and rolling it down in the most approved manner; has a very complete set of cultivating attachments consisting of plows, hoes, rakes and cultivator teeth as shown in cut. Can be used either with one or two wheels and the seed hopper is detachable. Price only \$8.50; thus making it the cheapest combined drill and cultivator on the market.



UNIVERSAL DOUBLE WHEEL HOE.



MATTHEWS' UNIVERSAL MODEL COMBINED DRILL.

UNIVERSAL DOUBLE WHEEL HOE.—A greatly improved implement which will work both sides of the row at once in a most thorough manner. It has all the attachments shown in cut consisting of one pair each of hoes, plows, rakes, narrow cultivator teeth, and wide cultivator teeth. Also a pair of leaf lifters or vine guards which are quite a help when plants become large. The adjustable arch not only forms a means for gauging the depth of work to be performed; but, by an ingenious device enables the teeth to be pitched at any angle desired. This is especially advantageous for the hoe attachments, which are by far the most used of all. It is thoroughly well made and does all kinds of small cultivating to perfection. Price only \$5.25. We can also furnish this tool with only one pair of hoe blades for \$3.75.

PLANET JR. NO. 17, SINGLE WHEEL HOE.—Same as No. 15 except that it has only one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and the new No. 17 will doubtless be very popular. Price only \$4.75. Rakes extra 75c per pair.

PLANET JR. NO. 4 COMBINED SEEDER AND CULTIVATOR.—This latest improved tool is giving good satisfaction and it has many good points. It will drop the seed either in a continuous row or in hills, 6, 9, 12, 18 and 33 inches apart. The drill is easily detached and the tool frame substituted. Has all the attachments shown in cut. Price complete \$12.00. As a drill only, \$8.50. Attachments can afterwards be purchased for \$4.00 to make a complete machine.

PLANET JR. NO. 15 SINGLE WHEEL HOE.—The same as above only without the drill attachment. Price \$7.25.

PLANET JR. NO. 1 COMBINED DRILL AND CULTIVATOR.—This is the most popular tool we have ever sold. As a plow it opens furrows, covers them, hills, plows to and from, etc. As a hoe, it works safely to and from both sides of the row at once, or between rows. As a cultivator it is admirably adapted to deep mellowing of the soil. It sows all garden seed accurately at the desired depth. Each machine is sent out with the tools shown in the cut. Price \$10.50.



PLANET JR. NO. 8 HORSE HOE.

NO. 17 SINGLE WHEEL HOE.

NO. 12 DOUBLE WHEEL HOE.

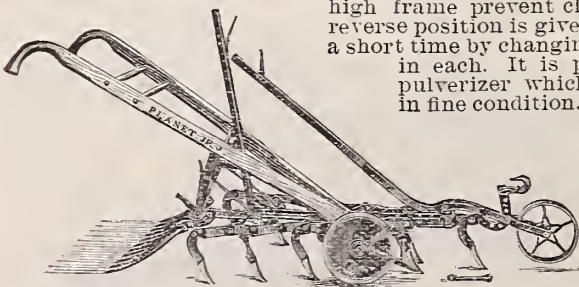
NO. 1 COMBINED DRILL.

NO. 4 COMBINED SEEDER AND CULTIVATOR.

PLANET JR. NO. 12 DOUBLE WHEEL HOE.—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until plants are eighteen inches high, then the wheels can be set to run close together and work between the rows. It will do the work of six men with ordinary hand hoes. Price \$7.25. Rakes extra 75c per pair.

PLANET JR. NO. 8 HORSE HOE.—Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, for it is in use throughout the civilized world. It is so strongly built as to stand incredible strain, yet it is light and easy to handle. The No. 8 combines all the latest improvements. Levers adjusting it in width and regulating the depth. Ask for circular giving full description. Price \$10.00.

PLANET JR. TWELVE-TOOTH HARROW.—For fine cultivation, either deep or shallow, this has no equal. The recurved throat and high frame prevent clogging, and the reverse position is given to the teeth in a short time by changing a single bolt in each. It is provided with a pulverizer which leaves ground in fine condition. Price \$10.00 or without pulverizer \$8.75. The Strawberry Runner Cutter, (also good for sweet potato vines) shown in cut is an extra. Price \$1.75.

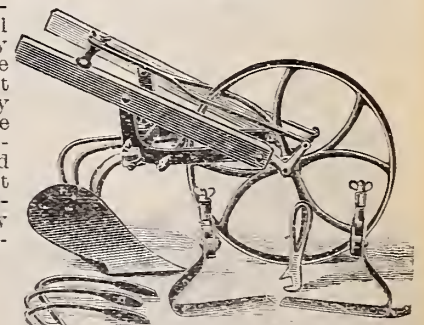


PLANET JR. TWELVE-TOOTH HARROW AND PULVERIZER

PLANET JR. NO. 3 SEED DRILL.—We regard this drill as the acme of perfection, and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seed in hills either 4, 6, 8, 12 or 24 inches apart. It opens the furrow, drops in hills or drills, covers, rolls down and marks the next row all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price \$11.00.

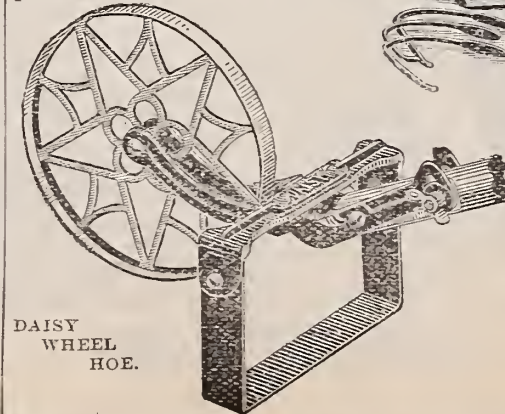
McGEE GARDEN CULTIVATOR or SPRING HOE.—Has two wheels connected by an arch attached to frames by a lateral spring, enabling the user to almost "finger-weed" the crop, as the machine is under such complete control. Onion growers claim that this is the best cultivator for onions. With each tool there is a pair of knives that operate as hoes, and a pair of cultivators. Price \$4.50.

HAWKEYE JR. CULTIVATOR.—We have thoroughly tested this new hand cultivator on our own place for three years and now take pleasure in offering it to our customers. It is light, strong, well made on a new principle, easily adjusted, and works with the least amount of exertion on part of operator so that a lady or boy can use it. The adjustable hoe blades are made of the best crucible spring steel, ground and polished; the plow is of the best shape, the "eagle claw" cultivating teeth seem to be perfectly adapted to the work. Price complete \$5.00.



HAWKEYE JR. CULTIVATOR.

ACME SEED DRILL.—A nice little machine which has been tested in all parts of the U. S. It will sow beet, cabbage, carrot, celery, lettuce, radish, turnip and all such seeds with perfect regularity. It is simple in construction and by its use you will save time, save seed, make the work easier and get a better stand. If a longer handle is desired it can easily be attached, but we make them short for convenience in shipping. Price \$1.25 or to persons who order seeds from us also, the price will be only \$1.00, charges prepaid.



DAISY WHEEL HOE.

DAISY WHEEL HOE.—A new tool which has been thoroughly tested and we are sure it will please everyone. The blade, which is of best steel, has two cutting edges and is pivoted so that it cuts with both the forward and backward stroke. It will cut out between plants in the row, and is adapted to all work required of such a tool. Only \$1.50.

Harness the "Old Man" Up!

And have him help you make garden this year with one of our



FIREFLY PLOWS

This is one of the nicest little tools imaginable. With it you can plow the ground, even if hard, by attaching ropes to the eyelet holes on each side of the wheel. It makes the care of the vegetable garden a pleasure, and 10,000 families who could not find time to keep a garden if attempting its cultivation their own vegetables the garden and attend

tivation with an ordinary hand hoe can raise successfully with the Firefly. Will both plow the garden and attend the season. The moldboard is tempered and polished steel. Price only \$2.50.

LITTLE GIANT HAND BROADCAST SEED SOWER.—Simple in construction, light, strong and durable, and the easiest running machine known, having no feed plate to carry, and only weighing three pounds complete. Will sow orchard grass, clover, timothy, wheat, etc. Even if you have only a small field to sow it will pay you to have one of these 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. Price \$2.00.

"HANDY" CORN SHELLER.—Heretofore hand corn shellers have been sold for \$2.50 to \$4.00 and the sale was, of course, limited. We predict a great run for this new kind which we now offer to our customers, as it is simple, strong, convenient and cheap. Can be used for shelling seed corn, popcorn, corn for chickens, etc. Weight 15 pounds. Price \$1.75.

"HANDY" CORN SHELLER. as it does the work perfectly. Also plants beans and seed corn equal to any corn planter. Price \$1.25.

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 it and live. We have used this trap on our own place for three years and consider it by far the best pattern on the market. Price only \$1.00.

KELLY PRUNING SHEARS.—Best for picking grapes, as it holds the bunch firmly until dropped in basket, enabling operator to do double the work. Price 75c, postpaid.

HOTBED THERMOMETER.—A tested ten-inch thermometer, incased in a round wood tube with open face and pointed brass bottom.—Each \$1.00.

TREE LABELS.—3½ inch, notched. 1,000 for 50c.

POT LABELS.—4-inch, pointed: per 1,000 for 6c.

RAFFIA.—Excellent for tying asparagus and other vegetables. Gardeners should try this. Per lb. 25c. 10 lbs. \$2.00.

GARDEN TROWELS.—5-in. 10c, by mail 15c; 6-in. 15c, by mail 20c.

FLORIST TROWELS.—Extra heavy, 40c, by mail 50c.

REDDICK MOLE TRAP.



LITTLE GIANT

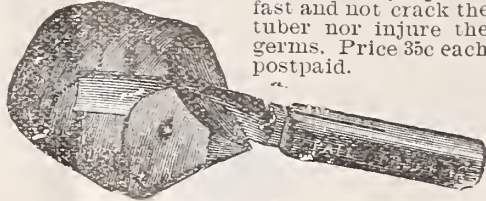


EUREKA POTATO PLANTER.



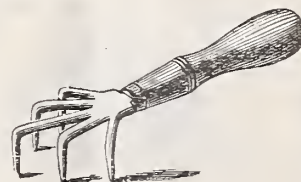
ROTARY CORN PLANTER.—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. It is easily worked and a most satisfactory tool in every way. Price \$1.50.

CONCAVED AND CURVED POTATO KNIFE.—For cutting seed potatoes. It is thin and of the right shape to cut one, two and three eye pieces fast and not crack the tuber nor injure the germs. Price 35c each postpaid.



POTATO KNIFE.

TRELLISES.—15c to \$2.00 each.
WATER'S TREE PRUNER.—The standard make: with 6 ft. pole, 80c; 8 ft., \$1.00; 10 ft., \$1.20.



EXCELSIOR WEEDING HOOK.

EXCELSIOR WEEDING HOOK.—Can be used to great advantage among small and tender plants. Price 10c. doz. \$1.10, or postpaid for 20c each.

HAZELTINE'S WEEDER.—Blade is solid steel, oil tempered and has five sharp edges. Price 30c, or postpaid for 35c each.

LANG'S HAND WEEDER.—It is, in our opinion, the best weeder made. Its special advantages over all other weeders of this class is that it has a band which passes over the fingers which, when the tool is not in use, gives full use to the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c; \$2.50 per doz.; 30c each, postpaid.

WIRE BRACKETS.—This new pattern is a very cheap and handsome bracket made of tinned wire. It is easily put up, adjustable, can be instantly removed, is simple, practical and durable. Price, 4-inch, 10c each, \$1.00 per doz.; 5-inch, 12c each, \$1.25 per doz.; 6-inch, 15c each, \$1.50 per doz.



NO. 10 PLANT STAND. WIRE WINDOW SHELVES.

—These can be fastened to window frames either inside or outside. They are strong and attractive. 36 in. long, 6 or 7 in. wide. The border is not as high as the engraving shows. Price \$1.00 each.



ROTARY PLANTER.

GARDENING TOOLS.—We have a great variety of ordinary and new shapes of hoes, rakes, lawn rakes, spades and all kinds of garden tools at reasonable prices.

LAWN MOWERS.—The best pattern. Ask for circulars and prices.



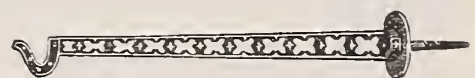
LANG'S HAND WEEDER
HANDIEST TOOL ON EARTH.

30¢
By Mail
PREPAID



WIRE BRACKET.

WIRE PLANT STANDS.—For strength, beauty of design and superior finish, our stands are unequalled, if equaled. The No. 10, illustrated herewith, is a very popular style. Price only \$4.50, or without the arch for \$3.50. Other styles at low prices. Illustrated list free.



SCREW BIRD CAGE HOOK.—The most popular style as it is inconspicuous, neat, cheap and makes only one hole in casing. Nice for bird cages or hanging baskets. Each 5c. Postpaid 12c.



POULTRY SUPPLIES.



MICA CRYSTAL GRIT.—This has proved to be the best on the market. It is hard, sharp and instead of grinding smooth like an ordinary stone it breaks off in such a way that it stays sharp. It is unequalled for poultry, pigeons and turkeys. Price 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00.

CONKEY'S ROUP CURE.—Claimed to be the only remedy that will positively cure roup in all its forms. It is guaranteed by the manufacturer. Full directions with each package. One package will make twenty-five gallons of medicine. Price 5 c. By mail 55c.

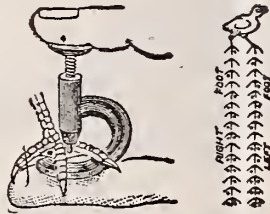
POULTRY WIRE NETTING.—The best made, thoroughly galvanized to prevent rusting, properly twisted, made of No. 19 wire and of 2-inch mesh. It is put up in rolls of 150 feet in length. Owing to unsettled state of the market we would prefer to have you write for prices stating size and quantity desired.

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation charges to be paid by purchaser except where noted. Ask for complete list.

CRUSHED OYSTER SHELLS.—This is a most important article for the poultry yard and should be supplied to the fowls liberally. Of superior quality. Your hens will keep healthier, lay better, and eggs will be more fertile if supplied with it. Price, 10 lbs. 25c; 25 lbs. 40c; 100 lbs. \$1.00.

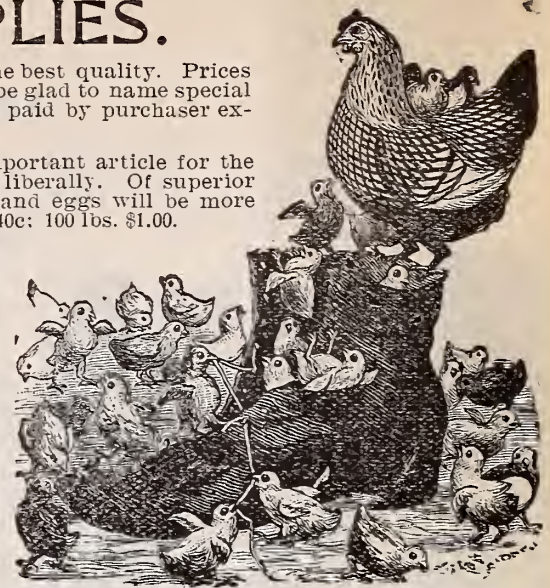
CRUSHED RAW BONE.—Really better than the shell, but it will pay to use both. Of the best quality, being manufactured from fresh bones. Price, 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.00.

FINE BONE MEAL.—Ground fine for feeding small chickens, also used as a lawn fertilizer. Price, 10 lbs. 45c; 25 lbs. 85c; 100 lbs. \$2.75.



PHILADELPHIA POULTRY MARKER.

PHILADELPHIA POULTRY MARKER.—A very convenient little spring puuch, as shown in cut, for marking chickens. Price 25c, postpaid.



IOWA LEG BAND.—Made of soft, pliable brass band which is far superior to any other material. The loop is bent up in such a shape that the strap part of the band is easily inserted and fastened and can be instantly adjusted to fit any bird from a pigeon to a turkey. Numbered with plain large figures. Price 20c per doz. \$1.00 per 100 postpaid.



INCUBATORS.—We can furnish the best make at factory prices. Write stating size wanted and we will quote.

LAMBERT'S DEATH TO LICE.—A cheap and effectual remedy for all kinds of poultry vermin, moths, lice on horses, cattle or plants, fleas on dogs, etc. Price per pkg. of about 1 lb. 25c, or by mail for 40c. Trial size 10c, or 29c postpaid.



GAPE WORM EXTRACTOR.—Price, each 15c. 4 for 50c, postpaid.
GALVANIZED STAPLES.—For fastening wire poultry netting. 10c per lb.
GLASS NEST EGGS.—5c each, 35c per doz., 4 doz. for \$1.00.
SPONGIA TABLETS.—For roup. Doz. 10c, 4 doz. for 25c, postpaid.

PRATT'S POULTRY FOOD

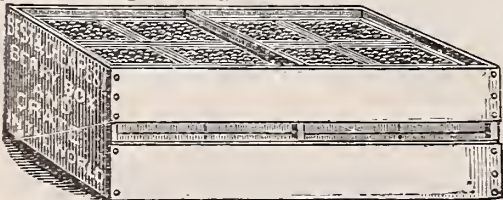


TRADE MARK REGISTERED. and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. It makes larger fowls, quicken the growth of young chicks, and sickly broods are never seen where it is used. Per 5-lb. pkg. 60c; 26 oz. pkg. 25c, postpaid 55c. Trial size 10c, postpaid 19c.

EUREKA VERMIN KILLER.—This new preparation has been thoroughly tested locally for three years with the best results and we are sure it will please our customers everywhere. It is put up in large packages containing three pounds of the powder which can be used for dusting through the feathers or into the corners of the poultry house. It is, however, as a Liquid Lice Killer that most of our customers use it. Mix one pkg. with two gallons of kerosene and apply to the roosts, nest boxes, dropping boards, etc., with a brush. Pkg. 50c.

FRUIT PACKAGES.

Being the oldest and largest dealers in the west in fruit packages, we can furnish you the best stock made, at low prices. Prices are subject to change during season.



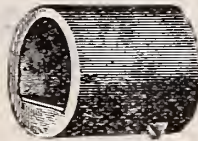
BERRY BOXES.—Made of the best white wood, heart stock, cut smoothly, and perfect shape; size 4 1/2 x 4 1/2 x 3 3/4, and will hold a wine measure quart. The bottom is set up for ventilation. They are usually put up in bundles of 500 boxes complete for shipment, and are all ready for putting together, which can be done very rapidly. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 35c; per 1,000 \$2.75. If a large lot is wanted ask for price.

ANNEALED TACKS.—For making boxes, per lb. 25c; 5 lbs. \$1.00.
FORMS.—To make boxes on. 25c each.
MAGNETIC TACK HAMMER.—Picks up the tacks and saves much of the labor. Price 15c each.

CRATES.—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with tight cover to protect from dust. We always ship in the flat or "knock down." They make cheap, strong and neat packages holding 16 or 24 quart boxes. 16-quart crates per 10 85c, per 100 \$7.25; 24-quart crates per 10 \$1.00; per 100 \$8.25.

CRATE NAILS.—Of barbed wire and far superior to any other. 12 lbs. (will make 100 crates) for \$1.00.

WIRE STAPLING MACHINE.—\$25.00.
STAPLING WIRE.—Per lb. 15c; coil of 12 lbs. \$1.00; 5 coils or more at 80c.



DRINKING FOUNTAIN.

STONEWARE DRINKING FOUNTAINS.—To keep the water cool and clean and prevent the birds from getting wet. Price, two-quart size, 25c doz. \$2.50; gallon size, 35c, doz. \$3.50; two-gallon size 50c, dozen \$5.00.

PRATT'S POULTRY FOOD.—Will keep hens in good health and cure chicken cholera and other diseases of chickens

CAPONIZING INSTRUMENTS.—Set \$2.50 by mail.

TESTED THERMOMETERS.—For incubators. Each 80c, postpaid.

CLOVER MEAL.—10 lbs. 40c; 25 lbs. 65c; 100 lbs. \$2.00.

DAISY BONE CUTTER.—Best for cutting green or fresh bone. Price \$15.00 or without legs \$13.00.

CROWN BONE CUTTER. On stand \$8.50

WILSON BONE MILL NO. 1.—Will grind either shell or dry bone and crack wheat or corn for the little chickens; grind charcoal to mix in soft feed; grind dry bread, etc. Price, \$5; our price \$4.50.



FRENCH POULTRY KILLING KNIFE.—Best and most humane method of killing. 50c postpaid.

EUREKA POULTRY TONIC.—This is a poultry food, medicine and tonic combined which has been thoroughly tested for several years past and given universal satisfaction. It keeps the fowls in good health, cures the ordinary diseases and has no superior as an egg producer. Price per three pound box 50 cents.

CLIMAX GRAPE BASKET.—Illustrated herewith is the best for shipping grapes, cherries, etc. It is of the standard 8 lb. size making a strong but light package. Baskets are nested for shipment with the covers and bent handles in separate packages: 10 for 50c; 25 for \$1.00; 100 for \$3.00. Ask for prices in large lots.

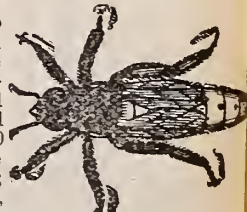


DIAMOND MARKET BASKET.—Per doz. 40c; 10 doz. \$3.50.

BEE SUPPLIES.

Best quality of everything in this line, mostly Root's manufacture. If a large lot is wanted send list for prices.

No. 1 Dovetailed Hive.—1 1/2 story hive for comb honey; a body with eight improved Hoffman thick-top frames and plain division board; one super with a follower and wedge; six section-holders with slotted separators, section and foundation starters for frames and sections, and nails. Price, made, \$2.10 each. In flat, \$1.65; 10 or more @ \$1.35 each. **No. 1 Hive Empty.**—Is the same hive leaving out sections and starters; everything else mentioned is included. Price, made, \$1.75 each; flat, \$1.40; 10 or more @ \$1.15.



Honey Sections.—4 1/4 in. 100 50c; 1,000 \$3.50. **Comb Foundation.**—Brood 50c lb. Surplus 60c lb. Postage 25c per lb. extra. **Daisy Foundation Fastener.**—\$1.00. **Novice Honey Extractor.**—\$8.00. **Parker's Foundation Fastener.**—25c each; By mail 40c. **Porter's Bee Escape.**—25c each postpaid. **Clark's Cold Blast Smoker.**—50c each; by mail 70c. **Tested Queens.** Can ship after April 1st. \$1.50 each. **No. 2 Veil.**—To protect from bees; 50c each postpaid. **A B C of Bee Culture.**—\$1.25 postpaid. **Daisy Foundation Roller.**—15c; by mail 18c; **Spur Wire Imbedder.**—15c; by mail 18c **Alley Queen Trap.**—50c; by mail 65c. Other kinds at Root's prices.



DAISY SPRAYING PUMP.

DAISY SPRAYING PUMP.—This popular little sprayer is shown by our illustration. We sell hundreds of these pumps which are used for spraying insecticides and whitewash in the poultry house, also for spraying fruit trees and plants. Can be changed so as to throw a solid stream of water 20 to 30 feet high and used for washing windows, buggies, etc. Price only \$1.00.

LIGHTNING ATOMIZER NO. 2.—Decidedly the best insect exterminator on the market. Made of the best brass with double tube and has double the capacity of any other atomizer that we know of, thoroughly covering a very wide space at each action of the handle, and the spray is so fine that it thoroughly covers both under and upper side of leaves, and everywhere that insects can find lodgment. The spray is so fine that one quart of liquid will spray 1,000 hills of potatoes. Invaluable for spraying plums, grapes, currants, melons and all other fruit and vegetable plants. We consider it fully equal to the more expensive machines for this purpose which are sold at \$12.00 to \$15.00 each. Price only \$1.00; postage 25c each additional.

Lightning Atomizer No. 2.

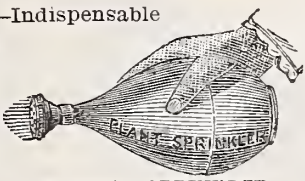


LIGHTNING ATOMIZER NO. 1.—Similar to above, but of cheaper material, and single tube. Price 60c; postage 30c additional.

FREE.—With each atomizer we send a circular explaining how to destroy all kinds of insects on trees, fruit, flowers and vegetable crops.

PERFECT PLANT FOOD.—An unsurpassed fertilizer for plants, which is prepared especially for plants grown in the house, garden or conservatory; clean, largely soluble in water, producing healthy plants, free from vermin, and early and abundant blossoms. Per lb. pkg. 25c, postpaid for 40c; ½ lb. pkg. 15c, postpaid for 25c.

SCOLLAY'S RUBBER SPRINKLERS.—Indispensable for floral work. Excellent for washing the foliage of house plants, and used largely for sprinkling clothes. Standard size, each...\$1.00; postpaid \$1.10. Small size, each... .60; postpaid .70.

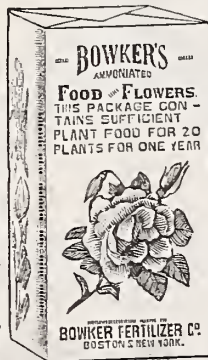


SCOLLAY SPRINKLER.

RUBBER HOSE.—Good strong quality which will please you. Per roll of 50 feet \$6.00.

Bowker's Ammoniated FOOD FOR FLOWERS

A fertilizer made especially for plants grown in the house, garden or conservatory; clean, free from offensive odor, largely soluble in water, producing healthy plants, and early and abundant blossoms, to which it imparts a rich and brilliant color. It starts plants at once into a vigorous and healthy growth and drives worms and insects from the soil. Large box containing sufficient for 20 plants for one year, 25c, or postpaid 40c. Small pkg. 15c, postpaid 25c.



HAMMOND'S SLUG SHOT.—A combination of the most potent insecticides and soluble plant food. It destroys all insects injurious to house and garden plants, shrubs, trees, vines, potatoes, melons, cabbages, currants and vegetables and fruits of all kinds. This preparation, though poisonous to insects, does not injure the foliage in the least, and acts in some measure as a fertilizer to the plants. When you order your seeds, if you have not tried Hammond's Slug Shot, order a five or ten lb. pkg. and use it as per directions given with each pkg. Not prepaid, 5 lbs. 30c; 10 lbs. 60c; 25 lbs. or more at 5c per lb.; by mail, postpaid, 1 lb. 25c, 4 lbs. 90c.



TRADE MARK.

DUSTERS.—For Hammond's Slug Shot, each 35c.
SULPHO-TOBACCO SOAP.—In our test this has proved the most effective of any insecticide and is perfectly safe to use. Its chief ingredient is the gum of the richest Virginia and Kentucky leaf tobacco. It is formed of whale oil and sulphur, in a soluble state, into a soap. The soap is easily dissolved in warm or cold water. Per 8 oz. pkg. 25c, or by mail, postpaid, 35c. Trial package 10c, or by mail 13c.

FLUTED FLOWER POTS.—A handsome new pattern. Price is the same as for common, plain pots, so they are sure to be popular. The following prices per dozen are for pots and saucers: 4-inch, 60c; 5-inch, 75c; 6-inch, \$1.00; 7-inch, \$1.50; 8-inch, \$2.40; 9-inch \$3.00. We make no charge for packing or delivering at the depot here. All orders for these must amount to at least \$1.00. Many styles of handsome pots, hanging baskets, jardiniere and vases at very low prices.

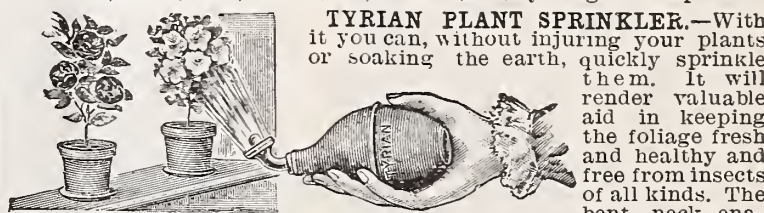


FLUTED FLOWER POT.

PERPETUATED PALMS.—These plants are made up of the natural palm leaves similar to the Latana Borbonica illustrated on colored pages of this book. The leaves are colored a natural green and made up into plants with fibre stems. They look very natural and keep nice for many years. Small 5-leaf plants \$1.25 larger \$2.00, large 7 leaf plants \$3.

CHILDREN'S GARDENING SETS.—Good, well made tools for the children. We sell thousands of these sets to our local customers. Can only be sent by express or freight. Price 10c, 25c, 50c, and \$1.00 per set.

LAWN FERTILIZER.—A plant food which will force a luxuriant growth, also a very desirable and beneficial fertilizer for garden use; 10 lbs. 60c, 25 lbs. \$1.00, 50 lbs. \$1.85, 100 lbs. \$3.50, by freight or express.



TYRIAN PLANT SPRINKLER.—With it you can, without injuring your plants or soaking the earth, quickly sprinkle them. It will render valuable aid in keeping the foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray the under side of the leaves which are usually the insects' hiding place. Postpaid for 75c each.

VALUABLE BOOKS.

It will pay you to read some of the following books which are sent postpaid on receipt of price.

- Henderson's Gardening for Profit**—New edition. By Peter Henderson. Price \$2.00.
- Onions: How to Raise Them Profitably.** Being the practical details by seventeen practical onion growers. Price 20c.
- The A B C of Potato Culture**—By T. B. Terry. Revised. Price 40c.
- Tomato Culture**—By A. I. Root. 135 pages. Price 35c.
- Celery for Profit**—A new book by T. Greiner. Price 20c.
- Vegetable Gardening**—By S. B. Green. A most practical book which is thoroughly up to date. 220 pages. Price \$1.25.
- New Onion Culture**—How to produce big crops by the new system. By T. Greiner. Price 50c.
- Asparagus Culture**—A quite complete book. Price 50c.
- Fitz's Sweet Potato Culture**—Cloth. Price 60c.
- E. P. Roe's Play and Profit in my Garden**—Price \$1.50.
- Henderson's Practical Floriculture**—New edition. Price \$1.50.
- Fuller's Grape Culturist**—By A. S. Fuller. Price \$1.50.
- Fuller's Small Fruit Culturist**—Price \$1.50.
- Clover Farming**—A complete hand book on Clover by Henry Wallace. Price 35c.
- Uncle Henry's Letters to Farm Boys.**—Farmers should present a copy of this book to their boys to help it them for life. Price 35c.
- Canning and Preserving.**—By Mrs S. T. Rorer. Price 40c.
- The Dahlia.**—The only American book on this subject, and it is a clear, concise, yet a comprehensive treatise. Beautifully illustrated. Should be in the hands of everyone. Price 50c. Our price only 25c.
- Feathered Pets.**—A most complete new book on Canaries, Parrots and all kinds of cage birds. 140 pages. Cloth 75c; paper 25c.
- Aquaria.**—A 64-page book on the care of Gold Fish, Aquariums, breeding fish profitably, etc. Cloth 50c; paper 15c.
- Practical Poultry Keeper.**—A very popular little book. Price 10c.
- Some of Lee's Ideas.**—On poultry breeding—illustrated. Price 25c.
- Possum Creek Poultry Club.**—By Uncle Rastus (J. H. Davis.) A humorous book of 110 pages on poultry culture. Price 35c.
- Pigeon Queries.**—Of interest to pigeon breeders. Price 25c.
- 500 Questions and Answers.**—On poultry breeding. Price 25c.
- A B C of Poultry.**—A practical book for the beginner. Price 25c.
- Low Cost Poultry Houses.**—Plans and specifications. Price 25c.
- SPECIAL.**—Any five of the above 25c books for \$1.00.

**The Earth Not Wanted!
Grow Them in Jadoo.**

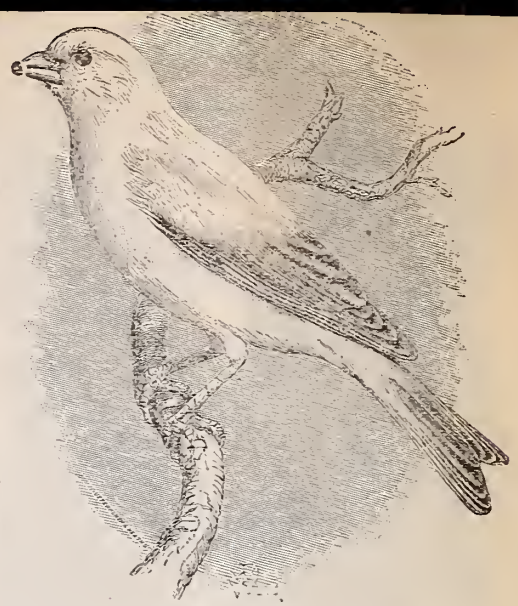
This is a new material for growing plants in and its great value has been testified to by thousands of persons during the past few years. Jadoo Fibre is far superior to any other material for potting plants in. It is light and loose so that the roots penetrate it easily. It will retain far more moisture than any soil and is a substitute for earth containing far more plant nutriment than the most richly fertilized soil that plants could live in. It can be mixed half and half with soil if desired. We use it to some extent in our own greenhouses and recommend it very highly to our customers. Price 30 cents per lb., 3 lbs. for 75c, by mail postpaid. By express or freight per lb. 10c, 3 lbs. 25c, 10 lbs. 60c, 25 lbs. \$1.00.

BIRDS.

"Little dewdrops of Celestial Melody."

The companionship of a bird has brightened the life of many a tired, over-worked mother on whom the daily cares and burdens rested heavily. The music of a good singer makes the whole house more cheerful and every member of the family enjoys the pure, clear notes of a happy little song bird. At all seasons of the year our stock is the best obtainable and we specially invite the patronage of those who are well posted and can appreciate a bird of superior quality. Our bird department is as complete as any bird store in the country and our prices are lower than most others. Ask for complete illustrated catalogue. We 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 Germany, high up among 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 "screeching" canary, whose choppy 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. Choicest male birds \$3.00 each. Second



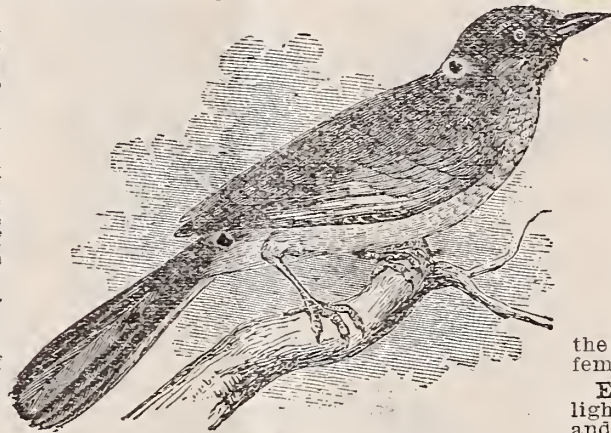
HARTZ MOUNTAIN CANARY.

grade birds \$2.25 each. Female Canaries.—For breeding, \$1.00 and \$1.50 each, according to plumage.

ST. ANDREASBERG ROLLER CANARIES.—These birds are without doubt the finest songsters in the world. Their tones are sweet, round and full, consisting of delightful bell-notes, low water bubble, charming flute notes, long, silvery 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. Each \$5.00.

RED BIRD or CARDINAL.—A handsome bird with bright red plumage. Whistles so nicely that it is sometimes called the Virginia Nightingale. Price \$2.50 each; females \$2.00 each.

EUROPEAN GOLDFINCH.—The most delightful of parlor birds. Has brilliant plumage and usually an excellent song. \$2.50 each.



MOCKING BIRD.

MOCKING BIRD.—The most beautiful songster of all American birds and has wonderful powers of mimicry. It is a general favorite the world over. They have the powers of mimicry in a remarkable degree, and will imitate any sound which they hear, whether it be a canary, nightingale, or the cry of the katydid, the squeaking of a pump-handle, the squealing of a pig or the midnight call of a cat. Nice healthy young birds \$3.00 each. Older birds beginning to sing, \$7.50 each.

NONPAREIL.—Sometimes called "Painted Bunting," on account of its brilliant coloring. \$2.50 each.

BIRD SEED.

But few persons are aware how much a bird's health and consequently its song, depends upon the selection of seed. To the eye of the inexperienced buyer there appears to be but little difference. The mixed bird seed in most stores as the cheapest quality obtainable—often old, hard or musty. As you value the life of your bird feed only our superior bird seed.

SUPERIOR MIXED BIRD SEED.—This is a specialty with us and we sell tons of it. Price per lb. 10c; 3 lbs. 25; 13 lbs. \$1.00; 50 lbs. \$3.50; 100 lbs. \$6.75. Postage 10c per lb. extra.

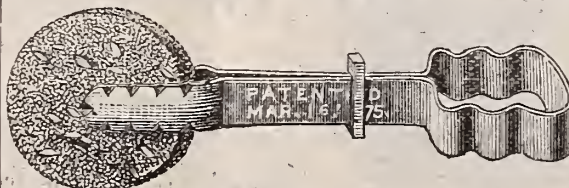
GERMAN SUMMER RAPE.—Fed largely to trained canaries. Same price as above.

SICILY CANARY.—Best re-cleaned. Same price.
MAMMOTH RUSSIAN SUNFLOWER.—Same price.

MIXED PARROT SEED.—Best. Same price.

PREPARED MOCKING BIRD FOOD.—Best food on the market for all soft billed birds. Per large can 35 cents, postpaid 50 cents.

IDEAL BIRD GRAVEL.—Of superior quality. Per 2 lb. can 10c; \$1.00 per doz. Postage 32c per can extra.



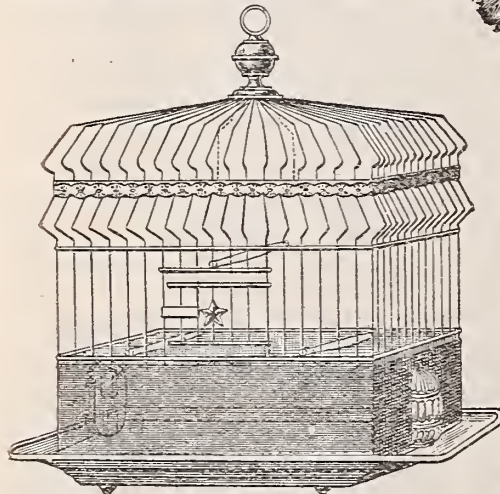
FOOD HOLDER SHOWING A SONG RESTORER.



MEXICAN DOUBLE YELLOW HEAD PARROT.

MEXICAN DOUBLE YELLOW HEAD PARROT.—This is the most popular and most generally satisfactory of all species of parrots. If the teaching of these birds begins when they are young, they learn to talk quite readily and become very fluent. The bird's body is of dark beautiful green color with bright red, and some blue feathers on the edges of the wings and tail. On top of the head there is a spot of yellow and this spot gradually extends over the head. This bird is frequently called the operatic star owing to his natural gift of song. Usual price \$15.00 each. During the summer price for young birds is lower.

OTHER PARROTS.—We can usually furnish other breeds at \$5.00 to \$25.00 each. Educated parrots \$15.00 to \$40.00 each. When you are ready to buy ask for list of birds in stock and prices.



IDEAL BRASS CAGE.

IDEAL BRASS CAGE.—One of the most elegant cages ever sent out. The brass screen cloth around the bottom prevents scattering of seed or gravel. Size 6x9, \$2.00; 7x10, \$2.75; 8x11, \$3.25; 8x11, fancy top like cut, \$5.00.

ROUND PARROT CAGES.—Strong, handsome and thoroughly well made. 12 inches in diameter \$1.50; 13 in. \$2.00; 14 in. \$2.50; 16 in. \$3.25; 18 in. \$4.25.

MOCKING BIRD CAGES.—Wood frame 17 inches long \$2.00; 19 in. \$2.25; 21 in. \$2.50; 24 in. \$2.75; 26 in. \$3.00.

BIRD CAGE SPRINGS.—Brass 10 cents each postpaid.

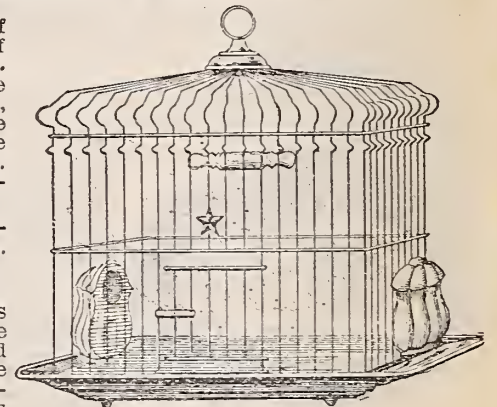
CUTTLE BONE.—Large piece with holder 7 cents; doz. 60 cents postpaid.

WIRE NESTS.—10 cents postpaid.

BIRD NESTING.—10c per pkg. postpaid.

TOY BELLS.—For birds, 7 cents postpaid

PILOT CRACKERS.—Made especially for parrots, without yeast, salt or shortening. Also a desirable food for dyspeptics. 15 cts per lb. By mail 30 cts per lb.



IMPROVED BRASS CAGE.

IMPROVED BRASS CAGES.—Thoroughly well made and decidedly better than painted cages for birds. Sizes 5 1/2 x 8 1/2 in. 75c; 6x9 \$1.00; 6 1/2 x 9 1/2 \$1.25; 7x10 \$1.50; 7 1/2 x 10 1/2 \$2.00; 8 1/2 x 11 1/2 \$2.50. Fancy styles and larger sizes \$2.00 to \$5.00 each.

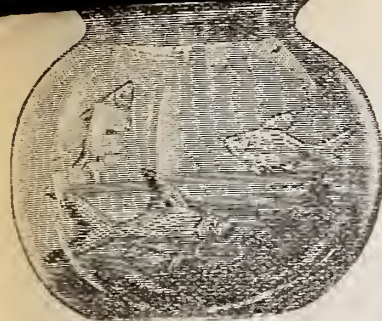
BIRD INSECT DESTROYER.—Per pkg. 10 cents postpaid.

SONG RESTORER.—This bird food is an excellent tonic as well. Very good to sustain the voice as well as to restore it. Successful in nearly every case of loss of voice from cold or moulting. Birds are very fond of it, but it is hard so they can only get off a small quantity at a time. Small cakes 5c each; doz. 50c postpaid.

FOOD HOLDER.—Fastens between the wires of the cage. Is nice for holding Song Restorer, Cuttle Bone, lettuce, apple or other food. Usually made with bent arm to hold food down beside the wires of cage. Price 10c each; \$1.00 per dozen postpaid.

FEATHERED PETS.—The most complete and practical book on Canaries, Parrots and other cage birds ever published for less than \$2.00. How to train and care for them. 140 pages, fully illustrated, 25 cents; cloth bound 75 cents. postpaid.

THE AQUARIUM.



GLASS FISH GLOBE.

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. The fishes require very little attention, and live a great many years. We ship gold fish to all parts of the United States from Maine to California and from Canada to the Gulf. They can be shipped at all seasons of the year: cold weather does not affect them unless bucket containing them freezes solid. The express charges are always to be paid by the purchaser. We have thousands of aquaria customers in the country as well as city, and therefore devote a page in this catalogue to gold fish, knowing that they are the handsomest parlor ornaments which can be obtained.



FANCY FLUTED GLOBES.

GOLD FISH.—While there are now many varieties of gold fish, as shown in the accompanying illustration, still for convenience we shall in this list refer to the older plain variety by this name. These are and always will be more popular than the fancy new sorts as they are more hardy and generally satisfactory. They are a species of carp, inhabiting ponds and sluggish streams in China and they are better adapted to life in fish globes than any other breed of fish. They are universal favorites, of golden red color. Those bred in this state seem to have a peculiar brilliancy of coloring which is especially noticeable when in the fish globes. Prices 10, 15, 25, 35 and 50 cents each according to size. Extra choice three-color specimens, when obtainable, \$1.00 each. The 25 cent size (5 for \$1.00) is the most popular. The largest size is only suitable for outdoor ponds or fountains.

ORIOLE FISH.—These are gold fish which are beautifully variegated golden red and clear black. Sometimes the black markings are very curious and attractive. Medium size 25 cents each; 5 for \$1.00.

PEARL FISH.—These elegant fish are either of clear pearly white color or the white is variegated with gold markings. Everyone wants at least one of the Pearls and Orioles in their collection. Medium size 25 cents each; 5 for \$1.00.

SILVER FISH.—This is simply an uncolored gold fish of dark silvery color. Nice for a variety. Medium size 10 cents each; 6 for 50 cents.

JAPANESE FRINGETAILED FISH.—These aristocratic fish are undoubtedly the most beautiful of all aquaria fish, having extremely long, drooping tail and fins. Choice specimens are very rare and when obtainable sell at \$10.00 to \$50.00 each. We can furnish nice young specimens at \$1.50 each; select @ \$2.50 each.

GLASS FISH GLOBES.—These are neat, cheap and consequently more popular than the large aquariums. The 8, 9, 10 and 11 inch are the sizes most used.

DIAMETER.	CAPACITY.	EACH.
5 inches	1 quart	25
6 inches	2 quarts	40
7 inches	3 quarts	50
8 inches	4 quarts	60
9 inches	6 quarts	75
10 inches	8 quarts	1.00
11 inches	12 quarts	1.25
12 inches	16 quarts	1.75
15 inches	30 quarts	3.00

FANCY FLUTED GLOBES.—These are made same pattern as the ordinary globe, but have handsomely fluted or corrugated top making them more showy.

6 inches diameter, each	\$.60
8 " " "	.90
10 " " "	1.35
12 " " "	2.25



AQUARIA CASTLE.

GREEN GLASS TANKS.—Made of ordinary rough green glass but they are quite strong, and fish look well in them. No. 1, \$1.50; No. 2, \$2.25; No. 3, \$3.00.

EUREKA AQUARIUM.—A strong iron frame tank and the most popular style made. Capacity about 7½ gallons. Price only \$5.00. Rockwork, plants, fish, etc., to fill same, \$3.35 extra.

AQUARIUM CASTLES.—A great variety of styles and sizes from 10 cts to \$2.50 each.

FLOATING ORNAMENTS.—Ducks, etc., 10 cts to 60 cts each, postpaid.

AQUARIUM PLANTS.—See list in plant department.

PREPARED FISH FOOD.—The best food for all kinds of gold fish. This we import from Germany where they make the best quality, and of the purest materials. It does not sour or spoil in the water, and as we buy in large quantities and put it up in our own store, you will find that our boxes contain more than those of most other dealers. Price 10c per box; \$1.00 a doz., postpaid.

AQUARIA BOOK.—Illustrates and describes all the best kinds of fancy fish for aquariums. How to breed and care for Gold Fish, etc., 64 pages. 15 cents; cloth bound 50 cts, postpaid.

COMET FISH.—Also called "Gorgeous Tails." "Long Tailed Beauties," and "Fancy Gold Fish." They are, without doubt, the most graceful in their movements of all aquaria fish, their tails being extremely long so that when turning in the water the head and tail nearly meet. They were originally from Japan, but are now mostly bred in this country. Small, 25 cents each, medium size 35c each, large 50c each. Extra choice colors and markings 75c to \$1.25 each.

JAPANESE FANTAIL FISH.—By far the most popular of all fancy fish and the most satisfactory of the imported varieties. The fins and tail are long and of delicate lace-like substance. The tail is V-shape and frequently divided so that it might be called two distinct tails. They are beautifully variegated usually with golden red and pearly white, or black. Nice specimens 50c each. Choice 75c each. Fancy, some showing three colors \$1.00 each.

AMERICAN FANTAIL FISH.—These are bred from the imported Japanese fish and are very handsome, some of them rivaling the imported, but usually their tails are not so long and spreading. They are of all the colors found in this class and are quite ornamental as well as hardy. Price, according to size, shape and color, 25, 35, 50 and 75 cts each.

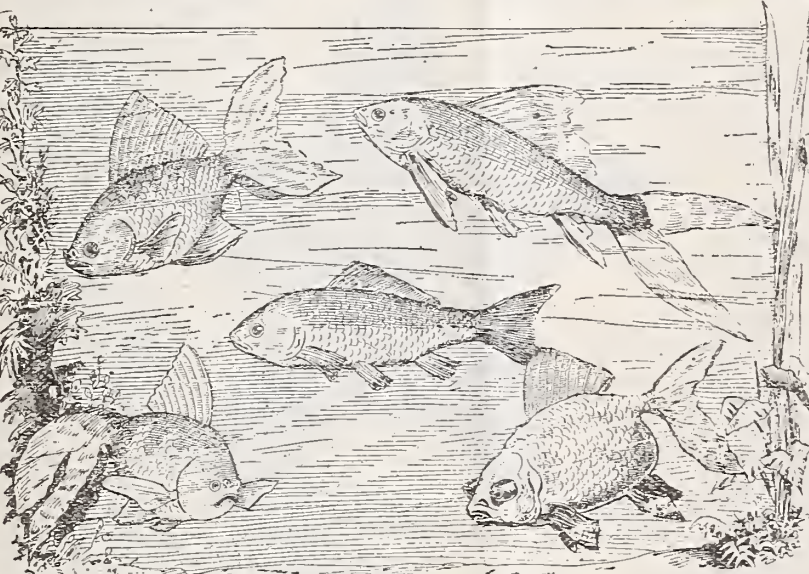
TELESCOPE FISH.—A very curious appearing fish which always attracts attention from its "extreme ugliness." Eyes are abnormally large and bulging. Price \$1.00 to \$1.50. Black Telescopes, which are quite rare, \$3.00 each.

SHIPPING BUCKETS.

Unless you order a fish globe with your fish it will be necessary to ship them in a bucket or can. For this purpose we offer 2 or 3 qt. tin buckets suitable for holding 6 medium sized fishes or less, @ 10 cents each; 4 qt. @ 15 cts; 6 qt., will hold 12 medium sized fishes, for 20 cts. Can for 25 fishes, 50 cts.

STANDING FISH GLOBES.—These are raised up on glass base and are handsomer than the ordinary fish globes, but are not as satisfactory, owing to their liability to crack at the juncture of bowl and base.

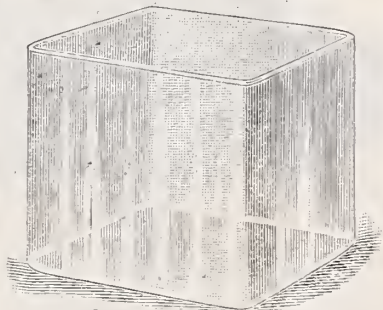
CAPACITY ABOUT.	EACH.
½ gallon	\$1.00
1 gallon	1.25
1½ gallons	1.50
2 gallons	2.25
3 gallons	3.00



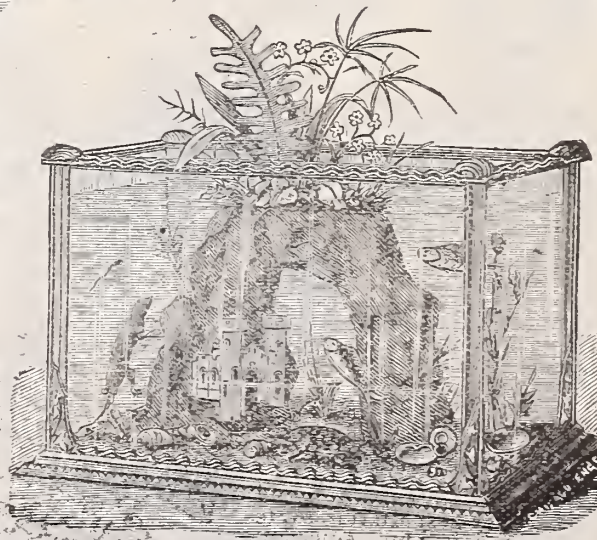
JAPANESE FANTAIL.
JAPANESE FRINGETAILED.

COMMON GOLD FISH.

COMET.
TELESCOPE.

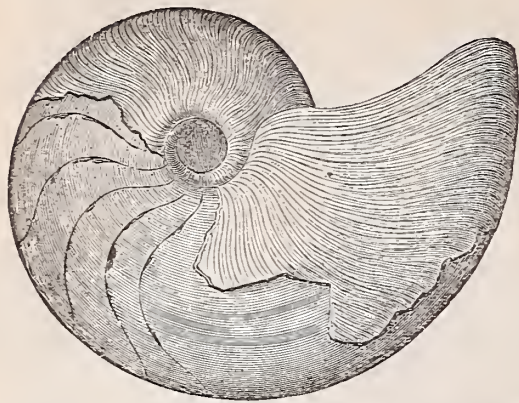


GREEN GLASS TANK.



EUREKA IRON FRAME AQUARIUM.

FANCY SEA SHELLS.



PEARLY NAUTILUS.

collected by us at the sea shore, and others were received from dealers in all parts of the world. We mention only a few varieties here of the various classes of sea curiosities and request those who are interested in the subject to send for our complete illustrated catalogue of sea shells. It is free. We prepay postage at these prices.

PEARLY NAUTILUS.—One of the most beautiful and wonderful shells and well deserves a place at the head of any list. They are not only beautiful, but quite rare and somewhat expensive. We can furnish three sizes. \$1.25, \$2.00 and \$3.00 each.

ZANZIBAR HARP.—No one can help admiring these elegant shells and they are of such peculiar form that when once seen they will never be forgotten. Price 25c, 40c, and 60c each.

SILVER LIP.—A pretty shell about 2½ in. long from Mauritius. Each 10c.

WHITE MUREX.—No collection is complete without one of these. Price 15c, 25c, 50c, and 75 cents each.

BLACK MUREX.—Somewhat similar to above, the shell being white with projecting black horns, giving it a peculiar appearance. Each 15c, 25c and 50c.

EAST INDIA CLAM.—One of the most popular and beautiful of shells and we sell immense numbers of them. Price 25c, 50c, 75c and \$1.00 per pair.

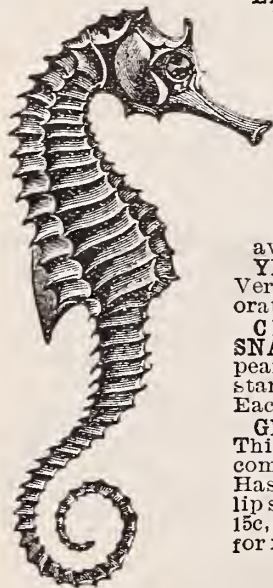
SEA HORSE.—A very strange and curious specimen from the Mediterranean Sea.

Our cut illustrates their peculiar form and is of about the average size. 35c each.

YELLOW SEA FANS.—Very pretty for wall decoration. Each 15c, 25c, 40c.

CHINESE PEARL SNAIL.—Very handsome pearly shell which will instantly attract attention. Each 35c, 50c, 75c and \$1.00.

GIANT PINK CONCH.—This very popular shell comes from the Bahamas. Has beautiful rosy pink lip shading to white. Each 15c, 25c and 50c. Too large for mailing.



SEA HORSE.

BLEEDING TOOTH.—As will be noticed by our illustration this small shell has peculiar indentations on inside lip exactly resembling white teeth surrounded by a peculiar blotch which looks like blood. Each 5c, 35c per dozen.

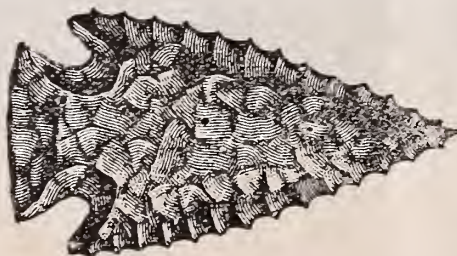
COLLECTIONS

For the benefit of beginners we offer collections of small shells (25 in each) at 10c, 25c, 50c and \$1.00 postpaid. Also a collection of 25 larger shells (worth \$7.00) for \$5.00, and our World's Collection of 66 elegant shells and corals worth \$21.05 for \$15.00. The last two collections are sent at purchaser's expense.

SMALL SHELLS.—An almost endless variety from all over the world. Our Best Mixture 25 cts. per ½ pint, Aquarium Mixture 20 cts per ½ pt. postpaid.

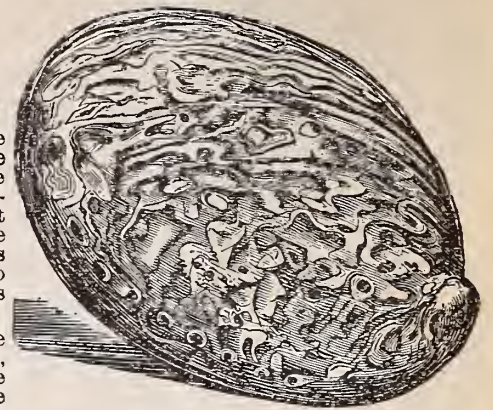


BLEEDING TOOTH.



Anyone who loves the beautiful in nature cannot help admiring these wonders of the ocean, no matter whether you see them in the rough, just as taken from the beach, or whether they have been polished so as to make fit ornaments for the mantel or center table. The ocean holds thousands of curiosities in its depths but few of which are ever brought to light. We see only those which the waves wash up on or near the sea shore.

The proprietors of the Iowa Seed Store have always been greatly interested in sea shells, and we have finally decided to devote one department of our store to them. We have a large stock on hand, some of which were



PEACOCK EAR OR GREEN ABALONE.

PEACOCK EAR.—Also called Green Abalone. One of the most beautiful shells on the market showing handsome rainbow colors throughout the surface and has a peculiar series of perforations. Quite fragile. Each 35c, 50c, and 75c.

JAPAN BLACK EAR.—Similar to the above except that the shell is of pearly color mottled with black. Price 35c, 50c, and 75c each.

ORANGE SCORPION.—A very handsome small shell from the Philippines. Price 20c each.

ROSE CORAL.—A beautiful pure white specimen about two inches in diameter which bear a fancied resemblance to white roses. Price 15c and 25c each.

ORGAN PIPE CORAL.—Of beautiful red color and one of the most popular sorts of coral on the market; from Singapore. Price 15c, 25c, 50c, 75c and \$1.00 each.



MAMMOTH STAR FISH.

MAMMOTH BAHAMA STAR FISH.

—One of the most popular of all sea curiosities. They are of a dark brown color with thorny projections; the under surface of the shell is light yellow. Price 25c, 50 and 75c each.



RED ORGAN PIPE CORAL.



SEA FANS.

APEX MINERAL CABINET.—Consists of a handsome polished wooden case divided into 48 compartments each containing a select specimen of mineral or ore from the Rocky Mountains, all properly labeled. Price \$3.00 or sent prepaid to any part of the U. S for \$3.50

JUVENILE MINERAL CABINET.—Contains 40 nice small specimens of minerals, ores and agates. Some polished. Just the thing for study. Price 60. By mail 70 cts.

MILK STROMBUS.—Pure white variety of Giant Conch from the Sandwich Islands. Price 15c and 25c.

SHELLS FOR FLOWER BEDS.

Many of our customers think there is no border for a flower bed so nice as a row of shells, and we offer the following at a low price so that they can be used for that purpose. We pack carefully, but purchaser pays the freight.

GIANT PINK CONCH.—These are all nice shells with beautiful pink inner surface. Outside is rough, but it is not seen when used for border. Per dozen \$1.80; 25 for \$3.25; 50 for \$6.00; 100 for \$10.00.

BLACK ABALONES.—or Japan Black Ear. Exterior is rough but interior is of bright pearly color and very attractive. About 5 to 6 inches in diameter. Per dozen \$1.50; 25 for \$2.75; 50 for \$5.00; 100 for \$8.75.

RED ABALONES.—or California Red Ear. Similar to above but much larger. Per dozen \$2.00; 25 for \$3.75; 50 for \$7.00; 100 for \$12.50.

CLAM SHELLS.—From various lakes and rivers. Interior has a pearly luster. 4 to 5 inches long. Per dozen half shells 35c; 25 for 50c; 50 for 85c; 100 for \$1.60.

INDIAN ARROW HEADS.—These are nice for helping to ornament the shell cabinet and add to the interest. Various sizes and kinds of stone. Price 5c, 10c, 15c, 25c, and 50c each. One dozen, nicely assorted, \$1.00.

MEXICAN OPALS.—Finely polished opals ready for setting in rings, etc. Price 15c, 25c and 35c each.

POLISHED AGATES.—Choice stock of thin slabs of fine agates, one side polished; size about 1x1½ inches. 25c each; 6 all different for \$1.00.



LORD'S PRAYER COWRY.—These shells are finely engraved with the Lord's Prayer and make as nice a present as can be given to a friend at Christmas time or birthdays. Each 50c.

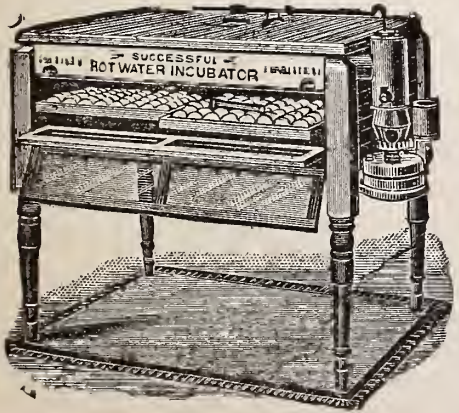
TIGER COWRY.—One of the most common and at the same time interesting specimens from Australia. Price 10c, 15c and 20c.

MONEY COWRY.—A small shell less than an inch long which is used for money among the Indian tribes of western Africa. 3c each, 15c per dozen.

ARIZONA GARNETS.—Beautiful bright colored little gems in the rough just as gathered by the Indians. Nice specimens 5c, 10c and 15c each. Still smaller 25c per dozen.

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Mangel Wurzel...	6	Cineraria.....	63	Nigella.....	66				56		
Melon, Musk.....	12, 46, 47	Clarkia.....	63	Oenothera.....	69				56		
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Mougrri.....	23	Coleus.....	62	Pansy.....	53, 70				56		
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