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1909

ESTABLISHED 44 YEARS

1909



SWEETHEART ROSE COLLECTION  
5 ROSES 75¢  
TWO YEAR OLDS  
\$1.60 PREPAID.



IOWA SEED CO.

SEEDSMEN TO THE AMERICAN PEOPLE.

DES MOINES, IOWA, U.S.A.

ONLY ONE THE BEST QUALITY



# Sweetheart Rose Collection

There is no flower sweeter, or more fragrant and beautiful than the rose and they are so universally satisfactory that the demand for them is almost doubling every year. This superb collection which we are this year giving special prominence by illustrating in colors on the cover of our catalogue, contains some of the finest roses ever offered and we are sure every rose lover will want it. The collection should really sell for at least \$1.50 but we have propagated a large number this season and offer one strong plant of each for **75c postpaid**.

**SWEETHEART**—A grand new climbing variety of strong, vigorous growth and covered with a profusion of very double flowers about two to two and one-half inches in diameter. Color is a bright blush pink when in bud but changes to a soft white after opening which variation in color gives a very pleasing effect. It is a perfectly hardy climber and claimed to be the most deliciously fragrant of all roses. Each 20c; large two year old plants 40c.

**PRINCE CHARMING**—This grand new rose which is a seedling of Marechal Neil is sometimes called Pierre Nottling. It is of strong bushy habit. The flowers are very full, large and extraordinarily lasting, keeping over a week when cut. The color is yellow with very delicate Chinese pink and saffron yellow shadings; the center of the flower is a very rich golden yellow. It is delightfully fragrant. In its abundance of blossoms this grand new variety surpasses all other Roses of every type; plants of a few month's growth are never without buds or blossoms throughout the season. Each 20c; large two year old plants each 50c.

**CHERRY RIPE**—An extraordinarily free-flowering Hybrid Tea Rose, branching in habit, vigorous and hardy, and as free-blooming as a Tea Rose. The flowers are medium in size, well formed, globular. bright cherry red color. Every shoot produces a bloom; one of the most promising new roses and fully as fragrant as the American Beauty. Each 25c; large two year old plants, each 50c.

**ETOILE de FRANCE**—This great French Rose well deserves its name, "Star of France." It makes a fine upright bush, has beautiful deep-green foliage, and the flowers, which are glorious in their form and fragrance, are borne with amazing profusion—in fact, it is always in bloom. Large, massive, deep, full, cup-formed flowers are produced singly on long, stiff stems, while the color is absolutely new—clear red or crimson velvet, while the fragrance is exquisitely sweet. It's a gem of the first water. Each 20c; large two year old plants, each 40c.

**FRAU KARL DRUSCHKI**—A strong growing, extremely hardy new variety with large heavy foliage. The glory of this plant, however, is its flowers, which are immense in size and an ordinary plant will produce hundreds of magnificent flowers, which are full, very deep and double and of splendid substance; petals broad, long and pointed. Color snow-white, without a tinge of yellow, pink or any other color. Often called the White American Beauty. Each 20c; large 2 year old plants, 35c.



PRINCE CHARMING

**Sweetheart Rose Collection** Consists of one strong plant each of the above six varieties for only 75 cents, or a large sized two-year-old plant of each, ready to begin blooming at once, for only \$1.60, sent prepaid to any town in the United States or Canada. Four collections for \$5.50.

## International Rose Collection

The Rose is without doubt the world's most popular flower and almost every civilized country has a favorite variety of its own. It is with great pleasure that we offer this choice collection. The American Beauty, of course, heads the list, but our collection contains also the favorite varieties of the English, German, Irish, Swedish and French Nations. Full descriptions will be found in Plant Department.

**American Beauty, Rosy Crimson; England's Favorite, Golden Yellow; Kaiserin, Pearl White; Killarney, Bright Pink; Marechal Neil, Bright Yellow; King Oscar, Dark Crimson.**

**International Rose Collection** Consists of one strong plant each of the above six varieties for only 75 cents, or a large sized two-year-old plant of each, ready to begin blooming at once, for only \$1.75, sent prepaid to any town in the United States or Canada. 4 collections for \$5.75.

## American Beauty Rose Collection

Who has not heard of the American Beauty, the world renowned rose famed in story, poetry and song. The cut flowers being frequently sold during the winter season at \$10.00 to \$25.00 per dozen. What flower lover has not dreamed that some day she would have a "garden of roses" with American Beauties galore. This collection has proven very popular and we are growing vast numbers of plants for the immense demand. Read carefully the list of varieties which are fully described in the Plant List and notice the low prices.

**American Beauty; White American Beauty; Black Beauty; Striped Beauty; Pink Beauty; Moss Beauty.**

**SPECIAL:** One strong plant each of the above six roses for 75 cents. One large two-year-old plant of each for \$1.85. Sent by mail to any town in the United States or Canada.



## "Complete Garden" Collection

35 Varieties Best Garden Vegetables

FOR \$1.00

All Good Desirable Sorts Sure to Please You.

Consists of one full-sized packet each of improved Golden Wax Beans, Old Homestead Pole Beans, Market Gardner's Beet, Henderson's Snowball Cauliflower, Washington Wakefield Cabbage, Shortstem Drum head Cabbage, Oxheart Carrot, White Plume Celery, Early Cory Corn, Country Gentlemen Corn, Perfect White Spine Cucumber, improved Ground Cherry, American Mammoth Brussels Sprouts, Page's Striped Rice Pop Corn, Continuity Lettuce, Improved Hanson Lettuce, Rocky Ford Musk Melon, Duke Jones Watermelon, Large Red Weatherfield Onion, Mammoth Prizetaker Onion, Nott's Excelsior Peas, Early Scarlet Globe Radish, White Icicle Radish, Improved Table Guernsey Parsnip, Ruby King Pepper, Early Crookneck Squash, Long Standing Spinach, Mammoth Sandwich Island Salsify, Market Gardner's Parsley, Bond's Early Minnesota Tomato, Matchless Tomato, White Egg Turnip, Purple Top Strap Leaf Turnip, Monarch Ruta Baga, and Vine Peach.

**Total 35 Full Sized Packets Sent Postpaid for \$1.00.**

At regular catalogue price they amount to about \$2.00

**NOTICE:** These collections are all put up ready for mailing before our busy season begins and therefore cannot be changed or divided.

IT IS A BARGAIN

**Can \$1.00 Be Better Invested?**



1865

1909

# Forty-four Years Successful Business!

Des Moines, Iowa, January, 1909

## To Our Customers:

Again we present you our annual messenger, and offer our best wishes for your welfare. We should like very much to meet all our customers face to face. Of course that is impossible, but we ask you to give our catalogue consideration as we have endeavored to talk to you through it in exactly the same manner as if you were just across the counter.

We owe our customers our sincerest thanks for their patronage and increasing confidence, which is so clearly shown by the constantly growing numbers who purchase our **Choice Iowa Seeds**.

We have through the patronage so generously given, been able to continually enlarge our business and have been compelled to increase the size of our catalogue in order to properly present to our friends the immense stock which we carry. We now offer you one of the most complete lines to be found in a similar establishment anywhere in the world, but the title which we covet and for which we shall constantly strive, is the one so often given us:

## "SEEDSMEN TO THE AMERICAN PEOPLE."

By this we mean not only native born Americans, but all residents of this country.

We do not expect that all our customers will be interested in all the departments of our business, but we feel sure that every one of the 206,000 to whom this catalogue shall come can find many things between its covers suitable to their needs. To the stranger we wish to say: We want your trade; and are willing to devote time and effort to please so that we may retain your patronage, as the particular pride of the house is the long list of continuous patrons some of whom have been with us for over thirty years.

To our old customers it will only be necessary to say that we shall continue to give the same detailed care to every transaction that has made us so successful in the past. We have the same people, the same carefully raised stocks, and one more year of experience to guide us, and all are at your service.

## IOWA SEED COMPANY

### WHO WE ARE.

Our customers may desire to know with whom they are dealing and we present below a list of the heads of departments.

CHAS. N. PAGE, General Manager.  
M. KURTZWELL, Supt. Mail Order Dept.  
J. N. ALBRIGHT, Cashier.  
GEO. C. BAKER, Mgr. Advertising Dept.  
GEO. L. KURTZWELL, Supt. Corn House.  
C. W. DAVISON, Supt. Greenhouse.  
M. MITCHELL, Chief Field Seeds Dept.  
EDW. GOFFIN, Wholesale Dept.  
E. T. PIERCE, Chief Correspondence.  
J. G. ELDER, Supt. City Sales Dept.  
S. M. EARLY, Supt. Bird Dept.  
J. D. BOTTENFIELD, Supt. Printing Dept.  
M. A. PARK, Supt. Shipping Dept.  
F. L. RILEY, Cut Flower Dept.  
and about 150 others.

### WHY WE THANK OUR CUSTOMERS.



ONE MORNING MAIL IN FEBRUARY, 1908. 7162 LETTERS AND POSTAL CARDS ALONE.

## 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. You will note there are two order sheets enclosed: one for seeds, tools, and miscellaneous goods, and the other for plants, bulbs and nursery stock. If you will use them as intended, it will greatly facilitate the execution of your 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.

**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 routes unless ordered otherwise, and we guarantee the safe arrival. Seeds sold by the peck or bushel, field seeds, potatoes, implements and other heavy goods are sent by freight or express, customers paying charges. Remember seeds go at special rates by express.

**DELIVERY.**—The point of delivery of all goods is on cars at Des Moines. When we quote a delivery price it means simply that we prepay the freight, express charges or postage.

Many of our farmer customers live at Railroad Stations where there are no agents. In such cases we must request them to send sufficient money to prepay freight charges on heavy shipments; also in cases where perishable or other goods are ordered to be sent by freight or express to such great distances that cost of transportation will nearly or quite equal the value of goods.

**DISCOUNTS.**—We have this year made the prices in this catalogue as low as our high grade seed can be sold, and we can give no premiums or discounts except that we will sell \$1.25 worth of vegetable or flower seeds in packets only for \$1.00. This refers only to seeds in packets, not in bulk. This discount does not apply to Collections of any kind nor other special offers. In bulk you may deduct 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.

**PLANT ORDERS.**—Orders for plants will be filled as early in the 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.

Our constant aim is to make the highest quality the first consideration, and next to put our prices as low as good seed can be sold.

**OUR RESPONSIBILITY.**—As this book will probably go into the hands of some who are unacquainted with us, this question will naturally arise, and in answer to same we refer you, by permission, to the Century Savings Bank, of this city, to the postmaster, or to any express company.

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

**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.

**PREM UMS.**—Each year we put up thousands of packets of seeds for free distribution to our customers, and we will treat you liberally in this respect. We shall also try to please our plant customers by adding some thing to their order when shipping it.

**SMALL ORDERS.**—We take pains to fill orders promptly and correctly no matter if only for one packet of seeds but we request that plant orders amount to at least 25 cents and nursery stock to at least 50 cents, as otherwise they are filled at a loss to us.



# ABOUT OURSELVES.

The first question which comes to the mind of the prospective buyer of any seed house is "are they reliable." Almost everyone in Iowa who uses seeds knows the Iowa Seed Company and our **Choice Iowa Seeds** are sown in every neighborhood in the state, but as this catalogue goes to many in all parts of the world who have not dealt with us, a few words about our business may help us to become better acquainted. This business was established about forty years ago, and it has grown until now it occupies a permanent place in the seed trade of the country.

The business has been under the same management many years past, the present manager having been connected with the company over thirty years. During all this time we have been constantly in close touch with the farmers and gardeners, and know what will prove satisfactory in the various localities. With the manager are associated a force of men who have been with the house many years, ranging in terms of service from five to twenty years. With such an organization the business is systematically divided so that in every department you get the benefit of expert personal supervision.

## OUR ESTABLISHMENTS.

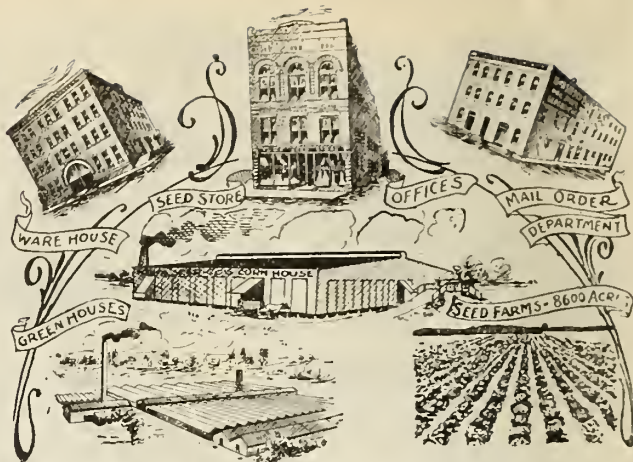
This business has now reached such proportions and is so diversified that it is impossible to conduct it all under one roof, and the accompanying illustrations will help you appreciate our efforts in building up one of the most substantial business enterprises in the world today.

**THE IOWA SEED STORE** is so well known in Des Moines that it would be difficult to find even a child in this city of 100,000 inhabitants who does not know its location. It occupies the large building at 613-615 Locust street within three or four blocks of the postoffice, express offices and principal railroad passenger stations. The large store room is full of interest to everyone who has a farm or garden, or who loves flowers. Here are located the offices and correspondence department. During the busy season we receive 2,000 to 7,000 letters every day, and it requires seventeen typewriters to answer the correspondence. We are always glad to have our customers call and examine our stock and manner of doing business.

**32 GREENHOUSES** erected during the past six years are devoted exclusively to growing plants for the mail order trade, and they contain a greater variety of plants than any other greenhouse establishment in the west. Hundreds of plant orders are filled daily during the busy season; small plant orders can be mailed direct from the branch postoffice nearby. They are located convenient to the electric car line and fronting on Kingman Boulevard, one of the finest driving streets in the city. Here we devote fully 12 acres to flowers, making the finest display to be found in the west.

**THE WAREHOUSE** on South Fifth street we have occupied for many years for storage purposes only. Large lots of seed which come in after harvest are thoroughly cleaned and then put away in this building and held in readiness for the spring trade.

**MAIL ORDER BUILDING.**—Our trade has increased so constantly that we purchased the ground at 208-210-212 S. Eighth St. about six blocks from the store, and erected thereon a large building specially arranged for our trade. The railway tracks beside the building give us excellent facilities for handling carload lots, and we are centrally located between the various freight depots; so that small shipments can be made promptly. Our machinery is operated by four electric motors, and we claim that our mills for cleaning seed cannot be surpassed. We can readily fill 2,000 to 4,000 orders per day in this building, and they are handled in such a careful way that errors seldom occur. Most of our employes have been with us many years and appreciate the importance of each order no matter whether small or large, and no "green hands" handle seeds in bulk.



**SEED CORN HOUSE.**—The seed corn branch of our business has continued to grow every year and in order to handle it in the best manner increased facilities were necessary. To meet this urgent need and provide for future growth which was sure to come, we erected this building two years ago on our seed farm at Altoona. We now have capacity for 25,000 bushels of seed corn, every ear of which can be given the personal inspection of an expert with the least possible cost of time and labor. It is truly a marvel of labor-saving convenience.

**SEED FARMS.**—It requires the seed crop from about 8,600 acres to supply our trade and the farms are widely isolated so as to avoid any mixtures. Some seeds cannot be grown to advantage here, and we contract with practical seed growers elsewhere to grow for us.

## OUR ORGANIZATION.

In the main building at 613-615 Locust Street are located the retail seed store (see view No. 1) where we have a local city trade amounting to thousands of dollars each year.

Here also is the cut flower dept (see view No. 5) where we have not only a large local trade in flowers, designs and general floral work, but from which we ship immense quantities of these goods to customers all over the United States, and supply florists throughout the west with requisites in their line.

In rooms at the rear are located the Bird Department where hundreds of songsters and parrots, together with many odd and beautiful specimens of feathered pets, are sold and shipped to every part of the country.

Aquarium supplies and tanks containing hundreds of beautiful goldfish are also given space in this building, and this branch is constantly growing in extent.

The office system is also here and comprise the following departments: General Manager, Cashier, Advertising Manager, Department of Farm Seeds, Wholesale Department, Department of correspondence, Mailing Department, Filing Department and Mail opening room; all of which are under supervision of experienced chiefs with a complement of efficient assistants. (See view No. 3.)

At the mail order building is the Vegetable Seed Department, under the personal direction of the president of the company. We present a view of one section of the cases in this department (see view No. 4) showing why we can fill orders promptly. These cases are kept filled by a corps of persons continuously employed in weighing out and putting up seeds in proper amounts.

In this building two floors are devoted to the farm seed department, the superintendent of which has occupied the same position for over 20 years. Here hundreds of car-loads are shipped

each season, and errors seldom occur.

Here also is the printing office where three presses are constantly turning out the necessary printed matter used in our extensive business.

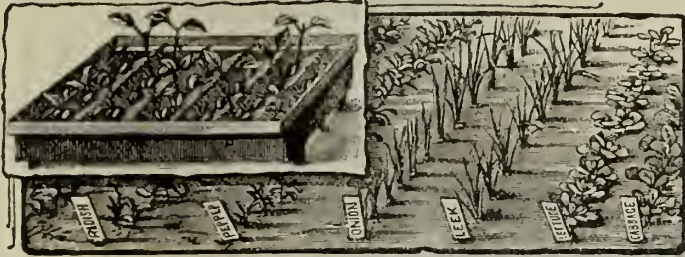
We give a picture of the packing room at the greenhouses (see view 2) though we can not include therein the whole interior of this building. This department is under direction of a member of the firm, and we believe that for efficiency it excels any similar plant in the west.

At our corn house another member of the firm prepares thousands of bushels of seed corn yearly for our customers.





# VEGETABLE SEEDS.



SEED TESTING AND TRIALS

up to the standard of purity and excellence, and are of the highest vitality, and the result is that we rarely have complaints as our **Choice Iowa Seeds** are sure to please.

## IOWA STANDARD VEGETABLES.

**E**VERY YEAR there are hundreds of customers who request us to select for them varieties which will prove most satisfactory for general use, as they are unable to choose from the descriptions in the catalogue, because all the varieties seem to be well recommended. It is true that we do not handle a single variety of vegetable which we cannot commend and each variety has thousands of friends who think that it is the best, but after much care in experimenting on our own place as well as examining crops grown by a

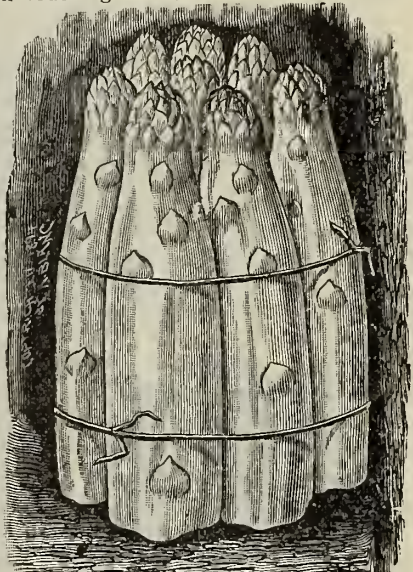
IOWA  
STANDARD

large number of our customers, we have selected the "Iowa Standard" sorts, which we believe will prove the most generally satisfactory for the family garden, and most of the kinds are also very desirable for market gardeners. Every variety has our personal recommendation and some of them are kinds which we have been growing for years past but have never, until last year, offered them in our catalogue. We give each of the varieties the name "Iowa Standard" and you cannot make a mistake in ordering them.

### ARTICHOKE.

This vegetable is a great delicacy, highly valued in all parts of Europe, and also one of their most prominent table vegetables in California and other parts of this country. 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 hotbeds 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 sometimes blooms the first year.

**LARGE GREEN GLOBE.**—The best variety for general use; buds large; scales green; very thick, fleshy. Pkt. 10c, oz. 30c, ¼lb. \$1.



COLUMBIAN MAMMOTH ASPARAGUS.

### ASPARAGUS.

(One ounce will sow forty feet of drill.)  
For asparagus roots, see page 31.



LARGE GREEN GLOBE ARTICHOKE.

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 4 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 an 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. Is more robust and vigorous in habit, and throws up larger shoots and fully as many 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, ¼lb. 25c, lb. 75c.

**PALMETTO.**—Stalks frequently measure 2 inches in diameter, and even when 12 inches long are perfectly tender when cooked. Pkt. 5c, oz. 10c, ¼lb. 15c, lb. 50c.

**CONOVER'S COLOSSAL.**—The standard variety. Pkt. 5c, oz. 10c, ¼lb. 15c, lb. 50c.

### BRUSSELL'S SPROUTS.

(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 cabbage-like head at the top. Use and cultivate the same as winter cabbage.

**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 makes stronger plants and more heads. A profitable crop for market gardeners. Pkt. 10c, oz. 30c, ¼lb. \$1.00.

**ENGLISH.**—Pkt. 5c, oz. 15c, ¼lb. 45c.

### BORECOLE, or KALE.

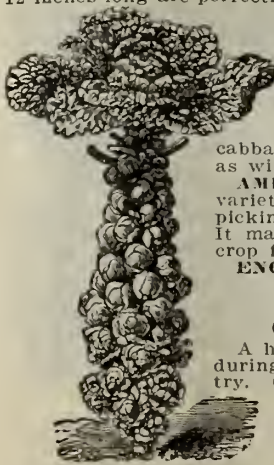
(One ounce will produce about 3,000 plants.)

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

**EXTRA CURLED MOSBACK.**—A most attractive variety; fine crimped leaves, light green, admirable for garnishing. Best cooking. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.25.

**DWARF GERMAN GREEN, or Siberian.**—Popular. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**THOUSAND HEADED.**—Grown mainly for forage. See description in farm seed department.



BRUSSELL'S SPROUTS.

PLEASE USE THE YELLOW ORDER SHEET FOR SEEDS: THE GREEN ONE FOR PLANTS, BULBS, ETC.



# BEANS.

## Dwarf Bush Varieties.

(One quart will sow 100 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 drills. Beans are tender annuals and cannot be planted until danger of frost is past. 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. Packages contain about two ounces. Price includes postage except at peck and half peck rates. Deduct 15c from quart rate if to be shipped by express. All varieties of beans are scarce owing to the crop failure in many sections and you should order early to be sure you get the variety you want.



SILVER WAX.

**SILVER WAX.**—A beautiful new wax bean with pods of peculiar silvery color. A strong grower, vigorous early, and very prolific. Pods are round, very tender, free from rust and diseases and the attractive shape and appearance together with its valuable qualities should make it one of the most popular beans on the list. Our illustration gives some idea of the symmetry of the pods but we cannot convey the beauty of these beans in such a picture. Recommended to all lovers of wax beans. Pkt. 5c. ½ pt. 20c, qt. 60c; by express, pk. \$2.00.

**DAVIS WHITE 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. One of the best for shipping as snap beans and of the greatest value as a market variety. The length, uniformly perfect shape and fine color of the pods and the clear, white seed, make this one of the best for canners. It is just what they want: a long, straight, clear white pod which does not discolor in canning. Pkt. 5c. ½ pt. 20c, qt. 60c; by express, ½ pk. \$1.00, pk. \$1.75.

**PROLIFIC TREE, or California Branch.**—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 White Navy and are marketed in the dry state on an equality with that variety. Pkt. 5c, ½ pt. 12c, qt. 35c; by express, ½ pk. 75c, pk. \$1.25.

**LARGE WHITE MARROW.**—Fine as shelled bean. Beans ivory white and double as large as Navy. Especially fine if used as soon as ripe, either boiled or baked. Pkt. 5c. ½ pt. 15c, qt. 45c; by express, ½ pk. 75c, pk. \$1.25.

**IMPROVED NAVY, or Boston Pea.**—An improvement over the old-time Navy bean. Pkt. 5c. ½ pt. 12c, qt. 35c; by express, ½ pk. 60c, pk. \$1.00.

**STRINGLESS GREEN POD.**—Only stringless green pod bush bean in cultivation. It surpasses all others in crisp, tender flavor. The finely shaped, long green pods are absolutely stringless, and are ready to market two weeks earlier than the Valentines. Of immense value, not only to the market gardener but also to the amateur who seeks a rare quality early bean for the home table. Pkt. 5c. ½ pt. 15c, qt. 50c; by express, ½ pk. 85c, pk. \$1.50.

**WARDWELL'S KIDNEY WAX.**—One of the earliest, hardiest and most productive of all wax beans. Yields large crop of long, nearly straight, broad and creamy white, handsome pods. They are of good quality and always command a ready sale. Pkt. 5c. ½ pt. 20c, qt. 50c; by express, ½ pk. \$1.00, pk. \$1.75.

**EARLY REFUGE, or Thousand to One.**—Most prolific green podded sort, thick and fleshy. Pkt. 5c. ½ pt. 15c, qt. 45c; by express, ½ pk. 85c, pk. \$1.40.

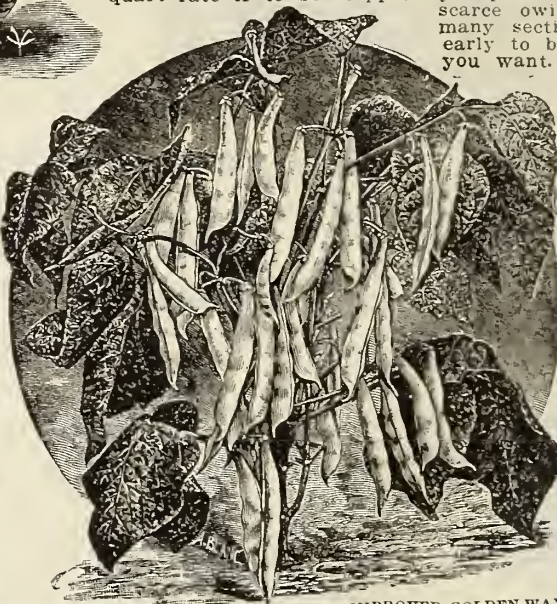
**LONG YELLOW SIX WEEKS.**—Very early and prolific; long, green, tender, flat pods; matures quickly. Pkt. 5c. ½ pt. 15c, qt. 45c; by express, ½ pk. 75c, pk. \$1.25.

**IMPROVED EARLY VALENTINE.**—For many years the standard green pod variety. Very popular. About ten days earlier than the common Early Valentine. In addition to this it is more robust and vigorous, and produces the true, round, curved pods very abundantly. Unexcelled in quality and uniformity of ripening; nearly the whole crop can be taken at one picking, usually within thirty-five days after planting. Pkt. 5c. ½ pt. 15c, qt. 45c; by express or freight, ½ pk. 85c, pk. \$1.25.

*The Seed Beans are here all right. I want to thank you for being one of a thousand that has done exactly as you agreed. I think it is worthy of note in this day of dodging and trying to crawl out of some small hole. WARREN NUTTING, Faribault, Minn.*



STRINGLESS GREEN POD.



IMPROVED GOLDEN WAX.

**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 more prolific. This improved stock is one of the handsomest beans we have ever seen, the pods a dark, rich golden yellow color and of perfect shape. For family or market you make no mistake in planting them. Pkt. 5c. ½ pt. 15c, qt. 50c; by express, ½ pk. \$1.10, pk. \$1.85.

**CHALLENGE BLACK WAX.**—Earlier, more productive and of better quality than the old Black Wax. Pods tender, round, fleshy and stringless. Pkt. 5c, ½ pt. 15c, qt. 50c; by express, ½ pk. \$1.00, pk. \$1.75.



WARDWELL'S KIDNEY WAX BEANS.



IMPROVED VALENTINE

RESULTS HAVE DEMONSTRATED THAT OUR IMPROVED NAVY BEANS ARE A PROFITABLE CROP TO GROW





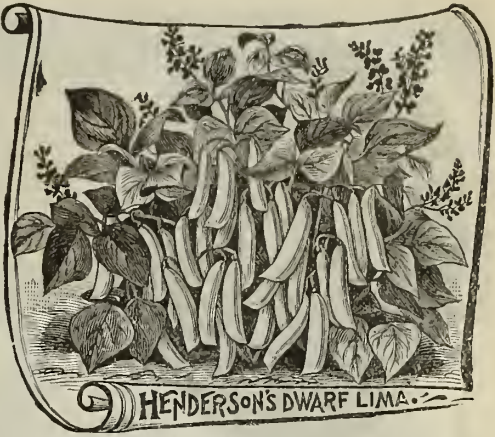
**BEANS==Continued**

**ERFURT EARLY PROLIFIC BROAD.**—We have had inquiries from our customers who formerly lived in England for the English Broad Beans but we did not handle them, as the leading variety, the Broad Windsor does not succeed well in this country. When traveling through England we found that they had a greatly improved variety which was very much earlier, more prolific and resisted drouth and rust better than any other kind and we therefore secured a supply

of them. This new variety has from five to nine beans of large size and delicate flavor. The plant is of robust, upright growth, entirely different from any ordinary variety of beans. Pods measuring 10 to 12 inches in length are not uncommon and they are broad and of handsome appearance. Plant in rows about two feet apart, and six inches apart in the row, covering 1½ to 2 inches deep. Top of stalk should be nipped off as soon as plants begin to flower, as this induces earliness. Pkt. 10c, ½ pt. 20c, qt. 65c, postpaid. By freight, ½ pk. 85c, pk. \$1.50.

**HURPEE'S BUSH LIMA.**—A dwarf or bush form of the true large Lima which is of great value. They are of bush form, growing 18 to 20 inches high, of stout, erect growth, yet branching and vigorous; an immense yielder. Does not always mature dry shelled beans here, but yields a crop of green ones. Pkt. 5c, ½ pt. 20c, qt. 60c; by express, ½ pk. \$1.10, pk. \$2.00.

**CHINESE SAGO BEANS.**—A very small variety from China, which is quite a curiosity. Pkt. 10c, ½ pt. 30c.



**HENDERSON'S DWARF LIMA.**

**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. Pkt. 5c, ½ pt. 20c, qt. 60c; by express, ½ pk. \$1.10, pk. \$2.00.

**POLE BEANS.**

Plant from five to six seeds in each hill, about two inches deep; one quart will plant 100 to 150 hills.

**KING OF THE GARDEN LIMA.**—An improvement on the large White Lima, producing a continuous bloom and fruitage to the end of the season. Pods are of enormous size. Pkt. 5c, ½ pt. 15c, qt. 50c; by express, ½ pk. \$1.00, pk. \$1.75.

**OLD HOMESTEAD.**—Increasing in popularity each year. Demand last season exceeded the supply. Has reached first place on the list solely on merit as it is enormously productive, pods hanging in great clusters from top to bottom of pole. Entirely stringless; pods of silvery green color. Can be grown with corn to good advantage. Pkt. 5c, ½ pt. 15c, qt. 45c; by express, ½ pk. \$1.00, pk. \$1.75.



**OLD HOMESTEAD.**

**GOLDEN CLUSTER WAX.**—Generally considered the best of all wax pole beans. It bears profusely its long, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing from the middle of July till the vines are cut by frost. Pods are seven to eight inches long and three-fourths of an inch in width. They are quite flat but fleshy, absolutely stringless, very brittle and delicious. Pkt. 5c, ½ pt. 20c, qt. 60c; by express, ½ pk. \$1.35, pk. \$2.50.

**MAMMOTH HORTICULTURAL POLE.**—Of the highest quality as a shell bean, either green or dry. Pods very large, bright carmine, lightly streaked, very handsome and exceedingly productive. Deserves more general planting. Pkt. 5c, ½ pt. 15c, qt. 50c; by express, ½ pk. \$1.25, pk. \$2.25.

**YARD LONG.**—A great curiosity but withal an excellent variety. Produces pods 18 to 24 inches long. Specimens in our trial grounds last season reached the enormous length of four feet. Splendid for use in green state as the pods are exceedingly tender and of fine flavor. Pkt. 10c, ½ pt. 35c.

**SCARLET RUNNER.**—Valuable for table use or as an ornamental vine. Pkt. 5c, ½ pt. 20c, qt. 60c; by express, ½ pk. \$1.25, pk. \$2.25.

**ARABIAN RUNNER.**—Similar to the Scarlet Runner. Flowers white, striped scarlet. Pkt. 5c, ½ pt. 25c, qt. 85c.

**WHITE DUTCH CASE KNIFE.**—Yields an immense crop of handsome flat white beans of excellent flavor. Cooks easily. Pkt. 5c, ½ pt. 15c, qt. 45c; by express, ½ pk. \$1.00, pk. \$1.75.

**LAZY WIFE.**—One of the most popular pole beans and 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 pods retain their rich, tender and stringless qualities until nearly ripe. The white beans make excellent winter shell beans. Pkt. 5c, ½ pt. 20c, qt. 60c; by exp. ½ pk. \$1.25, pk. \$2.

**GOLDEN CARMINE.**—A week to ten days earlier than the Horticultural, robust grower, producing a crop of large stringless pods of bright golden yellow color when very young. As pods approach full size they are mottled and streaked with crimson. Pkt. 10c, ½ pt. 20c, qt. 65c; by express, ½ pk. \$1.15, pk. \$2.00.

**CUT SHORT.**—The old fashioned cornfield bean so popular and often so difficult to obtain. Pkt. 5c, ½ pt. 15c, qt. 45c; by express, ½ pk. 90c, pk. \$1.60.



**GOLDEN CLUSTER WAX.**



**LAZY WIFE'S POLE BEAN**

Remember that we prepay the postage at the quart rates.

You will find white beans for field culture quoted by the bushel in farm seed department.

**POLE BEANS ARE ENORMOUSLY PRODUCTIVE. ONLY A LITTLE MORE WORK TO GROW THEM.**



## BEETS.

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

For early, sow as soon as ground can be worked, and about the middle of May for general crop, in drills 15 inches apart and 1½ inches deep. As the plants grow, thin to 6 inches in drills. Young plants make excellent greens. 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.

**MARKET GARDENERS.**—This is undoubtedly one of the best varieties ever introduced, and it receives much praise from our customers each year. As it will be noted by engraving, it is very symmetrical, with small tap root and but few fibrous roots. Unusually small tops. Although on some soils the Egyptian can be marketed a few days before the Market Gardeners, still within a week it will be found larger than the Egyptian, while it continues to grow until late in the fall, attaining a large size, and making a good eating and selling beet for the winter. One sowing only is necessary to produce early beets for market and main crop for winter use, which is not the case with any other variety. Color deep blood red; fine grained and unsurpassed in quality. Summing it all up, we find in it the best beet for early market, the best beet for winter use. Owing to the small tops permitting them to grow close together, and the popular

shape of the bulb, it is the most profitable beet for the market gardener and for family gardens. Crop this year very short and price therefore is above that of former seasons. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.75.

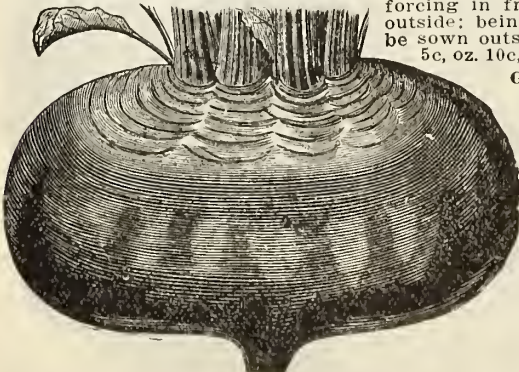
**ECLIPSE.**—This variety has become exceedingly popular and is one of the best early sorts. It possesses all the qualities requisite in a first-class beet, and is of a uniform globular shape. The roots are a bright, glossy red, fine grained and delicious, with none of that earthy flavor so objectionable in many varieties. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**LONG DARK BLOOD.**—Our stock of this standard sort is greatly improved, smooth, sweet and tender. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**GOLDEN GLOBE.**—A choice European variety fully equal, and by many considered superior, to the red sorts in sweetness and flavor, but both the skin and flesh are of bright yellow color. When cut up in a dish with the red beets they make a handsome contrast. They mature early and are so sweet and nice that they should become popular. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.

**IOWA STANDARD.**—A most excellent variety both for early use and for main crop. Is nearly as early as Crosby's Egyptian, but they can be allowed to remain in the ground and be pulled any time during the summer or fall. There is no better variety for winter use. Shape is nearly spherical, color dark red, fine grained and sweet. Pkt. 5c, oz. 15c, ¼lb. 35c, lb. \$1.00.

**CROSBY'S IMPROVED EGYPTIAN.**—We believe this to be the earliest variety in existence. It 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. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to any other variety, a decided advantage for a market where beets are sold in bunches. Very popular with Des Moines market gardeners for this purpose. Preferred for forcing in frames or for first sowing outside; being a rapid grower it may be sown outside as late as July. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 70c.



CROSBY'S IMPROVED EGYPTIAN.



**EXTRA EARLY CRIMSON GLOBE BEET.**

as you can imagine. It is of a rich, deep red color shading to purple. Cooks readily, and is very fine grained. Its flavor cannot be surpassed. When cooked it is of even, dark color throughout, and is attractive when on the table. Of uniform shape and size. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

### GIANT LUCULLUS CHARD.

A variety of special merit. The chard beets are growing in popularity. As two different dishes can be prepared from a single plant its utility is at once apparent. From our illustration will be noted the thick, broad stalks, as large as rhubarb, which are prepared and served in the same manner as asparagus. The leaves are used for "greens"; considered by many superior to spinach for this use. When grown on rich soil enormous stalks and leaves are produced, exceedingly tender and easily prepared. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.



EDMUND'S BLOOD TURNIP.

### EDMUND'S BLOOD TURNIP.

—One of the best varieties grown for main crop. The roots are round, very smooth, of good marketable size, and for table use no variety can exceed it in fine quality. The skin is deep blood red; the flesh is also dark red and is sweet and tender. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

### DEWING'S IMPROVED BLOOD TURNIP.

—Improvement on the old Early Blood Turnip. Globe-shape, deep blood-red color, fine flavor, a good seller and generally considered the most desirable variety for main crop and winter use. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

### EARLY CRIMSON GLOBE.

—A very early variety, of spherical form. Skin very smooth and it is as handsome a beet and it is of a rich, deep red color shading to purple. Cooks readily, and is very fine grained. Its flavor cannot be surpassed. When cooked it is of even, dark color throughout, and is attractive when on the table. Of uniform shape and size. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.



GIANT LUCULLUS CHARD BEET.

### SWISS CHARD or Silver Beet.

—Superior to common beet for greens. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.



# 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 and stockraiser 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. Dairymen claim that a bushel of mangels and a bushel of corn are worth more than two bushels of corn. Full directions for culture and storing mangels, will be sent on application. Use five pounds to an acre. Prices quoted by express are not prepaid.



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

**KLEIN-WANZLEBEN SUGAR BEET**

Nothing in the entire list will produce so much feed from the same area as our improved varieties of Mangel Beets.

**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. Remarkably even in shape, rather elongated, of vigorous growth; has a fine neck and very smooth skin; flesh white, firm and sweet; much liked by cattle. In short a magnificent root, easily lifted from ground, producing enormous crops. Excellent keepers; yields 40 to 60 tons per acre. Oz. 5c. ¼lb. 15c. lb. 40c. By express, not prepaid, 5lbs. for \$1.25.

**CHAMPION YELLOW GLOBE.**—Finest type 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 and has a record of producing **106 TONS PER ACRE.** This immense crop was grown by sowing seed in drills 14 inches apart and thinning to 10 inches in the row. Our seed of this variety is particularly choice. Per oz. 5c. ¼lb. 15c. lb. 40c. By express, 5lbs. or more, at 30c.

**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 this 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 oz. 5c. ¼lb. 15c. lb. 35c. By express, 5lbs. or more, at 25c.

**GIANT HALF SUGAR MANGEL.**—This is a hybrid or cross between the Mammoth Long Red and Sugar Beet and for our own feeding we have found it superior to either. Being sweeter, both cattle and hogs relish them greatly. Per oz. 5c. ¼lb. 15c. lb. 40c. By express, 5lbs. or more, at 25c.

**DIGNITY LONG RED.**—Improvement on the Mammoth Long Red by careful selection for a number of years. Stands head and shoulders above all other varieties of mangels; unexcelled for yielding and feeding qualities. Grows to a very large size, weighing from 20 to 50lbs., and will yield 50 tons per acre with ordinary good cultivation. Thousands of western farmers have grown our Dignity Mangel and call it the most profitable farm crop they ever tried. If you want large crops of large mangels of good quality, don't fail to try Dignity. It is very uniform, smooth and of good shape. Should be grown on deep, loose soil. Per oz. 5c. ¼lb. 15c. lb. 35c. By express, 5lbs. or more, at 25c.

**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 usually yields 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 oz. 5c. ¼lb. 15c. lb. 35c. By express, 5lbs. for \$1.15.

**LANE'S IMPERIAL SUGAR BEET.**—An improvement on the White French Sugar Beet. Recommended as harder, more productive, yielding 35 to 40 tons to the acre. It is larger than other 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 oz. 5c. ¼lb. 15c. lb. 35c. By express, 5lbs. at \$1.10.

## COLLECTION OF MANGELS.

One ounce each of the seven varieties of mangels and sugar beets for 30c; ¼lb. of each 80c; 1lb. of each \$2.25. postpaid, or \$1.75 by express, not prepaid.

CIRCULAR ON GROWING AND STORING MANGEL BEETS SENT FREE ON APPLICATION

"Last year I grew a Dignity Mangel which weighed 35 lbs.; they were the finest I ever raised."—Mrs. A. Hickman, Mecca, Mo.



# 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.

No vegetable is of greater importance than cabbage, and compared with the cost of seed, there is more money in growing cabbage than any other crop. It does not pay, therefore, to take any risk in buying seed. We have had our cabbage seed grown by the same growers for about sixteen years past, and it has proven of uniform, excellent quality, so that we pride ourselves on having the purest and highest grade of cabbage seed that is offered, or at least it is surpassed by none. The cabbage requires a deep, rich soil and thorough working to insure good, solid, full-sized heads. Sow early sorts in hot-beds in February or March, or in open ground as soon as it can be worked. Later or winter crops in May or June, in shallow drills six inches apart. When the plants are four inches high transplant to richly manured ground, the early kinds two feet apart; the fall and winter varieties three feet apart. Packets contain about 800 seeds. Slug Shot and tobacco dust are used to kill insects and worms.

**EXTRA EARLY EXPRESS.**—The earliest variety in existence and produces rather small heads long before the Jersey Wakefield or other varieties have begun to head up. Heads are solid, have few outside leaves, and can therefore be planted very close and yield a large crop. It is a most important variety for the gardener. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.75.

**EARLY JERSEY WAKEFIELD.**—Considered by many gardeners the very best first early variety. 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 highest quality, American grown. Pkt. 5c, oz. 20c, ¼lb. 70c, lb. \$2.25.

**NEW WASHINGTON WAKEFIELD.**—This grand variety is a trifle later than Jersey Wakefield, but produces much larger heads which are of perfect pyramidal shape, very solid, and with few outside leaves. One cabbage grower who is enthusiastic in its praise says: "It is first in head, first in market, and first in the hearts of gardeners." Grows remarkably uniform, the heads are of even size and shape. Unequaled for market or family garden. Pkt. 5c, oz. 25c, ¼lb. 75, lb. \$2.50.



VOLGA.

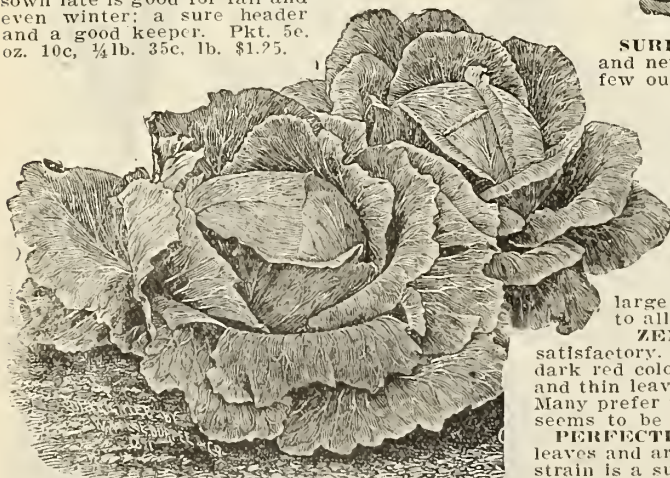
**VOLGA.**—For uniformity in growth, shape of head and hardness we have never seen its equal in a large heading variety. Plant is nearly all head, having few outside leaves. The heads are nearly as round as a ball, hard and solid as Danish Ball-head, much larger, and heavier. In a field of three acres in Long Island there was not a single plant thrown out or one that showed any variation from the true type. Quality is very fine both for cooking and kraut. Can be set out in the middle of July in this latitude; will mature large, solid heads in October. Plants are so compact that they can be set out 1½x3 feet and will produce enormous crops on good land. Pkt. 5c, oz. 20c, ¼lb. 60c, lb. \$2.15.

**IMPROVED DANISH BALLHEAD, or Hollander.**—This sort has been selected and perfected for more than fifty years by 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. Heads round, good sized solid and fine grained. Has few outer leaves. Good keeper, tender and crisp, with but little waste heart. Pkt. 5c, oz. 25c, ¼lb. 75c, lb. \$2.50.

**EARLY SUMMER.**—Ten or twelve days later than the Jersey Wakefield, but much larger in size and will stand on the ground much longer without bursting open. Pkt. 5c, oz. 20c, ¼lb. 65c, lb. \$2.00.

**HENDERSON'S SUCCESSION.**—An excellent variety of large size with a flat head maturing in mid-summer. It can be brought to perfection in the hottest weather or may be used as an autumn or winter crop. Heads average 10 or 12 inches in diameter, but are frequently larger. The average weight per head is about 12 lbs. Pkt. 5c, oz. 25c, ¼lb. 65c, lb. \$2.

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



BURPEE'S ALL HEAD EARLY

**BURPEE'S ALL-HEAD EARLY.**—At least a week earlier than other summer cabbage; fully one-third larger, perfect shape, most solid variety on the list. Originated with C. L. Allen, who grows our cabbage seed, but Mr. Burpee secured first year's crop and gave it his name. Can heartily recommend it. Pkt. 5c, oz. 20c, ¼lb. 60c, lb. \$2.



**SUREHEAD.**—This popular cabbage is rightly named Surehead and never fails to make a remarkably fine, solid, large head with few outer leaves. It is a strong, vigorous grower, ripening late. A first-class main crop variety. Pkt. 5c, oz. 20c, ¼lb. 60c, lb. \$2.00.

**GREEN GLAZED.**—Very different from any other variety, as the leaves are of very dark green color and appear as though varnished or glazed. We do not consider it of quite as good quality as some other sorts, but it is a decided novelty, very hardy, makes a large head and is practically insect proof. On this account it is particularly desirable for the south and well worthy of trial anywhere. Pkt. 10c, oz. 30c, ¼lb. \$1.00.

**MAMMOTH RED ROCK.**—Market gardening strain of unusual size, weight, color. Its handsome appearance, large size, solidity and good quality will make it very desirable to all who like red cabbage. Pkt. 5c, oz. 25c, ¼lb. 65c, lb. \$2.25.

**ZENITH RED.**—A novelty from Holland which will prove satisfactory. Is a medium early sort, of medium size, and handsome dark red color, by far the most attractive of the red sorts. Small ribs and thin leaves lying very close together, making it exceptionally solid. Many prefer red cabbages, considering them of finer flavor. The Zenith seems to be ideal; will please the most particular. Pkt. 10c, oz. 35c.

**PERFECTION DRUMHEAD SAVOY.**—The Savoy cabbages have curled leaves and are of finer flavor and quality than the ordinary kinds. Our strain is a sure header and heads are large and solid. Pkt. 5c, oz. 20c, ¼lb. 65c, lb. \$2.00.

**IOWA STANDARD EARLY CABBAGE.**—Everyone wants some early cabbage and you will find the Iowa Standard satisfactory. It matures early, is of good size, solid heads and excellent quality. Pkt. 10c, oz. 30c, ¼lb. \$1.00, lb. \$3.00.

**IOWA STANDARD LATE CABBAGE.**—We consider this one of the largest heading, most solid and most profitable varieties of cabbage grown and we are sure truck growers will be especially well pleased with it. Pkt. 5c, oz. 25c, ¼lb. 75c, lb. \$2.40.



# CABBAGE==Continued.

**IOWA SEED CO.'S SHORT-STEM DRUMHEAD.**—Our improved and selected strain of this popular variety has greatly pleased thousands of our customers during the past 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, it far surpasses any other strain of late cabbage which we have seen, ripening evenly with very short stem or stalk, and large thick heads of silky fine quality and of best keeping properties. It is almost all head and always sure to head. Pkt. 5c, oz. 20c, ¼lb. 90c, lb. \$2.25.

**PREMIUM FLAT DUTCH.**—This o'd and well known variety is still the standard winter kind. Heads large and solid; also first-class as a keeper. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.50.

**ALL SEASONS.**—(Vandergaw)—This most excellent variety is as early as Henderson's Summer and makes considerably larger and harder heads. Excellent to plant late, the thickness of head making it a capital sort for keeping through the winter. Pkt. 5c, oz. 20c, ¼lb. 65c, lb. \$2.00.

**FÜLDERKRAUT.** A long, pointed-headed sort which is quite popular with our German customers. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.75.



**NEW SHORT-STEM DRUMHEAD CABBAGE**

**CABBAGE PLANTS.**

Of our own growing, from best quality of seeds. See page 31 for list of varieties and prices.

to admit use of a horse cultivator; sow seed from germinate; use care to firm

# CARROTS.

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

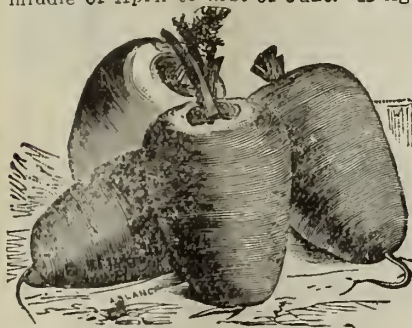
An indispensable root for the farm, deserving of more general cultivation. Well managed, no crop pays better, and most farmers would find an acre or so desirable. A nutritious, succulent food in the winter for cattle, horses, sheep and pigs. For early; sow in spring as soon as the ground can be worked, in drills fifteen inches apart, covering one-half inch; thin plants to three or four in a part in row. For field culture rows should be of sufficient distance to admit use of a horse cultivator; sow seed from germinate; use care to firm middle of April to first of June. A light, sandy loam, deeply tilled, is best; seed is slow to germinate; use care to firm

soil after sowing. Average 800 to 1,000 bu. per acre.

**EARLY SCARLET HORN.**—Favorite extra early variety. Very early. Orange-scarlet, fine grained and agreeable flavor. Top small, short, stump-shaped root; grows well in shallow soil. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. 90c.

**OXHEART, or Guerande.**—Most valuable variety in existence. Intermediate between Half-Long and Horn sorts; diameter 3 to 4 in. at neck; beautiful shape; rich orange color. Easily pulled, early as any, of best quality all season. Fine for stock; has yielded 1,200 bu. per acre. Cut tops with scythe and pull roots with potato hooks. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**IOWA STANDARD CARROT.**—The most desirable early variety for bunching, and although a trifle later than the first earlies, still will yield so much handsomer roots and larger crop that everyone is pleased with it. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.



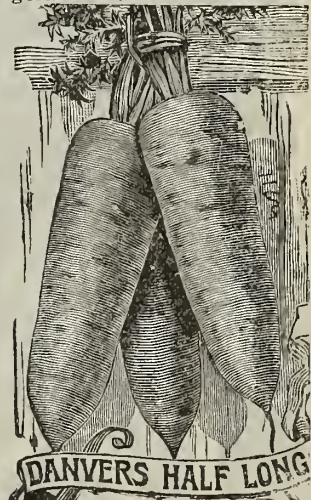
**OXHEART CARROT.**

**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 texture, with little core. It is a first-class carrot for all soils, and it is claimed that under good cultivation it will yield the greatest weight per acre with the smallest length of root of any grown. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 65c.

**IMPROVED LONG ORANGE.**—Desirable for garden or field. Grows to large size, averaging 12 in. in length, and 3 in. in diameter at the top. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 65c. By express, 5lbs. or more, at 45c per lb.

**LARGE WHITE VOSGES, or Improved Short White.**—A stock variety which is enormously productive and easy to harvest. Color light green above ground, white below; flesh rich, white, solid and crisp; heavy yielding. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c; by express, 5lbs. or more, 45c per lb.

**VICTORIA.**—Largest carrot grown, heaviest cropping and most nutritious variety cultivated; roots remarkably fine, light orange, symmetrical, excellent quality, of high feeding properties; good keeper; heavy cropper on all soils best adapted for rich land, grows half as much weight again per acre as ordinary sorts; grows well out of ground; easily harvested. All who have cattle should raise a quantity of carrots for feeding milch cows in winter. It increases flow of milk and gives to the butter a delicious flavor and a rich golden color. Breeders of fine horses feed carrots to help keep them in health and condition. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c. By express, 5lbs. or more, 50c per lb.



**DANVERS HALF LONG**



LOTS OF GOOD FEED FROM LITTLE SEED IF YOU PLANT A FIELD OF CARROTS.

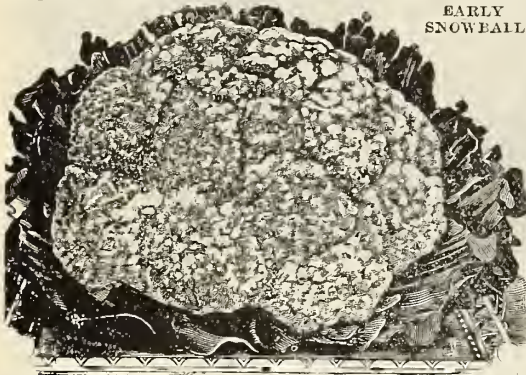


# CAULIFLOWER.

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

**DANISH GIANT.**—Has become a strong competitor for first place. Originated in same locality in Denmark which produced Snowball. Heads extra large, pure white and very solid. Has large leaves which protect the head. About ten days later than Snowball, but has proven more desirable for growing in open ground and does well dry seasons when other varieties show failure, keeping plump and fresh during the hottest, dryest weather. One grower, probably the largest grower of cauliflower in the country (having crop of 90 acres), tested Danish Giant and placed his entire order for this

EARLY  
SNOWBALL



variety. Our seed is obtained direct from the best cauliflower growers in Denmark, the home of the cauliflower, and our customers will be especially pleased with it. Pkt. of 100 seeds 15c, oz. \$2.50.

IOWA  
STANDARD

**IOWA STANDARD CAULIFLOWER.**—Is decidedly best for a general crop. Matures early; of nice medium size, a sure header, solid and unexcelled in quality. Pkt. 20c, ¼ oz. 85c, oz. \$2.75.

to make a head than any other sort. Its dwarf habit and short outer leaves allow it to be planted as close as 18 to 20 inches apart each way, thus making it especially valuable to market gardeners. Our stock is extra choice, and cannot be excelled. It is grown where this variety originated by a grower we believe to be the best in the world. Pkt. 15c, ¼ oz. 65c, oz. \$2.25.

**HENDERSON'S EARLY SNOWBALL.**—Considered throughout the country the earliest of all cauliflowers, and more certain



DANISH GIANT CAULIFLOWER.

**EXTRA EARLY DWARF ERFURT.**—Is valuable for forcing. A very popular variety in Europe and with eastern gardeners. First quality. Pkt. 10c, ¼ oz. 50c, oz. \$1.75.

**EARLY PARIS.**—Well known small sort which is usually quite satisfactory. Price is so low this year that all can try this excellent vegetable. Pkt. 5c, oz. 50c.

**LENOIRMAND'S.**—A late variety of large size; of excellent quality. Pkt. 10c, oz. 60c.

# CELERY.

This we consider one of the luxuries of the garden. For first crop sow seed early in hotbeds, or in boxes in the house, in rich, moist soil, covering seed very lightly. For main crop sow in open ground in April or soon as

soil is in good condition. Seed germinates slowly and if the weather is hot and dry protect with 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 more stocky. For main crop set plants out between June 15th and July 15th, in rows 3 feet apart and plants 6 inches apart in the row. Care should be taken 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 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 soil from between rows and banking clear to the tops on each side of the row of celery. Much labor is saved by growing the self-blanching

varieties, but they do not keep quite so well for winter use. **WINTER QUEEN.**—Finest dwarf celery. Rich green coloring, readily blanched; ready for use in fall. Large bunches of heavy stalks of even length, best table quality; keeps until May. Pkt. 5c, oz. 25c, ¼ lb. 65c, lb. \$2.25.

**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. Pkt. 5c, oz. 25c, ¼ lb. 90c, lb. \$3.25.

**ROSE RIBBED SELF-BLANCHING.**—A sport from the Golden Self-Blanching, having all of its good qualities, but with the additional attraction of beautiful, rose-tinted ribs, making it very handsome. Pkt. 5c, oz. 30c, ¼ lb. 85c, lb. \$3.00.

**WHITE PLUME.**—Stalks, portions of the inner leaves and heart naturally white, and become fit for use by gardeners. Our seed highest quality. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.75.

GOLDEN SELF-BLANCHING CELERY

use by simply tying up closely with soft twine. More used than any other

**GIANT PASCAL.**—A selection from the Golden Self-Blanching, and adds to the quality of its parent superior keeping qualities. Stalks very large, solid, crisp and of a rich, nutty flavor. Blanches very easily and quickly. Heart is golden yellow, very attractive. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.

**GOLDEN DWARF.**—Golden yellow, solid, crisp. Pkt. 5c, oz. 15c, ¼ lb. 40c.

**IOWA STANDARD.**—An excellent sort which is one of the most easily grown varieties and quality is unexcelled. Stalks good size, require very little blanching and is therefore easier to grow. Pkt. 10c, oz. 25c, ¼ lb. 75c, lb. \$2.25.

**GIANT PRAGUE CELERIAC.**—Quite desirable but little known vegetable. Instead of producing long leaf stalks like the ordinary varieties it has a bulbous or turnip-like root which has the true celery flavor and is greatly liked by all who have tried it. Our Giant Prague variety is the latest, smoothest and best sort. Very easily grown and we advise you to try it. Excellent for salads and flavoring and quite popular with our German customers. Pkt. 5c, oz. 20c, ¼ lb. 60c.



GIANT PRAGUE CELERIAC.



**CURLED CHERVIL.**

(An ounce will sow 100 feet of drill.) Leaves used in soups and salads. They have a pleasant aromatic taste which is greatly liked. Cultivate like parsley. Pkt. 5c, oz. 15c, ¼lb. 40c.



CURLED CHERVIL.

**CHICORY.**

**LARGE ROOTED.**—Used as a substitute for coffee. Cultivate the same as carrots. Take up roots in the fall, cut in small pieces and let dry. When wanted for use it is roasted and ground like coffee. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**WITLOOF.**—A delicious winter vegetable which is really a variety of Chicory, but is sometimes called French Endive. It makes one of the finest of all salads and is also excellent boiled. Plant seed in May or June in open ground and in the fall dig the roots and plant them in earth in a dark, cool place in the cellar or under greenhouse bench. By planting deeply in loose soil a more solid head is produced which is very fine. Pkt. 10c, oz. 25c.



WITLOOF



**CORN SALAD.**

(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. Pkt. 5c, oz. 10c, ¼lb. 30c.



UPLAND CRESS

**COLLARDS.**

(One oz. will produce about 3,000 plants.)

Collards are largely used as "greens" in some parts of the country, especially south. They are a form of loose-headed cabbage.

**GEORGIA.**—The most satisfactory for general use. Pkt. 5c, oz. 10c, lb. 30c, lb. 85c.

**BROCCOLI.**

(One oz. 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. It is not desirable for warm or dry countries, but is of special value in the north. Cultivate and use the same as Cauliflower.

**EARLY LARGE WHITE.**—The most popular sort. Has medium sized creamy white heads. Pkt. 5c, oz. 25c.

**CURIOUS VEGETABLES.**

**ORNAMENTAL MICE.**—This vegetable curiosity is a native of Central Africa, having a small, neat growing vine and bears numerous oval fruits, clear green in color, which are always completely covered with long, light green spines or hairs. Nice for pickling. Pkt. 10c.

**CATERPILLARS.**—Prostrate creeping plants with small yellow flowers, changing into "Vegetable Caterpillars." They are grown as curiosities and sometimes are put into salads and pickles. Pkt. 10c.

**SNAILS.**—Another singular variety having most oddly twisted seed pods resembling snails. Pkt. 10c.

**COTTON.**—Grown mainly as a curiosity in the north. Start the seed early in the house and transplant to the field as soon as warm weather arrives. It makes an ornamental plant in the flower bed and has showy, large flowers, followed by the boll of pure white cotton which interests everyone. Pkt. 5c, oz. 15c.

**CHINESE TEA.**—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 blooms; requires same treatment as any tender shrub. Can be kept growing in pots through winter. About 10,000 pounds of tea per year is grown by one man in South Carolina. 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. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**CARDOON.**—A plant grown for its large thick leaves. Blanched and used like asparagus. Pkt. 10c.

**ALPINE STRAWBERRIES.**—If sown early, will produce bearing plants the first year. Grown in large quantities in Europe, where they are ever-bearing, producing all summer. Pkt. 10c.

**MOUGRI.**—Vegetable from the Island of Java. Pods resemble radish, some 2 to 3 ft. long; eaten raw or cooked. Taste like water cress.

**Alpine Strawberry** Pkt. 10c.

**POHAI BERRY.**—One of Luther Burbank's novelties which came originally from the Hawaiian Islands, but is sometimes called the "South African Cape Gooseberry." The showy plants somewhat resemble the Ground Cherry, but produce fruit about three times as large, of pale yellow color and superior flavor. It yields abundantly. Pkt. 15c.

**MARTYNA.**—Also called "Devil's Claw" and "Unicorn Plant." A large ornamental plant, bearing beautiful flowers which are succeeded by large seed pods which when young are fine for pickling. Pkt. 5c, oz. 30c.

**SEA KALE.**—Grown and used like Chard Beets, except they are perennial and when established can remain for years without renewal. Pkt. 10c.

**SCOLYMUS.**—Grown for the roots which are used like salsify. Roots often 10 to 12 in. long. Can be dug and stored for winter. Pkt. 10c.

**FRENCH SORREL.**—Grown for and used as "greens." Large light green leaves with mild acid flavor. Fine for salads. Pkt. 5c.

**CRESS, or Pepper Grass.**

**EARLY CURLED.**—Well-known salad. Sow at intervals all season. Pkt. 5c, oz. 10c, ¼lb. 25c.

**TRUE WATER.**—Sow seeds along the border of running water. Pkt. 10c, oz. 35c.

**UPLAND.**—A perennial variety; hardy, produces well; same flavor as Water Cress. Grown on high, dry land; does not run to seed rapidly. Pkt. 10c, oz. 25c.

**CHUFAS.**

A nice little ground nut greatly liked by children. In flavor resembles the coconut. Very prolific, a single one yielding 200 to 400 nuts growing just under ground and easily reached by pigs and poultry if they have access. Grow best in light, sandy soil, well fertilized. Plant in April, 10 in. apart in 2½ ft. rows. Cover lightly. If seed is very dry, soak well before planting. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.



COTTON



Alpine Strawberry Pkt. 10c.



MARTYNA

**COLLECTION OF ODD VEGETABLES.**

Persons exhibiting at fairs should grow some of the curiosities of the vegetable family to help make attractive showing. Try and have something different from your neighbors.

Any of the following at 10c. per pkt.: Sea Kale, Cardoon, Scolymus, Ornamental Mice, Caterpillars, Snails, Mougri, Pomegranate, Yard Long Beans and Mixed Peppers.

Any of the following at 5c per pkt.: Martynia, French Sorrel, Ground Cherry, Chufas, Brussell's Sprouts, Swiss Chard, Endive, Okra, Vegetable Marrow, Garden Lemon, Vine Peach, Mixed Gourds and Cotton. The entire collection of 23 pkts. for \$1.00.



CHUFAS



# SWEET CORN.

Plant as soon as the ground becomes warm in the spring, in hills about three feet apart, five or six grains to the hill, and when up thin them out, allowing three or four of the strongest plants to remain; give thorough cultivation. 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 ordinary stock. Packets contain about two ounces. We pay the postage by the packet, half pint, and quart. Deduct ten cents on each quart if to be sent by express; pints at half quart prices. The half pint packages are very desirable for small families.



**PHARAOH'S DREAM.**—"And Pharaoh slept and dreamed \* \* \* and behold seven ears of corn came up, upon one stalk, rank and good."—Genesis 41:5. The most productive and one of the finest varieties of sweet corn ever sent out. This new variety was bred by one of the best seed corn specialists in the country and does not come from an accidental sport, but was gradually worked up from a cross made of two well known varieties and selected for a number of years, until it has attained its high value. Its peculiar manner of growth and earing are well shown by the accompanying illustration, and owing to the fact that it so frequently produces seven ears to the stalk it has been aptly named "Pharaoh's Dream." Stalks which we have on exhibition in our store

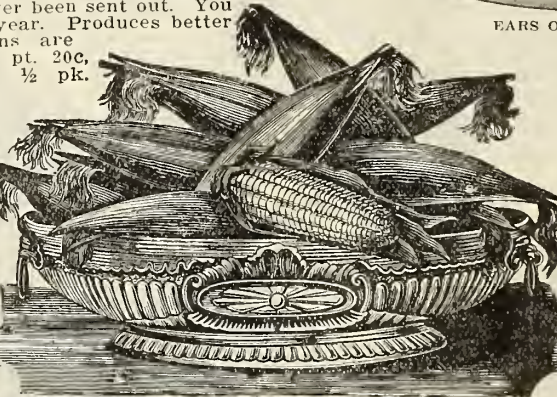
have attracted a great deal of attention and favorable comment. The corn begins earing almost from the bottom and produces quite long ear stalks from each leaf joint. Ears are of large size, but still not overgrown; just right for table use and would be taken for Stowell's Evergreen in almost any market. It is of superior quality, well bred



EARS OF PHARAOH'S DREAM.

and will please the most particular. Corn is pure white, tender and of rich, delicate flavor remaining a long time in an edible condition. Instead of ears maturing all at once, they form in succession and therefore make a constant supply throughout the season. Ear stalks are so long that it might well be called a branching variety, and it looks tree-like when growing. It is the greatest novelty in sweet corn that has ever been sent out. You should not fail to plant it this year. Produces better when only one or two grains are planted in a hill. Pkt. 10c, 1/2 pt. 20c, qt. 50c, postpaid. By freight, 1/2 pk. 85c, pk. \$1.50.

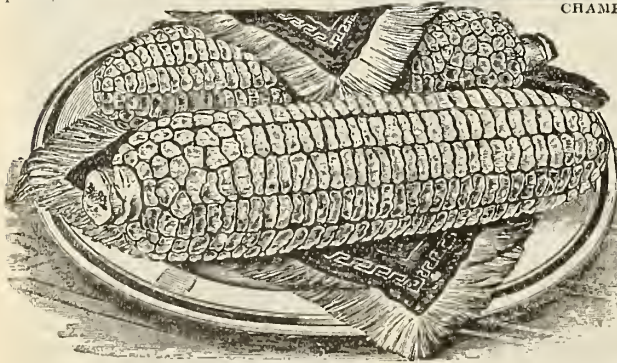
**CHAMPION EARLY.**—Without doubt the earliest large corn ever introduced, maturing only a few days later than the small eared sorts and producing large 12-rowed ears 8 to 10 in. long. Pure white kernels with medium white cob, very sweet and tender, usually producing two ears to the stalk. This variety is unsurpassed for market gardening as well as family garden owing to its large size and fine appearance. Pkt. 5c, 1/2 pt. 15c, qt. 35c. By express, 1/2 pk. 65c, pk. \$1.20.



CHAMPION EARLY.

**PEEP O' DAY.**—Of Minnesota origin, 5 to 7 days earlier than other kinds. Ears 5 inches long, perfect form, and well filled. The corn is tender and sweet. On our place it matured with Early Sunrise and is similar to it in many respects. You will make no mistake in planting some of it for first early. Pkt. 5c, 1/2 pt. 15c, qt. 40c. By express, 1/2 pk. 75c, pk. \$1.25.

**EXTRA EARLY CORY.**—(White Cob)—This was for years the most popular variety with market gardeners for first early market until the introduction of Early Sunrise. It is of dwarf growth and yields well; ears of medium size. Pkt. 5c, 1/2 pt. 12c, qt. 35c. By express, 1/2 pk. 65c, pk. \$1.20.



EARLY SUNRISE.

Ears are of medium size and the cooking qualities excellent. A good cropper and profitable for family use and as a market sort. Pkt. 5c, 1/2 pt. 10c, qt. 30c. By express, 1/2 pk. 60c, pk. \$1.

**EARLY SUNRISE.**—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 the earliest maturing. In this way he finally obtained this variety which is distinct from all others. Ears about six inches long, well filled out at end, and husk covering so completely and being so tight as to prevent working of worms which are so bad in Cory. Grains fairly deep and set in straight rows on small white cob; very uniform and handsome. Quite productive and as good flavor as any corn we ever tasted. Don't fail to try it. Market gardeners will find Early Sunrise a most profitable and satisfactory variety. Pkt. 5c, 1/2 pt. 15c, qt. 50c, postpaid. By freight, 1/2 pk. 75c, pk. \$1.50.

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



**IOWA STANDARD EARLY.**—One of the earliest sorts that we know of, producing ears about 6 to 7 inches long, of perfect form and of excellent quality, tender and sweet. Pkt. 5c, 1/2 pt. 20c, qt. 60c.

**EARLY MINNESOTA.**—A standard early variety. The ears are of good size and well flavored. Valuable for either private or market use. Pkt. 5c, 1/2 pt. 10c, qt. 30c. By express, 1/2 pk. 60c, pk. \$1.00.

**GOLDEN BANTAM.**—This handsome new variety is one of the most delicious of all and generally believed to be the richest in flavor. It is an extremely early sort, of hardy, vigorous growth, so that it can be planted quite early. The stalks grow only about four feet high, but bear two or three good ears five or six inches long and of handsome golden yellow color. In flavor it is quite distinct from the white sorts and some have called it sweet as honey. We advise every one to give it a trial. Pkt. 5c, 1/2 pt. 15c, qt. 50c. By express, 1/2 pk. 85c, pk. \$1.50.



**SWEET CORN===Continued.**



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1892  
BY W.A.B. & C.

**IOWA  
STANDARD**

**EXTRA EARLY ADAMS.**—This is not a true sweet corn, but produces ears well filled with tender white grains. It is very early and on account of its hardness and hard, round grain it can be planted much earlier than sweet corn. Pkt. 5c, ½ pt. 10c, qt. 30c. By express, ½ pk. 50c, pk. 90c.

**IOWA STANDARD LATE SWEET CORN.**—Produces large sized ears and usually has two or three ears to each stalk, sometimes more. Ears are of large size and very sweet. Begins bearing in mid-season and continues until severe frost. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. 75c, pk. \$1.25.

**COUNTRY GENTLEMAN.**—An improvement on the old favorite Shoe Peg Sweet Corn. Our illustration of a single stalk shows its great productiveness; 3 to 5 ears to a

stalk. This, coupled with the luscious quality, the general superiority of this new variety will be quickly seen. The cob is small, giving great depth to kernels which are pearly white, and we cannot say too often—surpassingly sweet and tender. Pkt. 5c, ½ pt. 15c, qt. 40c. By express, ½ pk. 85c, pk. \$1.50.

**IMPROVED STOWELL'S EVERGREEN.**—For many years Stowell's Evergreen Corn has been the most prominent main crop variety and is more largely planted than any other, being a general favorite with canners and market gardeners for late use. We have been selecting this for a number of years to improve it for family use. The ears are medium to large size and our illustration was made by combining the picture of the lower

part of an ear in fit condition for table use with part of an ear of dry seed corn. The grains are deep; exceptionally tender and remain a long time in an edible condition. The dried kernels are shriveled so much that they readily show its unusual sweetness. Pkt. 5c, ½ pt. 12c, qt. 35c. By express, ½ pk. 75c, pk. \$1.25.

**MATURED AND DRY  
READY FOR  
SEED.**

COUNTRY GENTLEMAN.

**WHITE MEXICAN.**—Do you know the marvelous sweetness of the old Black Mexican? You like its taste but dislike its color. Well, we have something finer in every way, superior in sweetness, a pure ivory white color, large as the Minnesota and earlier. It matures in 55 days. Has pleased all purchasers. Pkt. 5c, ½ pt. 15c, qt. 50c, postpaid. By express, ½ pk. 75c, pk. \$1.25.

**BLACK MEXICAN.**—Although the ripe grain is black, or bluish black, the corn when in condition for table cooks remarkably and is surpassed by none in tenderness. This, by many, is considered the most desirable for family use of the second early sorts. Withstands hot, dry weather. Pkt. 5c, ½ pt. 15c, qt. 40c. By express, ½ pk. 75c, pk. \$1.25.

**MAMMOTH SUGAR.**—This produces the largest ear of any sweet corn, a single ear sometimes weighing 2 or 3 lbs.; sweet and luscious. Pkt. 5c, ½ pt. 12c, qt. 35c. By express, ½ pk. 70c, pk. \$1.25.

**EARLY SWEET FODDER.**—Grows quickly. True sweet corn and will furnish good fodder. Qt. 25c. By express, ½ pk. 35c, pk. 65c, bu. \$2.00.

**EVERGREEN SWEET FODDER.**—Particularly selected because it produces great stalk and leaf growth, lots of ears, and is ready for use in July when pastures are short. Is worth double the price asked for it. Qt. 25c. By express, ½ pk. 35c, pk. 65c, bu. \$2.00.

**POP CORN.**

**NOTICE THE SMALL COB  
AND DEPTH  
OF GRAIN.**

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 or 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. Let the children try a small patch, anyway, for home use. Ask for prices in quantity.

**PAGE'S NEW STRIPED RICE.**—Best and most attractive variety of pop corn. Color



PAGE'S STRIPED RICE.

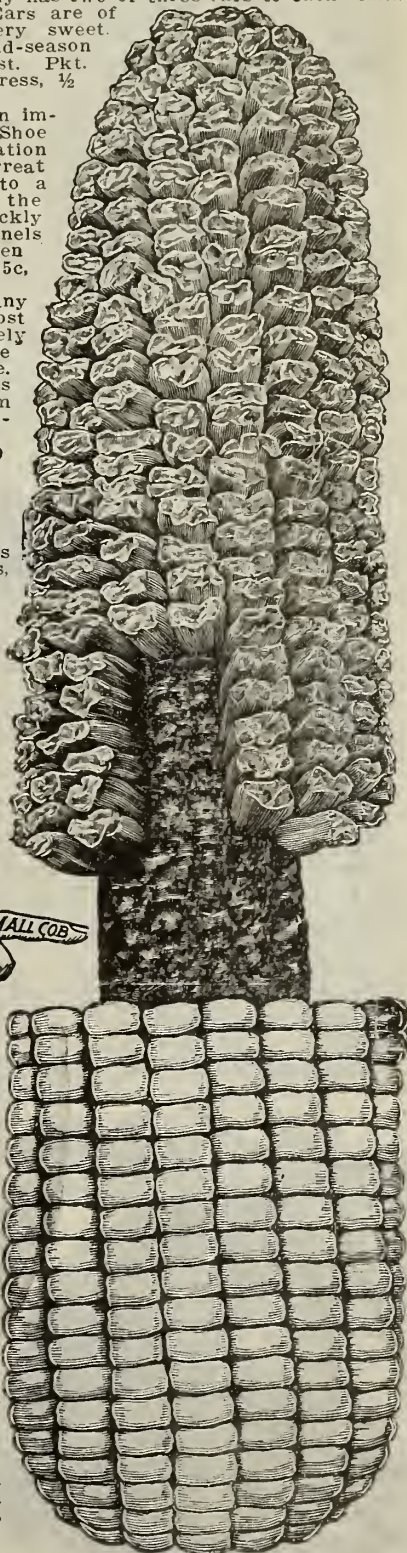
white; each kernel is striped with bright crimson. Ears of good size; early and very productive. Pkt. 5c, ½ pt. 15c, qt. 50c.

**QUEEN'S GOLDEN.**—Color a peculiar lustrous golden yellow? pops to a rich cream colors; very prolific. Pkt. 5c, ½ pt. 12c, qt. 40c.

**MAPLEDALE PROLIFIC.**—The most productive pop corn, averaging five to twelve good ears to stalk. Pops to large size; tender. Pkt. 5c, ½ pt. 15c, qt. 50c.

**MONARCH WHITE RICE.**—It is the best white variety. Bears from three to six ears per stalk, and produces fifteen hundred to two thousand pounds per acre. It will pay you to try it. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 60c, pk. \$1.00.

**IN THE GREEN STATE  
READY FOR  
MARKET.**



IMPROVED STOWELL'S EVERGREEN.

**DES MOINES VEGETABLE COLLECTION.**

**SPECIALY SELECTED FOR TOWN AND CITY HOME GARDENS.**

Most people residing in towns and cities have not time or room sufficient to grow an extended garden. But vegetables fresh from the home garden are so far superior to those which can be purchased that we have made a special list for city people; 1 pkt. each Salamander Lettuce, Rosy Gem Radish, Icicle Radish, Early Express Cucumber, Ex. Early Barletta Onions, Long Standing Spinach, Market Gardener's Beet, Purple Top Turnip—8 packets as above, postpaid, 25c.

**FODDER SWEET CORN SHOULD BE GROWN BY EVERYONE WHO KEEPS A COW.**



# CUCUMBER.

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

**IOWA  
STANDARD**

**IOWA STANDARD.**—The handsomest of long green varieties. Are well formed and hold their color excellently. Pkt. 10c, oz. 20c, ¼lb. 50c, lb. \$1.50.

**LEMON.**—As will be noticed from our illustration, it is round and about the size of a baseball. Fruits produced in the greatest profusion. Used for slicing or sweet pickling as any ordinary variety of cucumber, but have a flavor peculiarly their own, superior to any, being crisp and tender and having none of the bitter or acrid taste sometimes found in other cucumbers. Of best quality when the fruit begins turning yellow. Desirable for use as mangoes. Will be liked by all who try it. Pkt. 10c.

**IMPROVED LONG GREEN.**—Standard sort. Vine vigorous and productive, forming fruit fine for the table, nearly as early as shorter sorts; firm fruit about 12 in. long. Pkt. 5c, oz. 15c, ¼lb. 45c, lb. \$1.25.

**EARLY CLUSTER.**—Slim form. Extra prolific, frequently setting in clusters of two and three. Fine for small pickles. If fruit is kept gathered, the vines will continue in bearing. Pkt. 5c, oz. 10c, ¼lb. 35c, lb. \$1.00.

**GREEN PROLIFIC.**—One of the best pickling varieties; dark green, tender, crisp; very productive, of fine flavor and good for table use. Pkt. 5c, oz. 15c, ¼lb. 45c, lb. \$1.25.

**IMPROVED CHICAGO PICKLE.**—Variety which originated with a leading pickle grower near Chicago; is considered the best variety there; very prolific; matures early; produces immense number of desirable shaped pickles. Pkt. 5c, oz. 15c, ¼lb. 45c, lb. \$1.25.

**ASTRO.**—For growing in hotbeds; yields a continual picking and sell quickly at \$1 per doz. Fruit large, perfect shape, 8 to 12 in. long, of very best quality for slicing. Have few seeds. Pkt. 10c, oz. \$1.00.

**ROLLISON'S TELEGRAPH.**—An English forcing variety bearing fruits 14 to 16 in. long. Dark green, smooth, and of perfect shape. In pkts. only 25c.

## EGG PLANT.

A tender plant that should be started quite early in a hotbed or box in the house, which must be kept warm. Transplant late to open ground 2½ feet apart.

**IMPROVED NEW YORK.**—Our strain of this, the leading market variety, we believe to be unsurpassed. Very large size, skin deep purple, flesh white and of excellent quality. Very productive. Pkt. 5c, oz. 35c, ¼lb. \$1.20.

**EARLY LONG PURPLE.**—The earliest variety in existence, being several weeks earlier than the above. Same color as Improved New York, but longer and somewhat smaller. Pkt. 5c, oz. 25c, ¼lb. 90c.

**PEARL WHITE.**—Pure creamy white, slight shading of light green near stem; good quality. Pkt. 5c, oz. 40c, ¼lb. \$1.40.

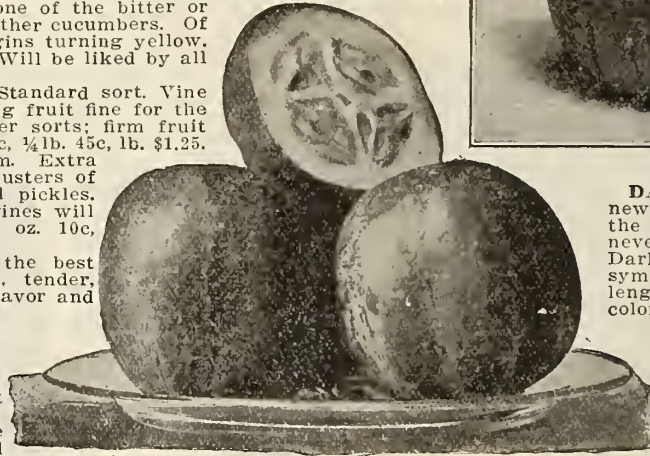


EGG PLANT.



DAVIS PERFECT.

**DAVIS PERFECT.**—A grand new variety. Everyone who saw the crop last year says they never saw anything to equal it. Dark, glossy green, slim and symmetrical, with an average length of 10 to 12 in. They hold color till nearly ripe when they turn white without a yellow streak on them. Quality fine, as seeds are very soft when fit for table use. Very tender, brittle and of exceptional flavor. Early as earliest strain of White Spine; outyields others. Pkt. 10c, oz. 20c, ¼lb. 65c, lb. \$1.75.



LEMON CUCUMBER.

**PERFECT WHITE SPINE.**—This improved strain is pronounced by good judges superior to all others. Fruit even and good size, straight, well formed and symmetrical. It is of uniform shape, making it unexcelled for pickling. Immensely productive and keeps solid and crisp a long time. Pkt. 5c, oz. 10c, ¼lb. 35c, lb. \$1.00.

**EMERALD.**—A new sort which possesses that rich, dark green color which has long been sought but never before obtained, retaining its color until fully ripe. Its fruit sets early and its vigorous vines abound in long, straight, handsome fruits of most desirable qualities. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.50.

**IMPROVED BISMARK.**—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. 15c, ¼lb. 45c, lb. \$1.25.

**JAPANESE CLIMBING.**—Vines are of healthy, vigorous growth, with rich, dark green foliage, and throw out strong, grasping tendrils enabling it to climb trellis, wire netting, brush or any other suitable support. Of large size, cylindrical in shape, flesh pure white, skin dark green, turning to brown and netted when ripe; fine for slicing. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.50.

**EARLY EXPRESS.**—We are pleased to introduce this most remarkable and valuable new variety, which originated with Mr. C. P. Coy. It is by all odds the earliest variety in existence. 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. Pkt. 10c, oz. 20c, ¼lb. 60c, lb. \$1.75.

**WESTINDIA GHERKIN, or Burr.**—Makes a handsome pickle of first-class quality. Try it. Pkt. 5c, oz. 20c, ¼lb. 65c.

**SNAKE.**—The cucumbers grow curled up like a snake with the head protruding, and some are six feet in length. Are grown chiefly as a curiosity and for exhibition. In pkts. only. Pkt. 10c.



EXPRESS CUCUMBER.





**ENDIVE.**

(One ounce will sow about 60 sq. ft.) Preferred to lettuce by those who have tried it. Should be more largely used. One of the best and most wholesome salads for fall and winter use. Sow seed in April for early use or in June or July for winter use. When leaves are eight inches long tie them together with a string near the top to blanch.

**GREEN CURLED.**—Has finely cut leaves, making handsome plant. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.25.

**GIANT FRINGED.**—Also called winter lettuce. This fine new variety is the best of all. It is a strong, vigorous grower, making a large, white heart, and the leaves are beautifully curled, of best quality. Very crisp and refreshing. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.50.

**GARDEN LEMON.**

Introduced by us and has been very highly praised. Fruit is of the shape shown in our engraving, is somewhat smaller than Vine Peach, which it resembles in growth, but has a thinner flesh, and is decidedly acid, thus dispensing with the sliced lemons so important in putting up the Vine Peach. Directions for cooking go with each packet. Pkt. 5c, oz. 25c.



GARDEN HUCKLEBERRY.

**GARDEN HUCKLEBERRY**

When this new fruit was first offered to us last spring we had but little confidence in it, but after growing it on our grounds we gladly recommend it to customers. It belongs to the Solanum family (Solanum Nigrum), which is the same class botanically as the Tomato, Egg Plant, Potato and other well known plants. In South Dakota it is known as Stubbleberry and is quite popular. The fruit is non-edible and by some considered injurious when green, but when ripe they are large, about one-half inch in diameter, of shining black color and make delicious pies, preserves and jam. Plants are easily grown and immensely productive. Full directions for cooking will be sent with each package. Pkt. 10c.

**ROMAINE.**

**ROMAINE.**—Really a variety of lettuce, though so very different from the sorts usually grown that it is classed separately. Very popular in France, where choice flavor in vegetables is especially appreciated. The leaves are of rather light green color shading to white when blanched. It is more uniform growing and self-folding than any other variety of cos lettuce, so that it is not really necessary to tie the leaves together in order that it may blanch. We hope all our customers will give this grand novelty a trial this season and we are sure that you will be more than pleased with it. Possesses a flavor peculiarly its own, crisp and delicious, and people who grow it once are sure to continue its use. Pkt. 10c, oz. 25c.

**DANDELION.**

**IMPROVED THICK LEAVED.**—Make excellent greens. Sow early in the spring. Pkt. 5c, oz. 35c.



ROMAINE.

**GROUND CHERRY.**

**IMPROVED YELLOW.**—Another year adds only to the popularity of this little fruit which we introduced, and it is now listed in the catalogs 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, are prolific bearers, and oh! what luscious fruit. For sauce or pies they are excellent. 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 snuck, if kept 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. Directions for preserving are sent with each packet. Pkt. 5c, ½oz. 25c, oz. 40c.



GROUND CHERRY.

**GIANT SCARLET.**—Also called Chinese Lantern Plant. A very popular novelty and has proven quite satisfactory in some sections. Pkt. 10c.

**KOHL RABI.**

(One ounce will produce 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. Cultivate like cabbage and cook like turnips.

**GOLIATH PURPLE.**—This is a new variety 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. Pkt. 5c, oz. 25c, ¼lb. 75c, lb. \$2.00.

**EARLY WHITE VIENNA.**—Flesh white and tender. Good market sort. Pkt. 5c, oz. 20c.



WAITE VIENNA KOHL RABI.

Flesh white and tender. Good market sort. Pkt. 5c, oz. 20c.

**GOURDS.**

Cultivate like cucumbers, or 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 make the very best of 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. 20c.

**DIPPER.**—Makes a lighter and more 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 large and strong grower. For buckets, etc. 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. Start seed early. Pkt. 10c, oz. 35c.

**HERCULES' CLUB.**—Grows to immense size—4 to 5 feet long. Pkt. 5c, oz. 20c.

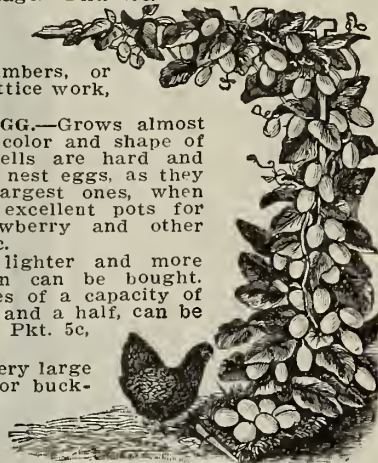
**MIXED UTILITY.**—Seeds of above mixed. Pkt. 5c, oz. 25c.

**ORNAMENTAL MIXED.**—A mixture of odd-shaped and fancy-colored sorts. Pkt. 5c, oz. 30c.

**LEEK.**

Leeks are quite appetizing when sliced and served as a salad or they can be cooked and served like onions. Sow seed thinly in drills early in the spring; thin out so as to stand six inches apart in the row. Early in the fall draw earth up about the stems as you would to blanch celery.

**LARGE ROUEN.**—The largest and most uniform of all. Pkt. 5c, oz. 15c, ¼lb. 45c, lb. \$1.25.



NEST EGG GOURD.



ROUEN LEEK.



# LETTUCE.



ICEBERG LETTUCE.

**ICEBERG.**—The large, curly leaves covering the heads are a bright, light green, with slight reddish tinge at edges. Center thoroughly blanched. In early spring or hottest days of summer the quality is simply perfect. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.20.

**CALIFORNIA CREAM BUTTER.**—A 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, leaves are of a very rich cream yellow color, rich and buttery to the taste. Heads are of good size, compact, very hard and solid. In California they eat the heart only, with a dressing of olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.

**RELISH, or Improved Big Boston.**—When visiting one of our seed growers in California we were greatly pleased with this fine new variety, which we do not hesitate to call the best of all for family use. It is one of those rich, buttery-flavored sorts, which after one becomes accustomed to, they always prefer to the crisp-leaved varieties. It is the blanched yellow center of the head that is eaten with olive oil, vinegar, salt and pepper. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.50.

**IMMENSITY.**—An enormous solid head variety, sometimes 18 inches in diameter, but still tender, crisp and of excellent quality. A very reliable main crop sort. Pkt. 5c, oz. 20c, ¼lb. 45c, lb. \$1.25.



RELISH LETTUCE

(One ounce will sow 100 ft. of drill.)  
No vegetable is more universally used than lettuce, and to be thoroughly appreciated it must be brought to the table fresh and unwilted. Quality depends largely upon rapid and vigorous growth. Sow in hotbed in March and in open ground as early as it can be worked, thinly in drills one foot apart. For succession, sow every three weeks during season. Thin out plants as they grow.



**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. The heads are very large, green outside and nearly white within, deliciously sweet, crisp and tender, and almost absolutely free from rank or bitter taste. Resists summer heat exceptionally well. Pkt. 5c, oz. 10c, ¼lb. 45c, lb. \$1.25.



NEW CONTINUITY LETTUCE.

**CONTINUITY.**—In this grand new variety we have one of the most distinct and desirable sorts now on the market. The outside leaves are of a brown color tinged with purple, while the inside of the head is a fine, creamy white, tender, crisp and well flavored, making it in all respects a very desirable sort. Especially recommended for holding on through hot and dry weather and remaining crisp and brittle at all times. We most highly recommend it and firmly believe it will please one and all who give it a trial. Per pkt. 10c, oz. 20c, ¼lb. 45c, lb. \$1.50.

**DENVER MARKET.**—An early variety of Head Lettuce either for forcing or open ground. Large, solid heads, light green color, and is very slow to go to seed. Leaves beautifully marked and blistered, very crisp and tender. By these blistered leaves it distinguishes itself from any other sort. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.

**GRAND RAPIDS.**—A forcing variety of superior quality. Strong grower, free from rot, keeps crisp and tender when exposed for sale longer than any forcing lettuce. Desirable variety for sowing in open ground. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.20.

**SALAMANDER.**—An excellent all seasons variety, forming good sized heads that stand drouth and heat longer without injury than other sorts. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.

**MORSE.**—Might well be named Improved Black Seeded Simpson. Desirable for growing under glass or out doors. The finest family sort in existence. Pkt. 5c, oz. 10c, ¼lb. 45c, lb. \$1.25.

**EARLY CURLED SIMPSON.**—An improved variety of Curled Silesia; large loose heads; fine flavor. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. \$1.00.

**PRIZE HEAD.**—Very tender leaves, dark reddish brown. Heads large, of good flavor. We sell more of this than any other brown leaved variety. Always satisfactory. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. \$1.00.

**BLACK SEEDED SIMPSON.**—Nearly double the size of ordinary Curled Simpson. Stands summer well without becoming tough or running to seed quickly. By far the most popular variety for greenhouse forcing, making large, handsome heads in a very short time. Gardeners are always pleased with our seed. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.

**RUDOLPH'S FAVORITE.**—Of large size, crisp and delicate in flavor and very desirable for summer use, as well as for forcing. Forms a fine solid head of beautiful yellow color. Pkt. 5c, oz. 15c, ¼lb. 45c, lb. \$1.25.

**IOWA STANDARD.**—One of the finest family sorts in existence. Of large size, fine color and excellent quality; does not run to seed quickly. Pkt. 5c.

**MIXED VARIETIES.**—Seeds of about twenty early, medium and late sorts mixed, thus giving lettuce for the table during the entire season, and giving opportunity to try all the leading varieties with but little expense. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.





# MUSK MELON.

One ounce will plant about 50 hills, two pounds to the acre.

The soil best adapted to melons is a warm, rich, sandy loam. Plant in hills five or six feet apart each way, ten or twelve seeds in a hill. When they begin to vine, thin out, leaving only four of the most thrifty. As melons are very sensitive to cold, they should not be planted 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 seed.

**BURRELL GEM.**—A truly delicious melon for home use or if you desire a variety which will bring a fancy price on the market, we unhesitatingly recommend the Burrell Gem. It is of about the same size and shape as the Rocky Ford, but has rich golden yellow flesh of the most delicious flavor, solid and a most desirable shipping sort. Seed cavity is very small. Melons average about six inches long, four and a half inches in diameter and weigh 2 1/4 lbs. each. Trial shipments of these melons to markets in Chicago, St. Louis, New York and elsewhere brought 50 per cent more than the best Rocky Fords. Per pkt. 10c, oz. 20c, 1/4 lb. 65c, lb. \$1.75.

**IOWA STANDARD.**—A deliciously sweet variety of rather small size, but each vine produces a large number of fruits, which are green and netted over the outside, and of bright golden red flesh. Pkt. 10c, oz. 20c, 1/4 lb. 50c, lb. \$1.50.

**THOROUGHbred ROCKY FORD.**—This variety, well shown by our illustration, has everywhere been in great demand by the high-class hotels and restaurants. Hundreds of carloads have been shipped from the little town of Rocky Ford, Col., to the large cities, driving out the home grown. Of just the right size for table use, slightly oval in shape, flesh thick, of a light green color, and fine, juicy, luscious flavor. Very early, and wonderfully productive. Our seed is from choice specimens in the crop of the best melon grower at Rocky Ford who grows the Thoroughbred or pedigree stock of this variety. Pkt. 5c, oz. 75c, 1/4 lb. 40c, lb. \$1.25.

**ORDINARY ROCKY FORD.**—A good quality but not equal to the above. Pkt. 5c, oz. 10c, 1/4 lb. 25c, lb. 70c.

**EMERALD GEM.**—Undoubtedly the finest in flavor and the earliest to ripen, and while too soft to stand shipping any great distance, is unequalled for home use or nearby markets. Vines of strong and vigorous growth; very prolific. Is rather small and flattened at both ends. Emerald green, smooth and free from netting, heavily ribbed, with narrow bands of lighter green between ribs. Flesh very thick, crystalline appearance, and of rich salmon color. Pkt. 5c, oz. 20c, 1/4 lb. 65c, lb. \$2.00.

**BANANA.**—Attains a length of from 18 to 40 inches; from 2 to 4 inches thick. Flesh very thick, of salmon color. It looks almost like an overgrown banana and smells like one, hence its name. Pkt. 10c, oz. 25c.

**IMPROVED GREEN NUTMEG.**—A greatly improved strain of the old Green Nutmeg. Fruit of a medium size, very rich, melting and of exquisite flavor; flesh light green. Very productive. Pkt. 5c, oz. 15c, 1/4 lb. 45c, lb. \$1.40.

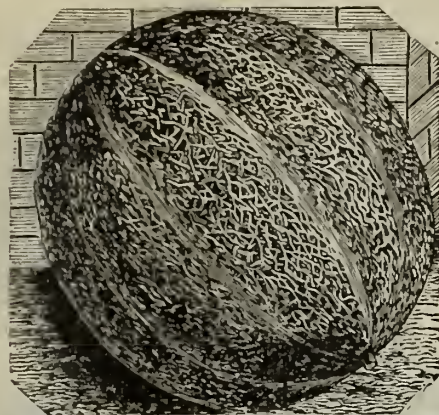
**OSAGE.**—One of the best melons for family use and also greatly liked by gardeners. Flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. Seed cavity is very small. It is seldom that one of poor quality is found. The whole crop is very even and extra heavy, owing to the thickness of the meat. It is of medium size, oval, slightly ribbed. Skin is thin, of dark green color and covered more or less with shallow netting. We have taken a great deal of pains to develop the thick, deep, rich colored and fine flavored flesh of this sort, and a careful comparison proves it to be unequalled. All lovers of fine melons should try the Osage. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

**PAUL ROSE.**—We consider this one of the finest sorts. It is a cross of the Osage and Netted Gem, combining the sweetness and high flavor of the former with the fine netting and shipping qualities of the latter. It is of peculiarly sweet, rich, delicious flavor, and a long keeper. Notwithstanding its thin rind, is a good shipper and fine melon for market. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

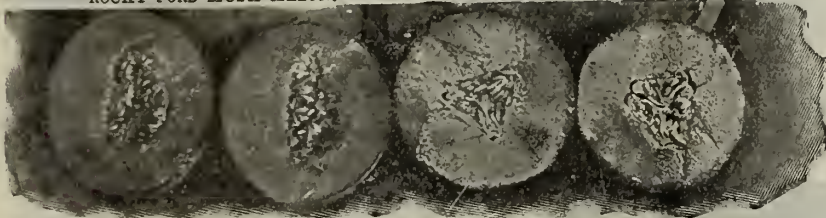
**MONTREAL MARKET.**—A very large fruited variety of superior quality. Nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs. Dark green skin, thickly covered with heavy nettings. Flesh is two inches thick, light green and delicious. One of the handsomest varieties for exhibition purposes. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.75.

**WINTER PINEAPPLE, or Santa Claus.**—Solid flesh, of light green, unusually spicy; rich, aromatic pineapple flavor. Does not ripen on vines. Should be picked before hard frost and kept in a cool, dry cellar; when wanted for use place in a warm room to ripen. Pkt. 10c, oz. 25c.

**EUROPEAN-AFRICAN MIXED.**—Grown in Europe in preference to American sorts. We do not think them as good as ours but you may like them better and we suggest you try them. Our seed is a mixture of many kinds. Packet 10 cents.



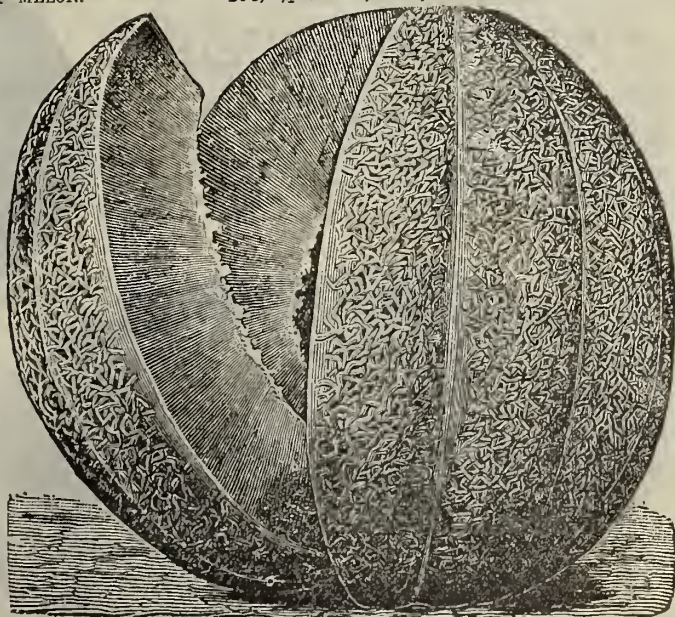
ROCKY FORD MUSK MELON.



BURRELL GEM MUSK MELON.



EMERALD GEM MUSK MELON.



OSAGE MUSK MELON.

**NETTED GEM.**—An excellent small melon, very popular with melon growers. Finely netted and looks nice in the market. Flesh green and particularly rich and juicy. Pkt. 5c, oz. 10c, 1/4 lb. 20c, lb. 75c.

**GRAND RAPIDS.**—This is extremely early. Flesh is of pure yellow clear to the rind; skin finely netted. To obtain best results pinch off runners, throwing growth into fruit, making it larger and earlier. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25.

**IMPROVED EARLY HACKENSACK.**—Ready for market fully ten days ahead of the well known Hackensack, which it resembles in size, shape and quality, weighing from 5 to 10 lbs. each. Very productive, averaging five to six melons on the vine, all of them deeply netted; flesh light green. Pkt. 5c, oz. 10c, 1/4 lb. 35c, lb. \$1.20.

**OSAGE.**—One of the best melons for family use and also greatly liked by gardeners. Flesh is salmon color, remarkably sweet and spicy in flavor, extremely thick and delicious to the rind. 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. It is of medium size, oval, slightly ribbed. Skin is thin, of dark green color and covered more or less with shallow netting. We have taken a great deal of pains to develop the thick, deep, rich colored and fine flavored flesh of this sort, and a careful comparison proves it to be unequalled. All lovers of fine melons should try the Osage. Pkt. 5c, oz. 15c, 1/4 lb. 50c, lb. \$1.50.

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**EUROPEAN-AFRICAN MIXED.**—Grown in Europe in preference to American sorts. We do not think them as good as ours but you may like them better and we suggest you try them. Our seed is a mixture of many kinds. Packet 10 cents.

MIXED MUSK MELON.—ALL THE ABOVE KINDS IN MIXTURE, PKT. 5c, OZ. 10c, 1/4 LB. 30c.



# WATER MELON.

(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 water-melons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. Plant in hills 8 to 10 feet apart each way. Plant 8 to 10 seeds in a hill, and, finally, when danger of insects is past, leave but three strong plants. Thousands of melon growers depend on us annually 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.

**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 farther 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 lusciously sweet and refreshing. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**FORDHOOK EARLY.**—Large early sort. From seeds planted May 10th, ripe melons produced last of July. Rind tough, making it valuable for shipping. A uniform medium green; flesh red, very sweet. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c.

**SWEETHEART.**—A favorite Des Moines market sort. Early, large, handsome, heavy, good shipper, long keeper, bright color and of good quality. Vines are vigorous and productive, ripening the 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. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.



COLE'S EARLY WATER MELON.

**PEERLESS, or Ice Cream.**—(White Seeded)—Of unquestionable quality, very early, medium size, thin rind, flesh bright scarlet. Rind too thin for shipping but it is the great home market melon. Few, if any, sorts surpass it in melting, delicious quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.

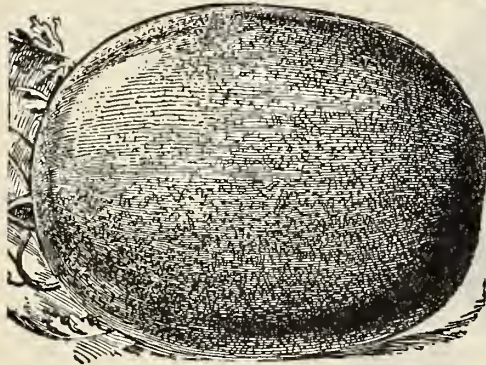
**IOWA STANDARD.**—Fine new variety well shown in cut. Of most desirable shape and color, medium to large size; as good quality as any melon on our list; equaled only by Monte Cristo, which it surpasses in some respects. Bright red flesh. Excellent for shipping. Pkt. 10c, oz. 20c,  $\frac{1}{4}$  lb. 50c, lb. \$1.25.

IOWA STANDARD WATER MELON.

**DIXIE.**—A cross between Kolb's Gem and Mountain Sweet, surpassing former in shipping qualities and fully equalling the latter in fine eating quality and flavor. Early; has thin, tough rind and will keep and ship well. Flesh bright scarlet, of fine quality. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**KOLB'S GEM.**—On account of excellent shipping qualities, this variety is extensively grown for that purpose. Nearly round; color a dark green with lighter narrow strips. Very thin, tough rind; flesh bright red, good flavor. Our seed is choice. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**DUKE JONES.**—A magnificent large melon; dark green rind, slightly striped; flesh bright red, very juicy and delicious. Medium early, very prolific; much larger than Kolb's Gem. A carload of 800 melons, averaging 43 lbs. each, were gathered from two-thirds of an acre. One grower writes that they produced ripe melons in 65 days. Has been grown to immense size, and even largest specimens hold their good flavor. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 85c.



SWEETHEART WATER MELON.

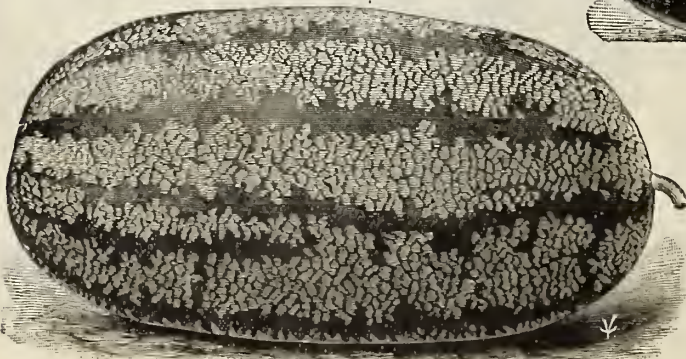
**MONTE CRISTO, or Kieckley's Sweets.**—A wonderfully popular variety. Stocks of seed last year were entirely exhausted before the end of season. You must order early if you want Monte Cristo. After testing all varieties of melons, we do not hesitate to pronounce this one of the sweetest, juiciest, most delicious melons in existence, and it is especially desirable for the private family. The skin is dark green, faintly striped; flesh bright red and peculiarly rich, crisp and pleasant flavored. It ripens early, is of large size, is a good shipper and a long keeper. Market gardeners will also be pleased with it. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. 90c.



**McIVER'S WONDERFUL SUGAR.**—This is a famous melon for sweetness and high quality. Fruits long and of large size, averaging about 35 lbs. each. Considered one of the handsomest melons, being rather light colored, irregularly striped and mottled with dark green. Rind rather thin but tough; a good shipper. Flesh is delicate light red, entirely stringless and tender, juicy and luscious. Vine strong, vigorous grower, very prolific and withstands extremes of weather, either wet or dry. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**MOUNTAIN SWEET.**—The old standard, still quite popular in the north where the large fruited southern varieties do not ripen. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 60c.

**GYPSY, or Georgia Rattlesnake.**—A superior early market variety; large, oblong, skin green, mottled and striped. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.



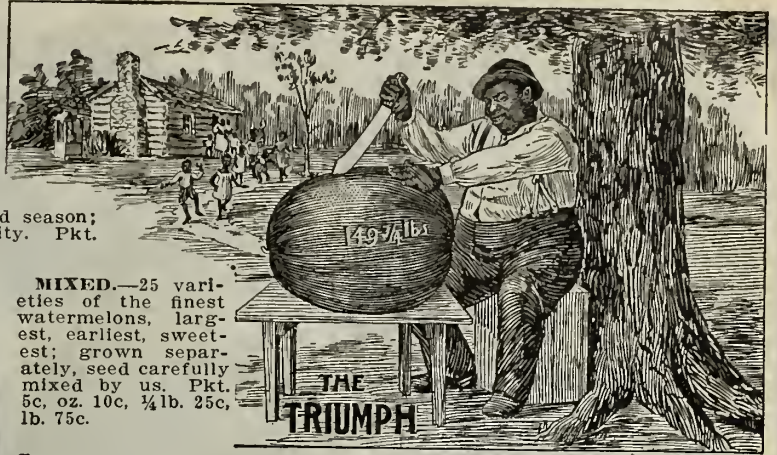
MCIVER'S WONDERFUL SUGAR MELON.

WATER MELONS ARE ALWAYS IN DEMAND. THE VARIETIES IN OUR LIST ARE BEST BY TEST.



## WATER MELON.--Continued.

**IMPROVED TRIUMPH.**—Undoubtedly the largest of all melons, having been grown to the extraordinary weight of 149¾ lbs. It is also very productive, as melons aggregating over 800 lbs. have been grown on one vine. Isn't that enough to make the pickaninny dance, as shown in our picture? Governor Candler states that he had one of the Triumph melons weighing 132 lbs., which was sufficient to supply the 43 persons present with all they could eat. It is of dark green color, matures in good season; flesh is dark red, solid, and of excellent quality. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.



**MIXED.**—25 varieties of the finest watermelons, largest, earliest, sweetest; grown separately, seed carefully mixed by us. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.



APPLE  
PIE  
MELON

## CITRON MELONS.

Nice for preserving and largely used for this purpose. **APPLE PIE.**—This is a novelty which will be appreciated in many sections of the country and especially so during seasons when apples are scarce or high in price. The vine and fruit are quite similar to a watermelon and they are easily grown on any good soil. Each vine produces from five to fifteen fruits, and one of the large size melons will make as many pies as a half bushel of apples. We have estimated carefully in our field that one vine would produce an average of about 300 lbs. The flesh is white, solid throughout and of excellent quality for making pies, sauce, preserves, etc., and it resembles apples in flavor. They keep nice and fresh all winter, so that they can be used at any time and any surplus you may have can be fed to the live stock. In fact it would pay to raise them for this purpose alone as they can be kept and fed fresh all winter. Pkt. 10c, oz. 30c.

**COLORADO PRESERVING.**—This is a large-fruited strain of Citron for preserving. Flesh clear white and very solid. Green seed. Pkt. 5c, ounce 15c, ¼lb. 40c, lb. \$1.25.

**RED SEEDED CITRON.**—Round, dark green, striped and mottled with light green. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.00.

## 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 2 to 3 feet apart. Pick pods while still tender and slice crosswise before cooking.

**WYRICK'S NEW GIANT.**—Wonderfully productive. Pods shoot out from the stalk within 3 inches of the ground and the whole plant is covered with them. Pods are vivid green, 8 to 9 inches long, slender and do not harden as is the case with other varieties. Best for canning. Per pkt. 5c, oz. 15c, ¼lb. 35c, lb. \$1.00.

**WHITE VELVET.**—Pods round, smooth and of an attractive white, velvety appearance, very tender and of superior flavor. In the south where Okra is grown by almost everyone, this is considered of the choicest quality. Plants dwarf and very productive. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

## MUSHROOMS.

**MUSHROOMS.**—The ease and certainty with which a crop of mushrooms can be grown to perfection in any ordinary house cellar, woodshed or barn, and the astonishing success of so many who have taken up this new industry, both for profit and their own use, induces us to call especial attention to the subject. The great luxury of mushrooms can be enjoyed by all at a trifling expenditure of money, time and labor. We recommend our English mushroom spawn as generally the better both for the market garden and the private planter. Directions for culture sent on application. Per brick of about 1½ lbs., by mail, 40c. By express or freight, 5 bricks 85c, 25lbs. \$2.00, 100 lbs. \$6.50.



WHITE VELVET OKRA.  
MUSTARD.

A pungent salad, used with cress or for greens. Sow thickly in rows, cut when about two inches high. One ounce will sow about seventy-five feet of drill.

**OSTRICH PLUME.**—Leaves long, ruffled, frilled and curved gracefully as an ostrich plume; desirable for garnishing. Can be cut quite early; excellent for "greens." Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.

**SOUTHERN GIANT CURLED.**—True curled leaf variety so popular in south for planting in fall to furnish early spring salad; also fine for spring sowing. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**CHINESE GOLDEN.**—Thick, finely curled leaves of bright golden yellow. Pkt. 5c, oz. 10c, ¼lb. 25c.

**WHITE ENGLISH.**—Pkt. 5c, oz. 10c, ¼lb. 20c.



SOUTHERN GIANT CURLED MUSTARD.



MUSHROOMS.

A BOOK ON MUSHROOM GROWING WILL BE SENT POSTPAID FOR ONLY 10 CENTS,





Good onion seed is of the utmost importance as it is one of the most important crops grown, 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 onion seed. The crop was short this year and prices may advance. In comparing our prices with others, remember that we **pay the postage**. Deduct ten cents per pound if to be sent by express. Ask for prices in large lots.

**LARGE WHITE GLOBE.**—The handsomest market variety; beautiful, clean, pure, silvery white bulbs of large, even size, globe-shape, mild and pleasant flavor, and outsells every other variety. Undoubtedly the best white sort. Pkt. 10c, oz. 35c,  $\frac{1}{4}$  lb. \$1, lb. \$3.

**WHITE PORTUGAL or SILVER SKIN.**—Standard white variety for general culture. Bulbs grow to good size, ripening early and quite evenly. A good keeper. Flesh is very mild and sweet; the skin a clear, silvery white, of very handsome appearance. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.50.



**IOWA STANDARD.**—Offered by us as the very best yellow globe-shaped onion for general culture. We prefer it to the red varieties because it is of mild flavor and much more handsome. Will keep sound and good under conditions that render other sorts worthless. The bulbs are always uniform in shape, size and color. Is surely thoroughbred, and the entire crop looks like carefully hand-selected onions. Pkt. 10c, oz. 25c,  $\frac{1}{4}$  lb. 75c, lb. \$2.00.

**EXTRA EARLY RED.**—Matures very early. Of medium size, flat shape, deep red in color; very close grained, solid and heavy; will often form bulbs in cold and mucky soils where other varieties fail. Recommended particularly for the north and northwest where the seasons are short and cool. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 60c, lb. \$2.00.

**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. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 70c, lb. \$2.00.

**YELLOW GLOBE DANVERS.**—A handsome, globe-shaped variety of large size, yellow skin, white flesh, fine grained, mild, very firm and the best of keepers. Has yielded 1,000 bushels per acre, and one of our customers states that his crop averaged over 800 bushels per acre for 9 years. Pkt. 5c, oz. 20c,  $\frac{1}{4}$  lb. 65c, lb. \$1.65.

**NEW GOLDEN GLOBE.**—A greatly improved strain of Yellow Globe Danvers. Selected for large size, uniform growth and keeping qualities. It is a yellow globe with a pedigree. Pkt. 10c, oz. 30c,  $\frac{1}{4}$  lb. 90c, lb. \$1.80.

**CULTURE.**—One ounce will sow about 100 feet of drill; 4 pounds will sow one acre. The soil for onions should be a rich loam thoroughly enriched with well-rotted manure and pulverized before sowing the seed. It should be as free from weeds and grass as possible. As early as the ground can be worked in the spring, sow the seed in drills 14 inches apart, covering one-half inch. 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. For pickles or sets the seed should be sown very thickly and in broad drills, about 50 pounds to the acre for sets, and 15 to 20 pounds for pickling. For sowing 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.

**LARGE RED WETHERSFIELD.**—The standard sort throughout the west; 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 magnificent strain far surpassing the ordinary Red Wethersfield in size, productiveness and keeping qualities. Of finest form, skin deep purplish red, flesh purplish white, vner grained than many of the red sorts. Our seed of this is extra select and cannot be excelled. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.85.

**EXTRA EARLY BARLETTA.**—Is a distinct new variety; the very earliest onion in cultivation. It is fully two weeks earlier than the Early White Queen, which heretofore has been the earliest variety on the market. They are of pure paper-white color, very mild and delicate in flavor,  $1\frac{1}{2}$  in. in diameter and  $\frac{3}{4}$  of an inch in thickness. For table use and pickling it is most valuable. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**WHITE BERMUDA.**—A favorite in the south. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 70c, lb. \$1.75.

**AUSTRALIAN BROWN.**—Color is a peculiarly clear amber brown, quite distinct from any other variety. Per pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.65.



## BIG ONIONS.

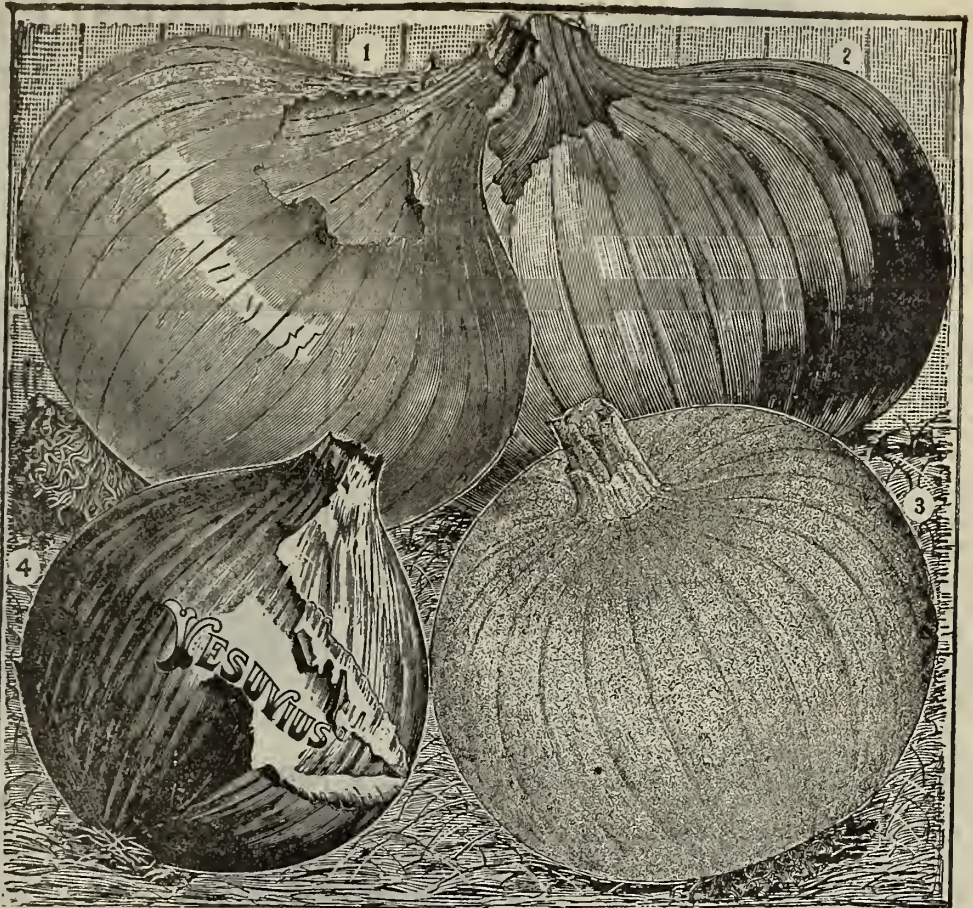
For table use large onions are much preferable to small ones and they will also bring a better price on the market. The six varieties listed on this page are of immense size, splendid quality and yield wonderfully large crops. While they do not keep quite as well as some other kinds, still they are usually good till January or February.

### The 6 Giants.

One Packet Each of  
Mammoth Prizetaker  
White Prizewinner  
Copper King  
Giant Vesuvius  
Silver King and  
Gibraltar

FOR ONLY 25 CENTS.

With each of these "Six Giant" collections we will send a circular giving full directions for "GROWING BIG ONIONS."



**MAMMOTH PRIZETAKER.**—(See cut 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 enormous weight of over six pounds, and it is withal a handsome, fine-flavored sort. Of a clear, bright straw color, and uniform, perfect globe shape. Produces enormous crops, one report being of over 1,200 bushels per acre, and they bring an extra price, being sold on the market as fancy onions. Keep 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 firm, and present the handsomest possible appearance in market, while the pure white flesh is fine grained, mild and delicate in flavor. To grow the largest size, sow seed early in hot beds and transplant to open ground as soon as weather is favorable. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$2.00.

**COPPER KING, OR MAMMOTH POMPEII.**—(No. 2)—Have been grown to the enormous weight of 5 pounds and 6 ounces, and notwithstanding their large size they retain their shape and fine quality. To obtain an idea how large this really is, just weigh the largest onion you can obtain and compare weights, or weigh out 5 pounds and 6 ounces of common onions and imagine them all in one. Copper color, flesh white, fine grained, mild. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$2.25.

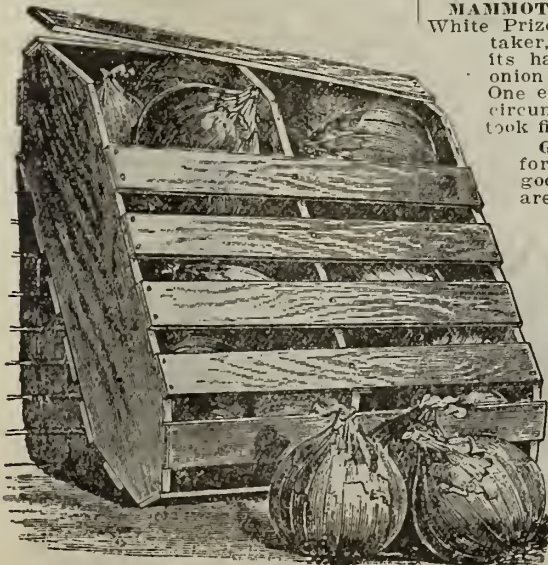
**MAMMOTH SILVER KING.**—(No. 3)—This giant sort is the largest of all white onions, no other white variety approaching its mammoth size. It is of attractive form, flattened, but thick through, as shown in the illustration. Single bulbs often attain weights of from 2½ to 4 lbs. each. The skin is a beautiful silvery white; the flesh a snowy white; so sweet and tender is the flesh that it can be eaten raw. Matures early and is of uniformly large size, perfect shape, and bring a high price in market. Pkt. 5c, oz. 20c, ¼ lb. 60c, lb. \$1.75.

**MAMMOTH PRIZE WINNER.**—In magnificent shape and enormous size the White Prize Winner 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 no other white onion equals it. One enthusiastic grower says: "I raised a White Prize Winner 17 in. in circumference, weighing 4 pounds, which astonished my neighbors and took first prize at our county fair." Pkt. 10c, oz. 30c, ¼ lb. \$1.00, lb. \$3.00.

**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 blood red, flesh nearly white, quality most excellent; much more tender and mild than the American sorts. Pkt. 10c, oz. 25c, ¼ lb. 85c, lb. \$3.00.

**IMPROVED GIBRALTER.**—This new Spanish onion, which we offered last year for the first time, has been grown in America for several years so that it is thoroughly acclimated. It is similar in shape and color to the well known Mammoth Prizetaker but when grown under ordinary conditions has proved to be very much larger and hardier; keeps better. The leaves or blades are distinct in appearance from those of other varieties, being of a deep green, with a glossy surface, enabling it to withstand dry weather and the attacks of insect enemies. Excellent for home use, at any time, in the growing state during the summer months or when matured for winter use. Pkt. 10c, oz. 30c, ¼ lb. 90c, lb. \$2.75.

**WHITE WINTER.**—A variety of special value. Our tests of this have resulted far beyond expectations. Seeds planted in the fall (September) produced a fine lot of small onions for bunching early in spring; while those allowed to remain in the ground grew to large size and were of excellent quality and very handsome. We recommend covering them, in the north, with cornstalks or straw during coldest weather. We have grown good crops of fine large onions from seed sown in spring. Pkt. 5c, oz. 20c, ¼ lb. 65c, lb. \$1.60.



IMPROVED GIBRALTER ONION.



## PARSLEY.

(One ounce will sow 150 feet of drill.)

Sow very early, 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 GARDENERS.**—An extra choice stock with dark green beautifully curled mossy leaves, very ornamental in its growth and very productive. Valuable for either garnishing or flavoring. Earlier than other varieties and what is more important it retains its dark green color till late in the fall and continues to produce well throughout the winter when transferred to the greenhouse. Pkt. 5c, oz. 15c, ¼lb. 45c, lb. \$1.25.

**CHAMPION MOSS CURLED.**—A very select stock, finely crimped and curled. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 65c.

**HAMBURG.**—Turnip-rooted variety, used for flavoring soups, etc. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 66c.



MARKET GARDENER'S PARSLEY.

## PEPPER.

(One ounce will produce about 1,800 plants.)

Sow seed in hot bed early in spring; transplant to open ground when the weather is favorable, in warm, mellow soil, in rows 18 inches apart. Seeds germinate slowly and require considerable heat.

**CORAL GEM BOUQUET.**—(Cut No. 1)—This new red hot pepper is the finest of the smallest sized varieties. Excellent for pepper sauce. Pkt. 10c, oz. 50c.

**RUBY KING.**—(Cut No. 2)—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. Produces large, handsome fruit. Pkt. 5c, oz. 20c, ¼lb. 60c.

**CHINESE GIANT.**—(Cut No. 3)—Most gigantic of all Giant Peppers. A fine mild red pepper of enormous size, magnificent appearance and brilliant, glossy scarlet color. The flesh is mild and unusually thick. Makes an excellent salad sliced and served like tomatoes. Pkt. 10c, oz. 40c, ¼lb. \$1.30.

**KALEIDOSCOPE.**—(Cut No. 4)—A very ornamental new variety. The small fruit changes from cream color to canary, deepens to orange, then turns into pink, until it becomes a deep, shining scarlet. Pkt. 10c, oz. 35c.

**JAPANESE FANCY.**—(Cut No. 5)—A very ornamental variety bearing little heart-shaped fruits of various colors, purple, white, yellow, orange, red, all on same bush. Pkt. 10c.

**LARGE BELL, or Bull Nose.**—(Cut No. 6)—An early standard sort. Pkt. 5c, oz. 15c, ¼lb. 50c.

**RED CHILI.**—(Cut No. 7)—Small, long fruit, but very hot. Used for pepper sauce. Pkt. 5c, oz. 20c, ¼lb. 60c.

**MAMMOTH GOLDEN QUEEN.**—(Cut No. 8)—Average a third larger than Ruby King. Is 8 to 10 inches long; bright, waxy, golden yellow, and mild flavor. Pkt. 5c, oz. 25c, ¼lb. 80c.

**SWEET MOUNTAIN, or Mammoth.**—Similar to the above, but milder. Pkt. 5c, oz. 20c, ¼lb. 60c.

**RED CAYENNE.**—Pkt. 5c, oz. 25c, ¼lb. 75c.

**MIXED PEPPERS.**—A choice mixture of all the above and several other fancy varieties. Fine for exhibition. Pkt. 10c, oz. 35c.

## Ornamental Pomegranate.

An ornamental little fruit which a century ago was commonly grown in the garden, but is now rarely seen. Grows on pretty vine; fruit is round, yellow, irregularly striped with orange, red or mahogany; fragrant; a single specimen will sweetly perfume a room many days. Pkt. 10c.



RED CROSS PEANUTS.



POMEGRANATE.



PEPPERS. Refer to numbers for description.

## PARSNIPS.

(One ounce will sow 200 feet of drill. Five pounds will sow an acre in drills.)

Sow early in spring in good, rich soil, which has been plowed deep, in drills 15 inches apart, covering half an inch. Thin to 5 or 6 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. A very heavy cropper; the roots are smooth, with a deep hollow crown and a small top. Flesh is fine grained, sweet and of excellent quality; cooks evenly, center being as fine, soft, even quality as outside portions. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 60c.

**IMPROVED HOLLOW CROWN.**—The old Long Sugar or Hollow Crown Parsnip was always a favorite and we are sure this improved variety will be well received. It is about the same shape as the old sort but smoother and of more even quality; fine grained and excellent. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

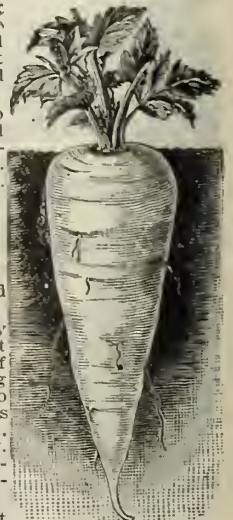
**IOWA STANDARD.**—Parsnips are a profitable crop not only for fall and winter use but quality is still better when dug in the early spring. The Iowa Standard is somewhat longer than the Table Guernsey. They are smooth and uniform in size and shape. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. 75c.

## PEANUTS.

Peanuts can be grown in Iowa, and everyone should plant at least a few, for the children.

**RED CROSS.**—This very desirable variety is early as the earliest, most hardy, very prolific and of 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 nuts carefully so as not to break inside skin, plant as soon as ground becomes warm, from 2 to 3 ft. apart each way, 4 or 5 to the hill, covering 2 inches. Soil should be deep and mellow. Produce from 25 to 70 bushels to the acre; easily cultivated as corn. Pkt. 10c, lb. 40c, postpaid. By express 5 lbs. or more at 25c per lb.

**SPANISH.**—A very early variety; quite prolific, but the pods are small. Per package 10c, lb. 50c.



GUERNSEY PARSNIP



# 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 2 to 4 feet apart, according to varieties, and 3 to 4 inches deep for general crop, although the first earliest will come to maturity sooner if only covered 1½ inches. The wrinkled sorts are marked \*. They should be sown thicker in the row than the smooth varieties; they are more liable to rot if the ground is wet. Crop is very short this year and prices are high, with prospect of further advance before planting time. Better order early. Prices include postage. Pints at one-half the quart rates. 15c per quart discount if sent by express. Pkts. contain about two oz.

**\*AMERICAN WONDER.**—Popular extra early variety for family garden. Cannot be planted quite as early as smooth sorts; will not stand as much cold, wet weather, but is far superior to them in flavor and table qualities. Dwarf, robust habit, growing about 10 inches high; produces a profusion of good-sized, well-filled pods of the finest flavored peas. Pkt. 5c, ½ pt. 15c, qt. 45c. By express, ½ pk. \$1.30, pk. \$2.25.

**\*PREMIUM GEM.**—Height 1 foot; early; prolific; type of and improvement on McLean's Little Gem. Pods long and dark green. Most popular sort for family use. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. \$1.00, pk. \$1.75.

**\*POTLATCH.**—Recommended by the introducer as the very best main crop pea. It is an improvement of the Stratagem, which has long held a place at the head of the list of standard peas. Our tests of Potlatch have led us to offer it to our customers with our recommendation as it is a decided acquisition. Pkt. 10c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.00.

**\*DWARF CHAMPION.**—This is a great improvement on Champion of England, which has been one of the sweetest, best, and most popular varieties for the last thirty years. The old variety is very tall (6 ft.), while this new sort grows only 2½ ft., and still 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. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 90c, pk. \$1.50.

**VELOCITY.**—For many years past the Alaska has been considered the earliest variety of peas, being several days ahead of other extra early sorts, but must now "take a back seat" and give Coopers Velocity the first place. This is a new variety from Essex, England. It is a blue pea somewhat resembling the Alaska but of a more dwarf growth, more productive and maturing its crop six to eight days earlier. As all gardeners know the best profit on early peas is during the first ten days' sale and therefore the desirability of the Velocity cannot be overestimated. It is of as good quality as any variety of its class but not as sweet, of course, as the later wrinkled sorts. Pkt. 15c, ½ pt. 30c, qt. 75c.

## IOWA STANDARD EARLY PEAS.

—Beyond question the finest quality of any early maturing variety. Will produce peas almost as early as the Alaska, and they are very much sweeter and better. Pkt. 10c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.00.

**\*IOWA STANDARD LATE PEAS.**—Of the very best quality. Of vigorous but still dwarf, healthy growth. An enormous cropper, both the pods and peas being of large size and quality par excellence. Pkt. 10c, ½ pt. 20c, qt. 60c, ½ pk. \$1.25, pk. \$2.00.

**\*IMPROVED STRATAGEM.**—Late variety for family or market use. Half dwarf, vigorous, branching habit, and under favorable conditions an enormous cropper. Pods are long and filled with seven to nine large peas of extra fine quality. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.20, pk. \$2.00.

**\*CHAMPION OF ENGLAND.**—One of the richest, best flavored peas grown. Pkt. 5c, ½ pt. 12c, qt. 35c. By express, ½ pk. 75c, pk. \$1.25.



GRADUS OR PROSPERITY PEAS.

**\*GRADUS, or Prosperity.**—One of the finest for family use. This remarkable pea is not only large and of the best quality but it is nearly or quite as early as the small round, extra early sorts. It is a wrinkled pea with vine growing about 30 inches high. The pods are of a bright green color and measure 4 inches or more in length, and are well filled with luscious peas—8 to 10 or more in a pod. Of the highest table quality and retain in a remarkable manner their color and attractive appearance after cooking. A grand pea in all respects. Pkt. 10c, ½ pt. 20c, qt. 55c. By express, ½ pk. \$1.50, pk. \$2.50.

**\*ALDERMAN.**—A grand new pea for main crop planting. Height 4 feet. Said to be the heaviest producer of any. Pods are extremely large, containing 7 to 9 mammoth peas which are of fine quality, tender and sweet. Vigorous and does not mildew so badly as most tall sorts. Pkt. 10c, ½ pt. 20c, qt. 60c. By express, ½ pk. \$1.25, pk. \$2.50.

**ALASKA.**—Height 2 ft., pods rather small, dark green color, well filled; the earliest pea known, being two days earlier than the First and Best, and ninety per cent of the pods can be gathered at the first picking. Pkt. 5c, ½ pt. 15c, qt. 45c. By exp., ½ pk. \$1.00, pk. \$1.75.

## IOWA CHALLENGE

—An extra early variety of superior merit which is a favorite with Des Moines market gardeners. We can in confidence say that after a trial of nearly all extra early varieties we have not found one possessing more merit, hence its name. For the market gardener it has no superior. Is not only extra early and prolific, but of good flavor. All good qualities of Extra Early are most nearly brought to perfection in the Challenge. Height 18 in. Pkt. 5c, ½ pt. 15c, qt. 40c. By exp., ½ pk. \$1.25, pk. \$2.00.

**MAMMOTH LUSCIOUS SUGAR.**—This new sugar pea bears pods much larger than any other variety, often six or seven inches long and an inch and one-half broad. They should not be shelled, but the peas and pods eaten together, as they contain so much sugar, starch and gluten; are very nutritious for family use. Pkt. 5c, ½ pt. 10c, qt. 35c. By exp., ½ pk. \$1.25, pk. \$2.25.

**DWARF WHITE MARROW.**—An improvement on the old Large White Marrowfat. Pkt. 5c, ½ pt. 10c, qt. 35c. By express, ½ pk. 55c, pk. 90c.

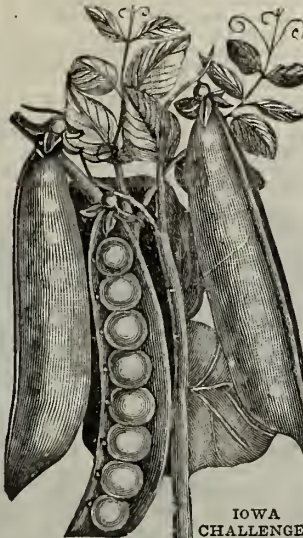
**FIELD PEAS.**—See list of Miscellaneous Field Seeds.

**\*TELEPHONE.**—Immensely productive; finest quality; excellent sugary flavor; vines very strong. Pods of large size, with 6 or 7 large, delicious peas; height 4 ft. Pkt. 5c, ½ pt. 15c, qt. 50c. By express, ½ pk. \$1.25, pk. \$2.00.

**\*EVERBEARING.**—Height 2 ft.; late to very late; a hardy, vigorous, enormous cropper; pods and peas large size and good quality. Pkt. 5c, ½ pt. 12c, qt. 40c. By express, ½ pk. 85c, pk. \$1.50.

**\*ABUNDANCE.**—Standard medium early. Large; productive. Pkt. 5c, ½ pt. 15c, qt. 45c. Exp., ½ pk. 85c, pk. \$1.50.

**\*NOTT'S EXCELSIOR.**—A superb new variety, and we are sure our customers will welcome it as an ideal family garden 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. Geo. 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. Pkt. 5c, ½ pt. 15c, qt. 50c. By exp., ½ pk. \$1.25, pk. \$2.00.

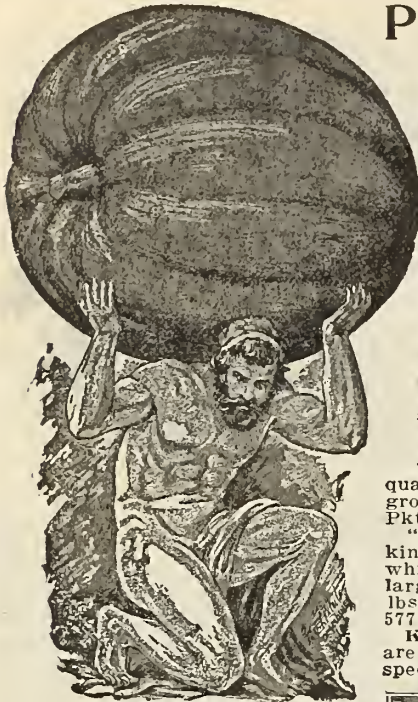


IOWA STANDARD

IOWA STANDARD







ATLAS PUMPKIN.

**YANKEE PIE.**—This is the noted New England Pie or Small Sugar Pumpkin. Same shape and color as the Connecticut Field but smaller, very sweet, fine grained and one of the best varieties for table use. It pleases everyone for making pies. Early. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**CALHOUN, or Thanksgiving Pie.**—A great improvement on the Large Cheese. Color creamy brown, flesh deep salmon yellow, fine grained; 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. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**JAPANESE PIE.**—This is similar in size and form to the well known Cushaw, but the skin is deep green, with darker stripes turning to yellow as fruit ripens; earlier than any other pumpkin. Seeds marked with curious indentations. Flesh very thick, a rich salmon color, dry and sweet, making rich pies without eggs. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 40c, lb. \$1.25.

**WHITE CUSHAW, or Jonathan.**—Attractive and sells better than the old green striped sort. A large, bottle-shaped variety. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c, lb. \$1.00.

**LARGE CHEESE, or Improved Kentucky Field.**—Large flat fruit; creamy buff skin; thick flesh. Usually called Sweet Pumpkin. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**BIG TOM.**—A greatly improved strain of Yankee or Connecticut Field Pumpkin which has been selected for many years to secure the most uniform type. Not only are the pumpkins larger and smoother but the yield is nearly double that of the old variety. We recommend it to our customers as the very best type of cornfield pumpkin. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c. Five pounds by express or freight at 35c per pound.

**GOLDEN RUSSET.**—Extra choice sweet variety; also called Winter Luxury. Golden yellow, netted or russeted over surface; small to medium size. Unsurpassed as a pie pumpkin and a good seller on market. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c, lb. 75c.

**CONNECTICUT FIELD.**—The common field or cow pumpkin. If you have any livestock to feed it will pay you to put in a few acres of these. Per oz. 5c,  $\frac{1}{4}$  lb. 15c, lb. by mail 35c. By express or freight, 10 lbs. \$2.25; bushel of 25 lbs. \$5.00.

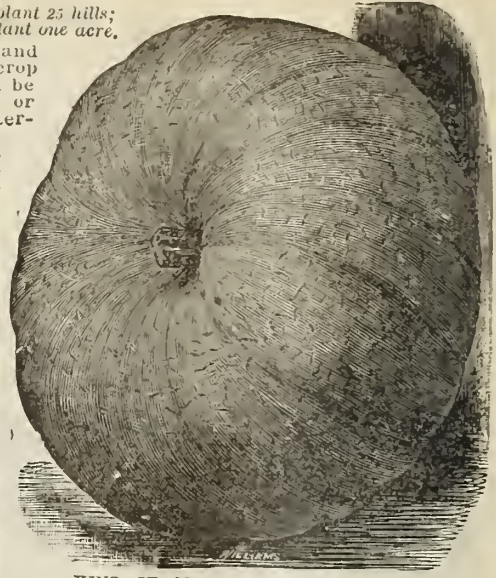
## PUMPKIN One ounce will plant 25 hills; 4 pounds will plant one acre.

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 a pumpkin pie? Planted with corn, two pounds will plant one acre.

**NEW ATLAS.**—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 Chill. 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. Flesh is a rich yellow, very thick, and excellent quality, nutritious and profitable to grow for stock feeding. Keeps well. Pkt. 10c, oz. 25c.

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

**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

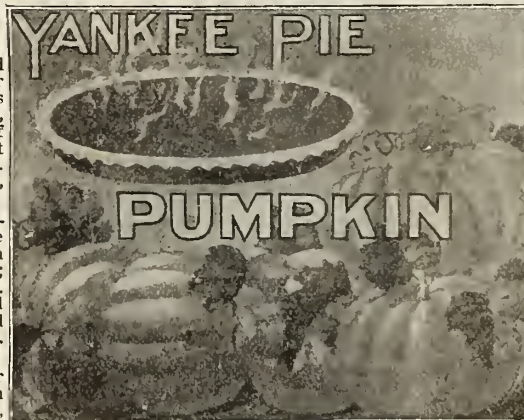


KING OF MAMMOTH PUMPKINS.

he grew one that weighed 158 pounds, and on the same vine had five other pumpkins from 90 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 to grow the King of Mammoths and exhibit them at your county fair? Our seed is from select specimens. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 50c, lb. \$1.50.

**MAMMOTH TOURS.**—Is also called “Mammoth Whale.” Grows to an immense size, sometimes 3 feet in length, and to a weight of 100 to 200 pounds. Flesh of a salmon color. Seed of a peculiar shape. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.40.

**MAMMOTH ETAMPES.**—Giant variety from France. Bright red color. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c, lb. \$1.50.



BIG TOM PUMPKIN.

## Collection of Mammoth Pumpkins

One Packet Each of New Atlas, Mammoth Tours,  
King of Mammoths and Mammoth Etampes,

**ONLY TWENTY CENTS**

GROW PUMPKINS IN THE WASTE PLACES ON THE FARM. THEY WILL PROVE PROFITABLE



# RADISH.

One ounce will sow one hundred 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.



VIOLET QUEEN RADISH.

**EARLY BIRD.**—Decidedly the earliest of all radishes. Quick growth is one of the main essentials for a crisp and tender radish, and with loose soil and proper culture the Early Bird is ready for the table in twenty days from time of sowing the seed, which makes it one of the most desirable sorts ever offered for either forcing or outdoor culture. It is of round or turnip shape as shown in our illustration, of bright scarlet color and pure white flesh, which is tender, crisp and

of the very best flavor. It has few and short leaves, which admits of very close growing, thus producing a large number of bundles of radishes on the same ground. Very desirable for the home garden and money maker for the market gardener. Per pkt. 5c, oz. 15c, ¼lb. 30c, lb. 85c.

**GRAY LARK.**—A unique variety from Spain which was grown for several years near New York City by some German market gardeners who found such a heavy demand that they devoted all their space to it. Is really an all seasons radish, making nice shaped little roots very early and they keep on growing larger and hold their quality until late in the fall. Crisp, brittle and of excellent flavor. Color is peculiar, being of a grayish brown spotted or diversified. Will soon become a favorite wherever tested. Pkt. 5c, oz. 20c, ¼lb. 60c



ICICLE RADISH.

**VIOLET QUEEN RADISH.**—A novelty of 1908 and decidedly the handsomest of all radishes. It is a small, round or turnip-shaped variety of a beautiful violet-purple color, sometimes shading to white near the tip, thus giving it a very pleasing aspect. It matures quickly, is solid, crisp and of excellent flavor, and does not become pithy quickly. For best results grow in loose, rich soil and cultivate well. It is very showy on the table, especially when put in a glass dish with red and white radishes. Do not fail to try it. Per pkt. 10c, oz. 25c, ¼lb. 75c.



STRIPED TRIUMPH RADISH.

ored. Stands hot weather well. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**ROSY GEM.**—A handsome globe-shaped variety of rosy scarlet, shading to white at tip. Similar to Scarlet Gem, but lighter color. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**EARLY SCARLET TURNIP.**—A small, round, red, turnip-shaped radish, of quick growth. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**ICICLE.**—A splendid long variety of almost transparent whiteness. Produces nice roots in 22 days from date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed nice, crisp radishes may be had from spring until midsummer. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 70c.

**WHITE LADY FINGER.**—Large, white, crisp variety, about as long as Long Scarlet, similar shape. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**WHITE STRASBURG.**—Of a handsome oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**CRIMSON GIANT FORCING.**—The most profitable variety for market gardeners, and may well be considered the most valuable new variety which has been sent out for many years. It is a rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Rosy Gem and Scarlet Globe, usually measure from two to three inches in circumference at the time of marketing, while the Crimson Giant forms roots six to seven inches in circumference without getting pithy or hollow, and they retain their firmness and tenderness of flesh. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. 90c.

**EARLY SCARLET GEM.**—An extremely early variety which has matured fit for the table in seventeen to twenty days from the time of sowing the seed and is fully grown in less than four weeks. It is of a perfect globe shape, and of a bright, rich scarlet color, tipped with white, thus making it particularly handsome on the table. The Scarlet Gem has very few leaves, therefore is an excellent variety for forcing, and gardeners will find it an "A No. 1" seller on the market. In quality it stands unsurpassed—tender, crisp, appetizing. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.



EARLY BIRD RADISH.

**STRIPED TRIUMPH.**—A beautiful new variety which is a decided novelty. It is of the shape shown in our illustration, with white skin striped bright scarlet, being decidedly ornamental when placed on the table. It is very early, has very small top, thus adapting it to cultivation in hotbeds. The flesh is white, crisp, tender and as good flavor as any radish grown. It being a sport, some of the roots are always of solid color, not variegated, but they are always of fine quality regardless of color. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.25.

**IOWA STANDARD EARLY RADISH.**—If you are only growing one variety of radish, we are sure you will be pleased with this choice sort.

It is larger in size and considerably longer than the Scarlet Globe, and of handsome bright scarlet color throughout. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.00.

**EARLY LONG SCARLET, or Short Top.**—An old standard variety; quick growth; long, slender root. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**IMPROVED CHARTIER.**—Roots are long and cylindrical, scarlet rose above, shading into pure waxy white at the tip. Flesh white, crisp and mild flavored. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**ROSY GEM.**—A handsome globe-shaped variety of rosy scarlet, shading to white at tip. Similar to Scarlet Gem, but lighter color. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**EARLY SCARLET TURNIP.**—A small, round, red, turnip-shaped radish, of quick growth. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**ICICLE.**—A splendid long variety of almost transparent whiteness. Produces nice roots in 22 days from date of sowing, and it continues in prime condition for a long period, so that in one sowing of seed nice, crisp radishes may be had from spring until midsummer. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 70c.

**WHITE LADY FINGER.**—Large, white, crisp variety, about as long as Long Scarlet, similar shape. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**WHITE STRASBURG.**—Of a handsome oblong, tapering shape, both skin and flesh are pure white. The flesh is firm, brittle and tender and retains its crispness even if old and large. Excellent for summer use. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**CRIMSON GIANT FORCING.**—The most profitable variety for market gardeners, and may well be considered the most valuable new variety which has been sent out for many years. It is a rapid growing sort, developing roots of beautiful deep crimson color, perfect shape and more than double the size of any other forcing variety. The old standard sorts, such as Rosy Gem and Scarlet Globe, usually measure from two to three inches in circumference at the time of marketing, while the Crimson Giant forms roots six to seven inches in circumference without getting pithy or hollow, and they retain their firmness and tenderness of flesh. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. 90c.

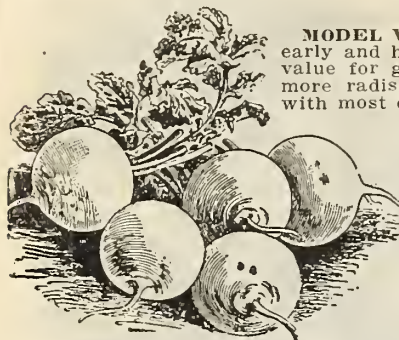


IOWA STANDARD RADISH.

YOU CAN NOT BUY BETTER RADISH SEED THAN OURS, NO MATTER WHAT THE PRICE.



**RADISH--Continued.**



MODEL WHITE BOX RADISH.

**MODEL WHITE BOX.**—Of most handsome shape, very early and has but few leaves, thus making it of special value for growing in hotbeds and boxes and one-third more radishes can be grown in the same space than with most other sorts. Of clear white color, solid, juicy and unsurpassed in flavor. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**EARLY SCARLET GLOBE.**—The most popular variety for hotbeds and forcing, as it is the earliest of all. Of handsome color; crisp, juicy and tender. 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 readily than any other sort. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 70c.

**FRENCH BREAKFAST.**—Of medium size, olive shaped, with small top, quick growth; beautiful scarlet color shading to white. Pkt. 5c, oz. 10c, ¼lb. 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; tops small, admitting of close planting. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. 90c.

**CINCINNATI MARKET.**—An excellent long radish of glossy, brilliant scarlet color, having small top. The best long red radish for forcing. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**ALL SEASONS, or Celestial.**—A summer and fall sort, keeping quite well also for winter use. Large ivory white roots of fine quality. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

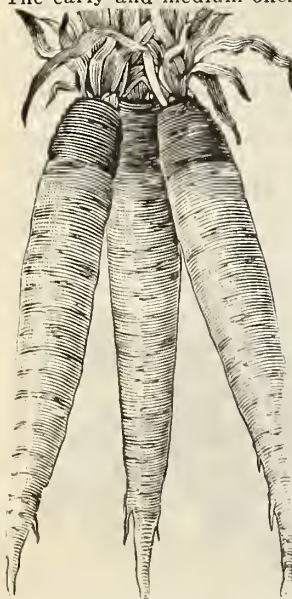
**CHINA ROSE WINTER.**—Bright rose colored; winter variety. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**CALIFORNIA MAMMOTH WHITE.**—Large size, 8 to 12 inches long, 2 to 3 inches thick; white, solid and of good quality. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 70c.

**LONG BLACK SPANISH.**—A large black skinned radish, with firm white flesh of pungent flavor. A good keeper, lasting till spring. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**COOPER'S SPARKLER.**—A new extra early white-tipped round radish. It is distinct in that the white tip is larger and more pronounced than in any other variety. Much more of the root is white than is shown in our illustration, and the contrasting colors being so nearly equal gives it a more attractive appearance than any of the varieties now on the list. Well adapted for either forcing in frames or for the private garden. Will brighten the whole table if placed in a glass dish where the colors show to good advantage. Quality unsurpassed; remain solid and crisp a long time. Pkt. 10c, oz. 20c, ¼lb. 50c, lb. \$1.50.

**IOWA SEED CO.'S RADISH MIXTURE.**—Superb mixture of all kinds of radishes, early, medium, fall, winter, Chinese, etc. Sow a row of it and it will furnish you delicious radishes throughout the year. The early and medium ones as they mature and are pulled, make room for the larger growth of the fall and winter varieties. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.



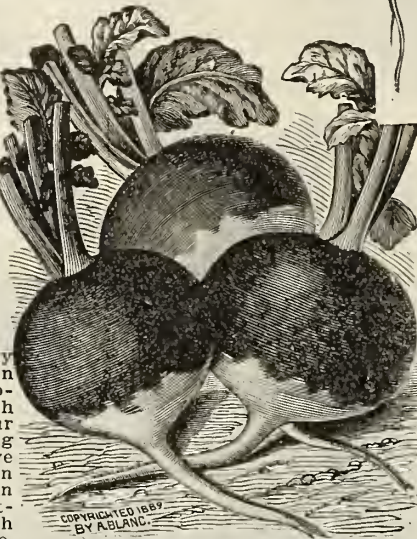
SANDWICH ISLAND SALSIFY.

**SALSIFY.**

**VEGETABLE OYSTER.** One ounce will sow 50 ft. of drill, 8lbs. to acre.

Why don't you grow salsify. It 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.**—Average fully double size of old Long White. Roots are white, smooth and, notwithstanding their enormous size, of superior quality. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.25.



COOPER'S SPARKLER RADISH.



EARLY SCARLET GLOBE RADISH.

**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.**—This new variety, which is decidedly the finest and best of all, originated with Dr. Kennicott, of Illinois. Stalks are much larger than the Victoria or any other sort and are also produced in much greater abundance. Like all other highly improved sorts it seeds sparingly and comes more nearly true to name when grown from seed than most other sorts. Pkt. 10c, oz. 25c, ¼lb. 75c. Strong roots 25c each, doz. \$2.00 postpaid.

**VICTORIA.**—The old standard sort. Pkt. 5c, oz. 15c, ¼lb. 40c, lb. \$1.25. Strong roots 15c each, \$1.00 per dozen, postpaid.

**SPINACH.**

One ounce will sow about 50 feet of drill; 10 lbs. to the acre.

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 use sow the first of September; protect with straw.

**VICTORIA.**—Distinguished by exceedingly dark, black-green color and for its very long standing qualities, being two or three weeks later than the ordinary varieties. Leaves are thick and spread out flat upon ground. Excellent for spring sowing, but not sufficiently hardy to withstand winter in this locality. Pkt. 5c, oz. 10c, ¼lb. 15c, lb. 35c. By express, 5lbs. or more, at 25c.

**LONG STANDING.**—A standard with gardeners; leaves thick, fleshy and crumpled, round, large, and dark green color; is slow to run to seed. Pkt. 5c, oz. 10c, ¼lb. 15c, lb. 35c. By express, 5lbs. or more, at 20c.

**BLOOMSDALE.**—Is a Savoy-leaved curled variety, very highly valued, especially in the south. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 45c.

**NEW ZEALAND.**—Is very useful to supply the place of the ordinary spinach during the hottest months of the year or in dry, arid localities. A few plants will supply a family with this delicious vegetable from July to October. A distinct variety. Pkt. 5c, oz. 10c, ¼lb. 30c, lb. \$1.



NEW ZEALAND SPINACH

**RHUBARB ROOTS SHOULD BE RENEWED EVERY TWO OR THREE YEARS TO GET BEST RESULTS.**



# SQUASH.

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 the hill. The soil cannot be too rich. Use Slug Shot to kill the bugs.

**GOLDEN BUSH.**—An improvement on the old Yellow Bush Scallop or Patty Pan. The earliest of all and quite a favorite with all who like summer squash. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 65c.

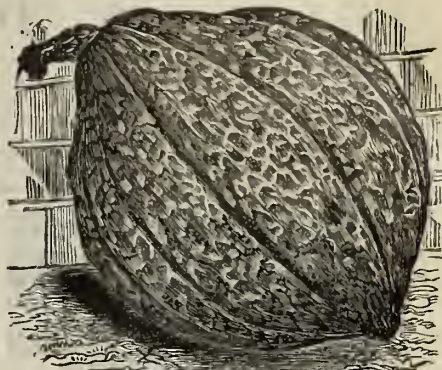
**WHITE BUSH SCALLOP.**—Similar to Golden Bush. Color creamy white; an excellent sort for family garden for early use. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**EARLY BUSH CROOKNECK.**—Splendid sort, early, productive, very fine quality. With all new varieties recently brought out, many claim that there is no summer squash superior to this. Pkt. 5c, oz. 10c, ¼ lb. 20c, lb. 60c.

**PERFECT GEM.**—Is a strong grower, as many as twenty-four squashes having been produced on a single vine. Squashes are from 4 to 6 inches in diameter; of a creamy white, with thin, smooth shell, slightly ribbed. Flesh when cooked is dry, sweet and rich in flavor. It is a splendid keeper. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

**NEW HESTER.**—This extra choice new variety, which we introduced, is of the same shape as the Sibley, but the color is of a pinkish yellow, slightly striped at the point with light green. They are early and can be used as a summer squash, but is superior to the Hubbard for winter. When stewed or steamed they are dryer than when baked and make delicious pies. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.25.

**NAPLES GIANT.**—We have been much pleased with this new mammoth variety which was first brought to this country from Italy last spring and everyone who visited our seed farms was delighted with it. The vines grow to prodigious length and are well loaded with large squashes 2½ to 5 feet long and solid throughout except a small cavity at one end. Immensely productive and when the size of the squashes is taken into consideration our customers will realize its great cropping advantages. The specimens sometimes weigh 100lbs. each and are fairly fine grained and of good quality. Pkt. 10c, oz. 20c, ¼ lb. 65c.



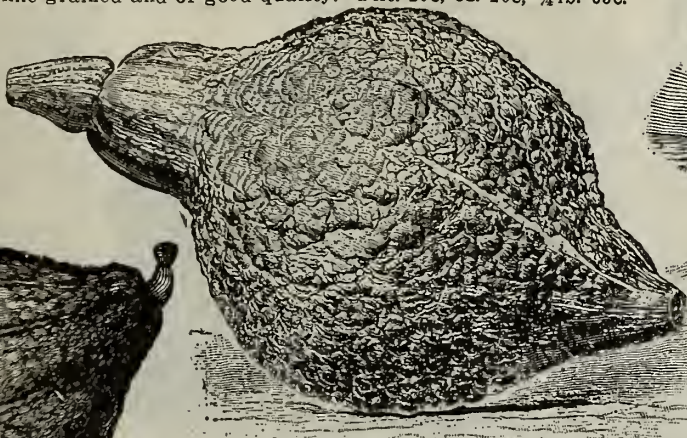
EARLY PROLIFIC MARROW SQUASH.



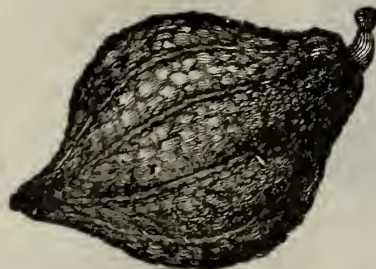
WARTED HUBBARD.

COLLECTION  
—OF—  
**HUBBARD  
SQUASHES**

One packet of each of the four varieties of the Hubbard Squash for only 15c.



TRUE HUBBARD.



BLUE HUBBARD.

**TRUE HUBBARD.**—This old variety for years has 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. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 75c.

**SIBLEY, or Pike's Peak.**—We consider this one of the very best winter varieties. Has the reputation of being only variety surpassing the Hubbard in quality. Large oval fruits tapering at blossom end. Shell hard, dark, olive green color. Flesh light orange color, of best quality. Vines strong, productive. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.

**WARTY HUBBARD.**—A new strain of the Hubbard. The wartiness indicates a very hard shell, which is one of the very 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; the flesh, however, is not so thick as the old Hubbard. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 85c.

**BLUE HUBBARD, or Marblehead.**—A splendid winter variety. Shell light blue; flesh similar to the Hubbard in quality. Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. 90c.

**GOLDEN HUBBARD, also called Red Hubbard.**—This is a counterpart of the old Green Hubbard, except in color, which is a bright, deep orange yellow; much richer in color than Hubbard, fine grained, cooks very dry, and is of excellent flavor. Its keeping qualities are fully equal to, while in productiveness it far excels the green variety. This is a squash that every market gardener should plant, for it is a "seller." Pkt. 5c, oz. 10c, ¼ lb. 30c, lb. \$1.00.

**DELICIOUS.**—On our place this has proved to be a most desirable new winter variety. Color of the skin is green, with an occasional blue specimen, about the same size as the Hubbard, weighing 5 to 10 lbs. Has very thick flesh, cooks dry and is of superior flavor. Although a good fall variety it is in its best condition during the winter. Pkt. 5c, oz. 20c, ¼ lb. 50c, lb. \$1.25.

**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 consumers. Pkt. 5c, oz. 10c, ¼ lb. 25c, lb. 85c.

**PEERLESS VEGETABLE MARROW.**—In England they consider the Vegetable Marrow far superior to any variety of squash, but for some reason it has never become popular here. The Peerless is, we believe, the most desirable sort, fruits being of handsome shape, creamy white color, very large size, of excellent flavor. Very productive. Cultivate like squash. Pkt. 5c, oz. 15c, ¼ lb. 50c, lb. \$1.50.



PEERLESS VEGETABLE MARROW.



MAMMOTH CHILI SQUASH.

KILL THE BUGS ON SQUASHES, CUCUMBERS AND OTHER VINES BY USING SLUG SHOT.



# 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 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 from 500 to 1,000 seeds.

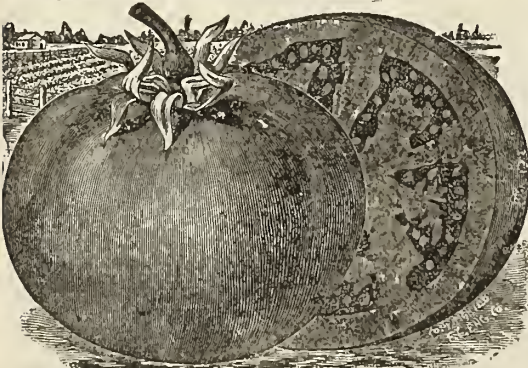
**THE EARLIEST TOMATO IN THE WORLD**



SPARKS' EARLIANA TOMATO.

**LIVINGSTON'S BEAUTY.**—Originated with the late Mr. A. W. Livingston, of Franklin Co., Ohio, and is one of the best ever introduced. Its size, beauty, shape, color, flavor, durability and productiveness make it desirable to growers. Pkt. 5c, oz. 20c, ¼lb. 60c, lb. \$2.00.

**JUNE PINK.**—This may briefly be described as a pink Sparks' Earliana. The plant is of neat, compact growth, branching freely, with fruit hanging in clusters of 6 to 10 fruits. Ripens fully as early as the Earliana, about ten days earlier than most of the early sorts. Fruits are of medium size, smooth, without cracks or green core. Skin is tough, thus making it a good shipper. Color is a bright, pleasing pink, and where the pink varieties are in favor it will bring readily 25 per cent higher price than the red sorts. A continuous bearer until cut off in fall by frost. Per pkt. 10c, oz. 50c, ¼lb. \$1.50.



MATCHLESS TOMATO.

**MATCHLESS.**—Well worthy of its name, for in beauty, color and symmetry of form it is indeed without a peer. Vines are of strong, vigorous growth, well set with fruit, which is entirely free from core, of finest flavor, very rich cardinal red color, and not liable to crack from wet weather; of large size, and the size of the fruit is maintained throughout the season. Solid, of fine quality and keeps well. Pkt. 5c, oz. 25c, ¼lb. 75c, lb. \$2.50.

**GOLDEN NUGGET.**—When at the Royal Agricultural Show in England, our attention was especially attracted by this grand new variety. Fruits are beautiful golden yellow color, round as a ball and about as large as a walnut. Flavor exceptionally fine, and it is the most desirable variety for eating from the hand or as a dessert fruit. We have grown them now both on our farm and at our trial grounds, and were more than pleased with the result. The plants were loaded down with 150 to 200 of the most beautiful rich golden yellow fruits and the flavor is delicious. Don't fail to try them. Extra fine. Pkt. 10c, oz. 60c, ¼lb. \$1.75.

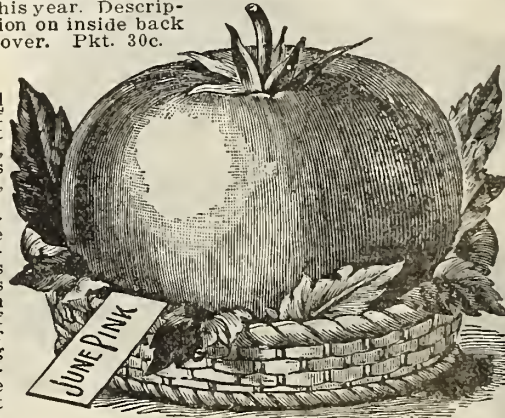
**SPARKS' EARLIANA.**—Probably no early tomato introduced in many years has attracted so much attention and has so large a sale as Sparks' Earliana. It is not only extremely early, but is remarkable for its large size, handsome shape, and beautiful bright red color. Its solidity and fine qualities are fully equal to many of the best late sorts. Extra early tomatoes are one of the most profitable crops for the market gardener, as well as specially desirable in the home garden. You will make no mistake in planting the Earliana. Pkt. 10c, oz. 30c, ¼lb. \$1.00, lb. \$3.00.

**IOWA STANDARD.**—Of medium size, with perfect shape and one of the most productive varieties that we have ever seen, the fruit being so perfect and even as to almost have the appearance of having been made in a mold. Pkt. 10c, oz. 30c, ¼lb. \$1.00, lb. \$3.00.

**MAJESTIC.**—Described on inside back cover. Pkt. 10c, oz. 75c.

**RED MAJESTIC.**—See description on inside back cover page. Pkt. 15c, oz. \$1.00.

**GOLDEN MAJESTIC.**—Our new introduction of this year. Description on inside back cover. Pkt. 30c.



being of larger size, more solid and uniform in quality. Pkt. 5c, oz. 25c, ¼lb. 75c, lb. \$2.50.

**STONE.**—One of the best of all the standard sorts. Color is a bright red. Fruit is of large size, perfectly smooth and of best table quality in every respect. It is a famous main crop tomato in many sections, both north and south, and is much used for canning. Productive and the fruit bears shipment well. Pkt. 5c, oz. 20c, ¼lb. 60c, lb. \$1.75.

**CRIMSON CUSHION.**—Persons having only a small garden will appreciate this as it can be grown on trellises and in this way three or four times as much fruit can be grown on same space. Grows 7 to 10 feet high, if desired, but as most of fruit is borne 3 or 4 feet from the ground, well out of reach of chickens, it is just as well to trim off tips. Fine quality, extremely large and excellent for slicing or canning. Pkt. 5c, oz. 30c, ¼lb. \$1.00, lb. \$3.50.

**DWARF CHAMPION.**—Habit of growth 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. Early, of a purplish pink color; smooth, symmetrical, solid and of fine quality. Best variety to grow for plants for sale as they are so stocky. Pkt. 5c, oz. 25c, ¼lb. 75c, lb. \$2.50.



GOLDEN NUGGET TOMATO.



IOWA STANDARD TOMATO.

**IMPROVED TROPHY.**—Our Improved Trophy is vigorous and productive; its large, solid, smooth, fine-flavored fruit will satisfy the most exacting. Also much liked for canning. Pkt. 5c, oz. 20c, ¼lb. 65c, lb. \$2.00.

**FAVORITE.**—Bears clusters of 3 to 7 tomatoes of a rich, dark red color, very smooth, flesh firm. A nice canning variety. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.75.

**ACME.**—Valuable for early market; medium size, early a glossy red with purplish tinge. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.75.

**PERFECTION.**—Large and round, smooth, handsome red fruit of highest quality. It proves very satisfactory for forcing under glass. Pkt. 5c, oz. 15c, ¼lb. 50c, lb. \$1.75.

**IOWA BEAUTY.**—Improvement on Livingston's Beauty, uniform in quality. Pkt. 5c, oz.

THERE ARE NO TOMATOES IN THE WORLD SUPERIOR TO OUR THREE MAJESTICS.



## TOMATO--Continued.

**PONDEROSA.**—Very large, inclined to be irregular in shape, but of fine quality. Purplish red. Pkt. 5c, oz. 30c, ¼lb. \$1.00, lb. \$3.50.

**GOLDEN QUEEN.**—Best of the large yellow varieties. Fruit smooth, of finest flavor, ripens evenly; a handsome sort. Pkt. 5c, oz. 25c, ¼lb. 75c.

**JAPANESE CLIMBING.**—A great novelty. Beyond comparison the tallest growing variety that we know of, growing 10 to 12 feet high and bearing fruit way to the tip. Fruits are of a nice medium size, of fine shape, solid, smooth and of a beautiful shining crimson color. They are produced in great clusters and the plant is productive and a continuous bearer. One plant properly trained on a trellis will produce more fruit than a dozen ordinary tomato plants. Fruits contain few seeds and are of superior flavor. If the seed is started early in the house they will begin fruiting in July and one or two well developed plants will produce enough fruit for a small family the entire season, and every owner of a garden, no matter how small, should grow this wonderful tomato. Pkt. 10c, oz. 75c.

**CRIMSON CURRANT.**—Most charming little fruit, hardly more than a half inch in diameter, of bright crimson color; borne in long clusters containing 20 to 60 tomatoes. Excellent for eating from the hand or preserved. Pkt. 10c, oz. 60c.

**BURBANK'S PRESERVING.**—Plants of dwarf, stocky growth, with dark green potato-leaf foliage. Small round scarlet tomatoes, borne in clusters, only three-fourths inch in diameter; unusually rich, sweet flavor. Pkt. 10c.

**YELLOW PEAR.**—A favorite with all who know them. Fruit is pear-shaped and of a deep yellow color. Highly valued as a table delicacy raw, also for preserving or to make "tomato figs"; fine pickled. Pkt. 5c, oz. 30c, ¼lb. 75c.

**MIXED TOMATOES.**—For the benefit of some customers who would like to try all kinds, we have prepared this mixture of sorts named above. Pkt. 5c, oz. 25c, ¼lb. 75c.

**STRAWBERRY, or Husk Tomato.**—Also called Ground Cherry. Plants of spreading habit and immensely productive. Pkt. 5c, oz. 40c.



JAPANESE CLIMBING TOMATO.

## TURNIP. *One ounce will sow 150 feet of drill. Two pounds will sow an acre,*

For early, sow in April in drills half an inch deep and twelve inches apart; thin to six inches apart in the drill. For main crop sow broadcast in July and August, and just before a shower if possible.

**EXTRA EARLY PURPLE TOP MILAN.**—One of the earliest sorts in cultivation. Bulb very flat, 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. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 65c.

**EARLY WHITE MILAN.**—Much like the above, but is pure white all over, instead of having purple top. Quite popular with gardeners. Pkt. 5c, oz. 10c, ¼lb. 25c, lb. 75c.

**EARLY SNOWBALL.**—A globe-shaped, white-skinned turnip, very fine grained, firm and of delicate flavor. One of best keeping of white fleshed sorts, very early and particularly adapted for family or market use. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

**WHITE EGG.**—A quick-growing, egg-shaped, perfectly smooth, pure white variety with small top and rough leaves. Flesh very sweet, firm and mild, never having any rank, strong taste. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**MIXED TURNIPS.**—All the table varieties mixed in equal proportions. For family use. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 60c.

**GOLDEN BALL, or Orange Jelly.**—A beautiful bright yellow turnip of medium size and universally sweet and delicious flavor. Is hardy and one of the best keepers. Flesh extremely firm and solid. Brings good price on market. If you have never tried yellow turnips we advise you to plant some of the Golden Ball in your home garden this year. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c.

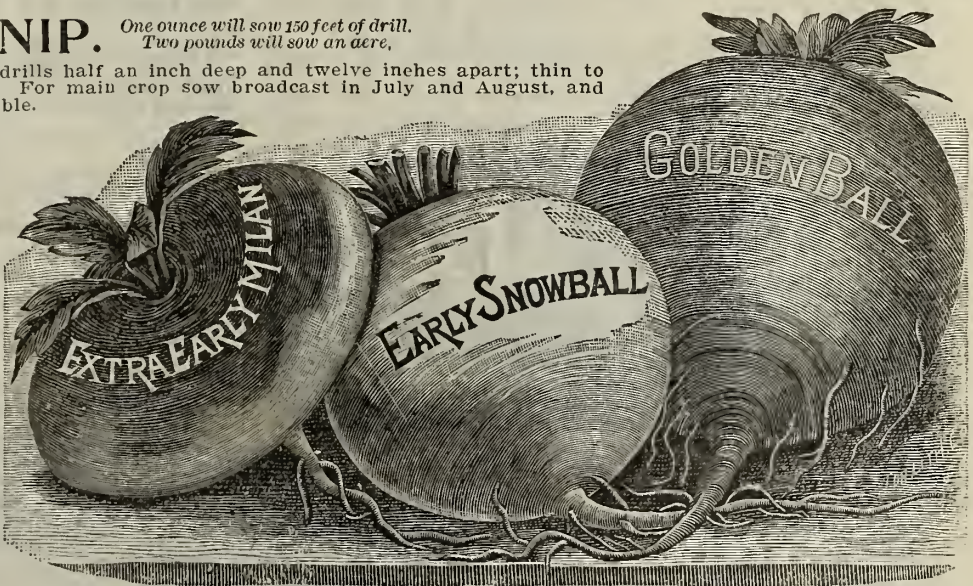
**SCARLET KASHMYR.**—This new, extra early, bright scarlet turnip has a striking resemblance to a large radish. The flesh is white and crisp. Matures almost as quickly as the earliest radish, and when cooked is of unsurpassed quality. Good keeper and entitled to a place among garden favorites. Pkt. 5c,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

**PURPLE TOP STRAP LEAVED.**—The standard for this part of the country for late planting, and we sell immense quantities of it every year. One of the best table and stock sorts on the market, being fine grained and of mild flavor. Of good size, flat shape, pure white below with purplish red top. Good cropper and excellent keeper. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 45c; 5lbs. or more, not prepaid, at 30 cents.

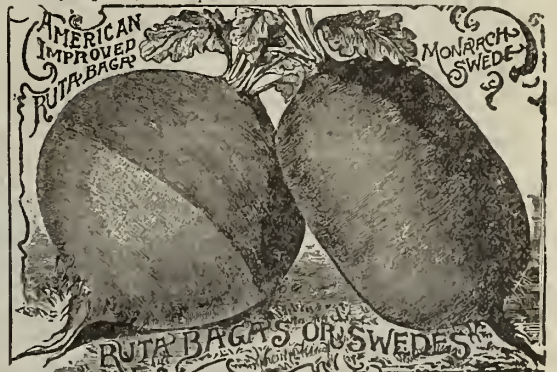
## RUTA BAGA.

Largely grown in the northern states and Canada for stock feeding, and for this purpose they are superior to turnips. Sow not later than June in drills 2 feet apart and thin out to 8 inches in the row.

**MONARCH.**—This grand, new and distinct form of ruta baga is, we believe, by far the most productive of all. Of tankard shape, with very small neck, skin dark red above ground and yellow below, flesh rich yellow, fine grained, good quality. Pkt. 5c, oz. 10c, ¼lb. 20c; lb. 50c; 5lbs. or more, not prepaid, at 35c.



**PURPLE TOP GLOBE.**—Similar to the Purple Top Strap Leaved except shape. The largest yielder of any turnip on the list and always brings top of market price. Desirable for table use or for stock. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c; 5lbs. or more, not prepaid, 35c per lb.



**IMPROVED AMERICAN.**—Very solid, fine quality, good shape, smooth skin, small neck, keeps well. A choice strain of the very best quality for table use or stock feeding. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 45c; 5lbs. or more, not prepaid, at 30c.

**WHITE SWEET GERMAN.**—Large size, oval and very solid; flesh pure white, sweet. Best keeping sort. Pkt. 5c, oz. 10c, ¼lb. 20c, lb. 50c; 5lbs. or more, not prepaid, at 35c.

BETTER SOW TURNIPS IN THE STUBBLE FIELDS. YOU CAN GET TWO CROPS IN THIS WAY.





## VINE PEACH.

A splendid novelty introduced by us. The vine on which they are borne is somewhat similar to the muskmelon vine, and requires the same cultivation. The fruit is about the size of a large peach, oval shaped, and is of a bright orange yellow color, somewhat russetted. For sweet pickles, pies or preserving they are superb. A jar of these cut in halves and cooked in syrup present a beautiful and tempting appearance. Recipes for preparing for the table will be sent with each order. In the west or 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; not usually liked raw. Pkt. 5c, oz. 25c,  $\frac{1}{4}$  lb. 75c.

## NASTURTIUM.

These furnish tender seed-pods which make delicious pickles. For this purpose we send the Tall or Climbing Mixture. Oz. 10c,  $\frac{1}{4}$  lb. 20c.

## HERBS.

In making up your assortment of seeds for the year don't neglect to order a few varieties of herbs. The chief point is to harvest them properly, which should be done on a dry day when not quite in full bloom, dried quickly and packed closely and entirely excluded from the air. Those marked with an asterisk (\*) are perennial.

- ANISE.**—Seeds of agreeable, aromatic taste. Pkt. 5c, oz. 10c.  
**BALM.**—For making balm tea. Pkt. 5c, oz. 25c.  
**BASIL, SWEET.**—For flavoring soups, stews, etc. Pkt. 5c, oz. 15c.  
**BORAGE.**—Leaves used for flavoring. Pkt. 5c, oz. 15c.  
**\*CARAWAY.**—Seeds are used for flavoring bread, etc. Pkt. 5c, oz. 10c.  
**\*CATNIP, or Catmint.**—For seasoning. Pkt. 5c, oz. 30c.  
**\*CORIANDER.**—Seeds used in confectionery. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 25c.  
**CASTOR OIL PLANT.**—Seeds are pressed out to obtain oil. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 50c.  
**\*CHAMOMILE.**—Largely used for medicinal purposes. Pkt. 10c, oz. \$1.50.  
**\*DANDELION.**—Grown for greens, also for medicine. Pkt. 5c, oz. 35c.

**DILL.**—Seeds are sown for dill pickles. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 20c, lb. 60c.

**\*FENNEL, SWEET.**—Leaves used in saucers. Pkt. 5c, oz. 10c.

**\*HOREHOUND.**—For seasoning and cough remedy. Pkt. 5c, oz. 20c.

**\*HYSSOP.**—For asthma and catarrh. Pkt. 5c, oz. 20c.

**\*LAVENDER.**—Used as a perfume. Pkt. 5c, oz. 25c.

**MARJORAM, SWEET.**—For seasoning. Pkt. 5c, oz. 15c.

**OPIUM POPPY.**—White seeded. Pkt. 5c, oz. 10c.

**\*ROSEMARY.**—Aromatic leaves used for seasoning. Pkt. 5c, oz. 25c.

**\*RUE.**—For medicinal purposes; good for fowls. Pkt. 5c, oz. 15c.

**SAFFRON.**—Flowers used for coloring. Pkt. 5c, oz. 15c.

**\*SAGE.**—Much used for dressing. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 40c, lb. \$1.40.

**SUMMER SAVORY.**—Used for flavoring. Pkt. 5c, oz. 10c,  $\frac{1}{4}$  lb. 30c.

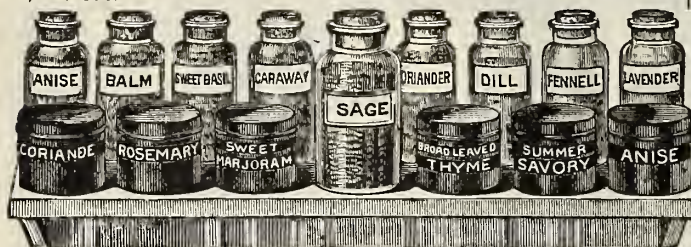
**SWEET WOODRUFF.**—A sweet scented herb; forms the principal ingredient of the famous German Maitrank. Pkt. 5c, oz. 60c.

**\*TANSY.**—Cultivated for its medicinal purposes. Pkt. 5c, oz. 40c.

**\*THYME.**—Leaves and young shoots used for seasoning. Pkt. 5c, oz. 20c.

**\*WORMWOOD.**—Used medicinally and for poultry. Pkt. 5c, oz. 20c.

**MIXED VARIETIES.**—A mixture of all the above. A nice garden assortment. Pkt. 5c, oz. 15c,  $\frac{1}{4}$  lb. 45c.



CHIVES.

## GARDEN PLANTS AND ROOTS.

Every garden should contain an assortment of these hardy plants and a few square feet will supply the family. 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 must amount to at least 25 cents. We pay the postage.

**ARTEMESIA, or Brotan.**—A hardy plant sometimes called "Old Man." The leaves have a pleasant odor and bitter taste. Use similar to wormwood. Each 15c, 3 for 40c.

**BALSAM MINT.**—Has a soft, agreeable fragrance and is used for perfume; also used for flavoring soups, salads, etc. Each 15c, 3 for 40c.

**CALAMUS—Plain Leaf.**—(Acorus)—Also called "Sweet Flag." Leaves have an aromatic odor and roots a pungent taste. Grows in wet soil or beside ponds, but can be grown in dry places also. Each 15c, doz. \$1.50.

**Variegated.**—Same, but variegated leaf. Ea. 15c, doz. \$1.50.

**CHIVES.**—Perfectly hardy little perennials of the onion tribe, and are grown entirely for their tops, which are used wherever the flavor of onion is required. Plant in small clumps in any common garden soil and they will grow readily. The tops appear very early in spring and can be shorn throughout the season. In New England it is considered indispensable for use in omelets. Roots per bunch 15c, 3 for 35c, doz. \$1.00.

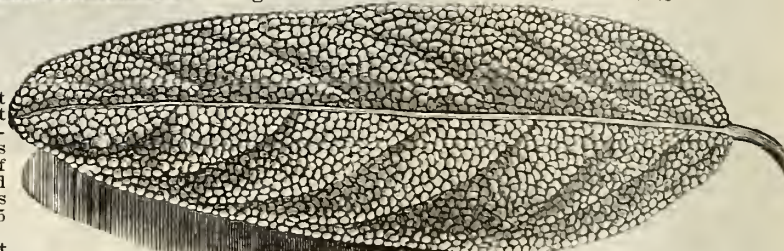
**MONARDIA DIDIMA.**—Also called Scarlet Bergamont and Oswego Tea. Each 10c, 3 for 25c, doz. 75c.

**CATNIP, or Catmint.**—Used largely for infants. Each 10c, 3 for 25c, doz. 75c.

**PEPPERMINT.**—All children know and like the flavor of peppermint. It has high medicinal value. Each 10c, 3 for 25c, doz. 75c.

**TARRAGON.**—The true tarragon is appreciated thoroughly by all who know it, for the use of its aromatic leaves in seasoning salads, soups, pickles, etc., and also for tarragon vinegar. Each 15c, 3 for 40c, doz. \$1.25.

**HOP ROOTS.**—English Cluster.—For making yeast, etc. Each 15c, 3 for 35c, dozen \$1.00.



HOLT'S MAMMOTH SAGE (Average Size Leaf). Described on next page.

**TANSY.**—Used largely for its tonic, stomachic and other medicinal qualities. Each 10c, 3 for 25c, doz. 75c.



HOP VINE.



TARRAGON.

HORSE RADISH, ASPARAGUS, RHUBARB, PERENNIAL HERBS, ETC., SHOULD BE IN EVERY GARDEN.





GARLIC ROOTS.

**GARLIC.**

Species of onion propagated by offsets; used for flavoring soups, stews, etc. Sets 40c lb., postpaid; by exp. 25c per lb., 10lbs. \$2.00.

**HORSE RADISH.**

Grown in your own garden and grate fresh. Plant sets small end down in rows 2 ft. apart, about 18 in. apart in row. Do best in rich, loose soil set slanting and covered 2 in. Doz. 15c, 100 75c, postpaid; by exp., per 100 50c, 1,000 \$4.00.



ASPARAGUS.

**ASPARAGUS ROOTS.**

It pays to have a small bed of asparagus so as to gather it fresh, and when once set, a bed will last many years. Our roots are strong and healthy. We recommend the one-year-old roots as more desirable for general planting than the two-year-old, as well as cheaper. Ask for circular giving directions for planting.

**CONOVER'S COLOSSAL.**—25c per doz.; 100 85c, postpaid. By express or freight, at purchaser's expense, 100 60c, 1,000 for \$4.00.

**COLUMBIAN MAMMOTH WHITE.**—(See description on page 3.)—30c per doz.; 100 \$1.00, postpaid. By express, 100 75c, 1,000 \$5.00.

Two-year-old roots of either variety 50c per doz., 100 \$1.60, postpaid. By express or freight 100 \$1.00, 1,000 for \$6.00.

**RHUBARB ROOTS.**

Everyone realizes the value of rhubarb or pie plant in the home garden. The best way to get a start is to purchase a few roots as you can save one year's time in this way. The roots we offer are not seedlings but large divided plants. Plant in spring or fall, setting plants 3 ft. apart each way.

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

**IDEAL MAMMOTH.**—The largest and best variety. See description in seed department. Strong roots 25c each, doz. \$2.00, postpaid.

**ONION SETS.**

For early onions for bunching; ready for table in a very few weeks. Is cheaper to grow from seed but considerable work to weed, and many prefer to buy sets. Price by pt. and qt. includes postage; deduct 10c per qt. if by express. Price by pk. or bu. subject to market variation, and shipped at buyer's expense. Top sets sold at 30lb. per bu.; other kinds 32lbs., or stroke measure on all small lots. Write for prices for large lots.

**WHITE BOTTOM SETS.**—White onion sets from seed are best for early use and large onions. Pt. 20c, qt. 30c, postpaid; not prepaid, pk. 90c, bu. \$3.25.

**POTATO ONION SETS.**—A species of multiplier onion increasing from bulb; early; matures quickly; mild. Pt. 20c, qt. 35c; not prepaid, pk. \$1.10, bu. \$3.75.

**RED TOP SETS.**—Commonly known as Button Onion sets. Pt. 20c, qt. 30c; not prepaid, pk. \$1.00, bu. \$3.50.

**PERENNIAL or Winter Sets.**—Also called Egyptian or Tree Onions. Usually set in fall; produce earliest spring onions without winter protection. Do not make large bulbs. Pt. 20c, qt. 35c; not prepaid, pk. 75c, bu. \$2.50.

**WHITE MULTIPLIER ONION SETS.**—Pure silvery white; frequently producing as many as twenty bulbs in a single cluster; excellent quality; very early. Pt. 20c, qt. 40c; not prepaid, pk. \$1.35, bu. \$4.50.

**GARDEN ROOTS--Continued.**

**GENUINE PENNYROYAL.**—Warm, pungent, of somewhat aromatic taste; used for medicinal purposes. Each 15c, 3 for 40c, doz. \$1.25.

**ROSEMARY.**—Used for perfume, also for flavoring meats, stews, etc., and for garnishing. Each 10c, 3 for 25c, dozen 75c.

**HOLT'S MAMMOTH SAGE.**—Great improvement on common sage. Plants very strong growing, first season attaining one foot in height, and so spreading that a single plant covers space 3 feet in diameter; leaves borne well above soil; 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; hardy. Each 10c, 3 for 25c, doz. 75c.

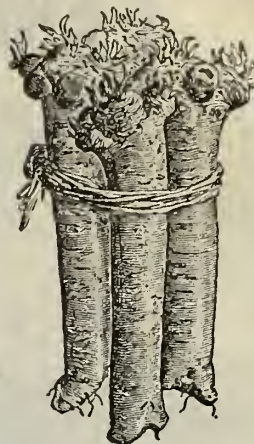
**VARIEGATED MAMMOTH SAGE.**—Beautifully variegated dark green and pure white color, which makes it a very ornamental plant; equal to Holt's in productiveness and flavor; new and scarce. Each 15c, 3 for 35c.

**SPEARMINT.**—This is commonly called Mint and thousands of dollars worth of it is sold annually in New York, Boston and other cities for flavoring salads, garnishing meats, mint julep, etc. Each 10c, 3 for 25c, doz. 75c.

**SASSAFRAS.**—A well known medicinal plant. Each 25c, 3 for 60c.

**GOLDEN VARIEGATED THYME.**—Handsome and attractive variety used for sauces and flavoring. Ea. 10c, 3 for 25c.

**SILVER THYME.**—Variegated white and green. Each 10c, 3 for 25c.



HORSE RADISH.

**VEGETABLE PLANTS.**

Well grown and lightly packed to carry a 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. No charge either for 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. Mail, 25 for 25c, 100 75c; express, 100 50c, 1,000 \$4.

**CABBAGE PLANTS—Late Varieties.**—Ready May 15th. Surehead, Premium Flat Dutch and Shortstem Drumhead. Mail, 25 for 25c, 100 65c; express, 100 40c, 1,000 \$2.50.

**CAULIFLOWER PLANTS.**—Ready April 15th. Henderson's Snowball. Mail, doz. 25c, 100 \$1.25; express, 100 \$1.00, 1,000 \$7.

**CELERY PLANTS.**—Ready May 1st. White Plume and Golden Self-Blanching. Mail, doz. 20c, 100 75c; express, 100 60c, 1,000 \$4. Outdoor grown, after June 15th, 100 40c, 1,000 \$3.

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

**LETTUCE PLANTS.**—Black Seeded Simpson and Improved Hanson. Doz. 20c, 100 for 75c, postpaid. Exp., per 100 50c.

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

**TOMATO PLANTS.**—Ready May 1st. Strong transplanted plants: Sparks' Earliana, Dwarf Champion, Beauty, Matchless. Mail, doz. 25c, 100 \$1.40; exp., 100 \$1.20, 1,000 \$7.50. Not transplanted—Mail, 100 75c; express, 100 50c, 1,000 \$3.50.

**TOMATO PLANTS.**—Majestic, Red Majestic, Yellow Majestic, June Pink and Golden Nugget. Mail, doz. 40c; express, 100 for \$2.00.

**GROUND CHERRY.**—Ready May 15th. Improved Yellow. Mail, doz. 25c, 100 \$1.25; express, 100 for \$1.00.

**SWEET POTATO PLANTS.**—Ready May 1st. Plants strong and vigorous, well rooted, hardy. Can furnish either the Yellow Nansmond or Early Yellow Jersey. Write if you want a large lot. Prices vary. Mail, 100 50c; exp., 100 35c, 1,000 \$2.50.

**VINELESS SWEET POTATO PLANTS.**—Per 100 90c, postpaid. By express, 100 75c, 1,000 \$6.00.

**BOTTOM ONION SETS**



**POTATO ONION SETS**



**RED BOTTOM SETS.**—Like white, except that they are of dark red color. Very hardy. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.

**YELLOW BOTTOM SETS.**—Like the white, except color. More used than any other kind. Pt. 15c, qt. 30c; not prepaid, pk. 90c, bu. \$3.00.



# FARM SEED DEPARTMENT.

**A**S THE FARM CROP is more important to the general welfare of the country than any other, so the Farm Seed Department should have pre-eminence in seed catalogues. 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 the business. With our new and convenient buildings and improved machinery for cleaning, which is as perfect as any in the United States, we are enabled to clean seeds perfectly far better than those commonly sold.

**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, grading, testing, preparing for shipment, bags, etc., etc., so that we are obliged to ask a considerable advance over market prices, but any intelligent farmer who appreciates the value of good seeds will agree with us that such pedigreed seed is well worth to him the price we ask. **IT PAYS TO GROW THE BEST.**



**PRICES** named in this department are subject to important market changes. All 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 quotations, 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.

**SHIPPING.**—In this department everything that is quoted by the packet or pound is sent by mail, postpaid; all larger 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.

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

**OUR EXPERIMENTAL GROUNDS.**—We are continually experimenting with farm seeds on our trial grounds by having plats of each variety of grain sown or planted, which enables us to determine their relative values. This enables us to better answer the inquiries of our customers regarding crops suitable to their requirements.



WAREHOUSE, 208-210-212 SOUTH EIGHTH ST., WHERE ORDERS FOR FARM SEEDS ARE FILLED.

It costs less than 30 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.** We claim to be headquarters for seed corn in the United States, and are pleased to say that we are in a better position than ever before to furnish the choicest seed from the best thoroughbred varieties of corn. We had no early frosts in this section of the country and the crops were all thoroughly matured and in excellent condition for seed purposes before frost could damage them. We are confident that we can furnish the best quality and the best varieties obtainable. Send list of your wants and let us quote prices.

**YOU RUN NO RISK** in buying seed corn from us, because if it is not satisfactory on arrival it may be returned and we will refund your money.

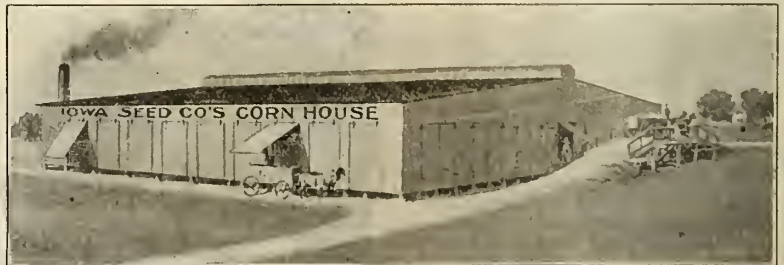
### ABOUT FORTY YEARS AGO

when we began in the seed business, farmers would not buy seed corn. Every man saved his own seed, and it was considered folly to buy seed corn. In 1881 we introduced a new variety and those venturesome enough to try it were greatly pleased. But still the sale was very limited. In 1892 we originated and introduced the Iowa Gold Mine, which sprang at once into prominence, as it was, and is yet, the deepest grained and smallest cobbled variety ever brought out.

Since that time we have introduced Iowa Silver Mine, Early Longfellow Dent, Improved Early Mastodon, Lenoehner's Homestead, Star Leaming, New Century Wonder, Profit, Farmer's Reliance, Golden West and Prosperity, which have all become very popular and are everywhere the best of their class.

### Our New Seed Corn House

which we have just erected on our farm at Altoona, eleven miles east of Des Moines, is, we are sure, the best arranged and most complete building in America for this purpose. The outside walls are made up almost entirely of doors which can be lifted for ventilation and are in fact kept open all the time except during very cold or stormy weather. The interior arrangements consist mainly of very narrow high cribs with ventilators running through the entire length of them and narrow passage between the cribs. There is a very extensive system of steam pipes underneath, which are used as needed for drying the corn and also to keep out moisture during foggy weather and to protect it from freezing.



SEED CORN HOUSE AT ALTOONA.

**WE ARE BREEDERS** of seed corn, growing it here in central Iowa, the best section for corn in the great corn belt of the United States. We have several seed corn specialists, who select the stock seed for our crops. Each ear is critically examined in all points with greatest care and only such as are strong and vigorous in vitality and true to the ideal of each variety are used. These ears must be uniform

We have special machinery for tipping and butting and our seed corn is very carefully graded so it can be planted with the edge dropping corn planter. It is then tested by taking several lots of 100 kernels, each from different bags or bins, just as corn runs in bulk, the only way to get a true average test. Great care is used through the whole process. Corn thus prepared is more expensive, but worth much more.

**OUR "IOWA SHIELD" GUARANTEES QUALITY. THE BRAND GOES ON AFTER THE SEED IS IN THE SACK.**





GOLDEN WEST

LENOCHERS  
HOMESTEAD

STAR LEAMING

IOWA  
GOLDMINE

LONGFELLOW  
DENT

FARMERS  
RELIANCE

PROFIT

IOWA  
SILVER MINE

PROSPERITY

KINDS THAT HAVE MADE  
IOWA  
"THE GREAT CORN STATE"

THESE VARIETIES  
ARE EVERYWHERE THE  
BEST IN THEIR CLASS AND  
HAVE DONE MUCH TO INCREASE THE YIELD  
AND QUALITY OF IOWA'S GREATEST CROP.

ALL  
ORIGINATED OR INTRODUCED BY

**THE IOWA SEED CO.**

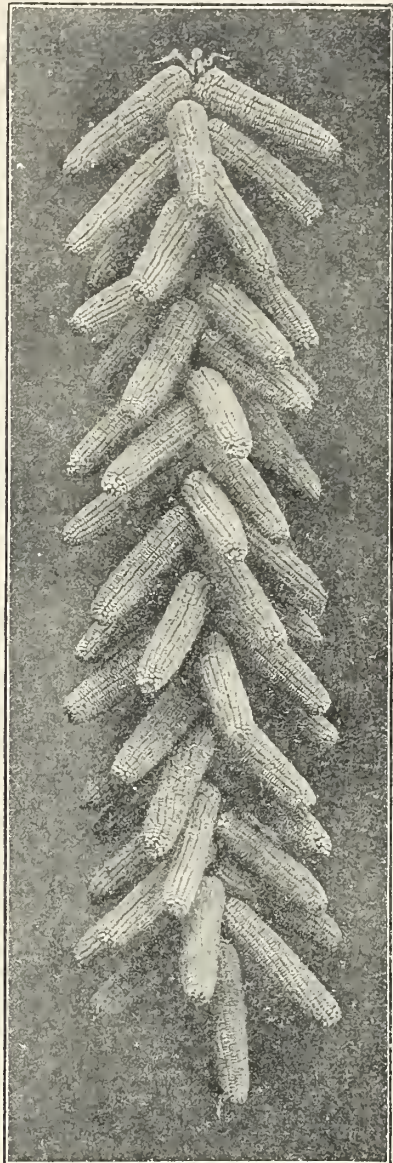
OF DES MOINES

WE CLAIM THAT WE  
HAVE DONE MORE TO IM-  
PROVE THE CORN CROP  
OF THE MIDDLE WEST THAN ANY OTHER IN-  
STITUTION.

*We are always Headquarters for "The Best" Seed Corn.*



# THE GOSPEL OF GOOD SEED CORN



It is not many years ago that farmers hesitated greatly about changing their seed corn, and even then they would only exchange with a nearby neighbor and would no more think of buying seed corn than they would think of going to the city and buying bread for their family use. While our seed business was started in 1865, still the sale of seeds was for many years confined almost exclusively to Vegetable, Flower and Grass Seeds. We could not persuade farmers to buy Seed Wheat, Oats, Seed Corn, or any other variety of farm seeds and it was few indeed who were willing to send off even 100 miles to secure their supplies of garden seeds. It is only during the past dozen years that farmers have really awakened to the need of securing the very best quality of seeds obtainable and a wonderful increase in yield and value of farm crops has been the result.

The nine varieties illustrated on the opposite side of this sheet were all either originated or introduced by the Iowa Seed Co., and we have every reason to be proud of them.

All of these have become quite prominent and are listed by most of the leading seedsmen in this country and also by seed dealers in Australia, New Zealand and the parts of Europe where Corn can be grown, and they are considered the best in their class. The following table shows year of introduction and gives short description:

**1881 PROFIT CORN.**—This is a variety which originated on our seed farms in Madison county, having been grown there for quite a number of years previously. It was claimed at that time that it would produce more bushels of shelled corn per acre than any other corn in existence and it held its reputation until the introduction of our Iowa Silver Mine.

**1892 IOWA GOLD MINE CORN.**—This is beyond question the deepest grained, smallest cobbled, Yellow Field Corn in the World. It is early; ear of medium size, pure golden yellow, and yields a large crop. Has proven especially popular with customers throughout Northern Iowa, and it is claimed to be of the highest feeding value of any corn. For high shelling percentage it has never been excelled.

**1893 EARLY LONGFELLOW DENT** is in a class by itself. It was carefully bred up and kept in the hands of a farmer in Johnson Co., Ia., for many years but we had been watching the Corn, and purchased the stock. It has the longest ear of any variety of Corn that we know of. In a good season the ears will average about 12 inches in length and we have had quite a number which measured 15 to 16 inches long. The grain is rather shallow but it is a very early variety and it is safe to plant it almost anywhere that Pride of the North can be grown.

**1894 STAR LEAMING.**—About 10 years previous to this date, the Leaming Corn had been introduced, but the stock was not pure and it had been allowed to deteriorate. One of our growers in Keokuk county, Iowa, had, however, not only kept the stock pure but had improved it from the originator's strain, not only in color and type, but in uniformity of size and shape of ears. It is of a lighter, more uniform color and free from the square, chubbly grains at tip of ears.

**1895 IOWA SILVER MINE CORN.**—For eight years one of our best seed corn growers in central Illinois had been selecting an unnamed white corn in his garden and small field plots and had secured a variety so far superior to the older sorts as to entitle it to front rank. It is by all odds the purest, most productive and most profitable variety of Corn grown. It is still generally recognized to be the best variety of White Seed Corn ever introduced and the largest yielder of any regardless of color.

**1896 LENOCHER'S HOMESTEAD.**—

This variety originated with Mr. G.

F. Lenoche, of Dallas county, who had been breeding it up for many years previous. It gained a great reputation for productiveness by winning the Iowa Homestead first prize with a yield of 345 bushels of corn on three acres, in their contest of 1891. The color, however, showed some variation and Mr. Lenoche selected still further until it now appears to be the handsomest and deepest grained red corn in existence.

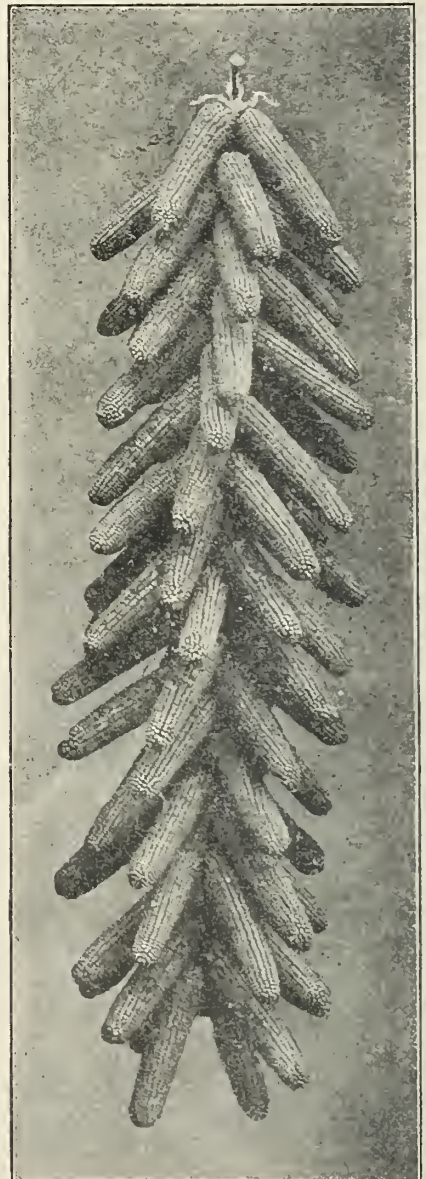
**1900 FARMERS' RELIANCE.**—There has always been a demand for a large eared early variety of Corn and the Farmers' Reliance which originated on the farm of one of our best seed growers in Eastern Iowa, fills the bill exactly. While not as large as some of the later sorts, still it is about double the size of Pride of the North and matures in about the same time. The farmer who has to contend with a short season can safely rely on the Farmers' Reliance. It is the largest early corn or the earliest large corn that we know of.

**1905 GOLDEN WEST.**—This might almost be called a mammoth eared Iowa Gold Mine as it resembles that variety in color, shape and depth of grain and has a much larger ear. It does especially well on rich soil with good culture.

**1908 PROSPERITY CORN.**—Some prominent corn growers say that in this variety we have reached the climax, it being as near perfection as has ever been attained or as is apt to be attained for years to come. It was introduced last Spring, but has everywhere given excellent results. While this has been a trying season on Corn, it has come out with flying colors.

## IN CONCLUSION.

You will notice that the above nine varieties include the most desirable early and main crop varieties and these sorts will be found more fully illustrated and described on the following pages. They are all thoroughly tested and proven to be the most profitable in their respective classes for growing in Iowa and other states of the central corn belt. Besides the above varieties which we have introduced we grow several other popular kinds and use the same care in their selection that we use in selecting our own varieties, and we make them conform to the established type of each variety, so that you can depend on any stock purchased from us. **How's Your Seed Corn?** If you are uncertain about your own seed corn or if you want to change and plant some of the improved sorts you can depend on obtaining the purest and best varieties, carefully selected, graded and thoroughly tested from IOWA SEED CO., Des Moines, Iowa.







## PROSPERITY CORN.

Our old customers know that for more than twenty years we have been preaching the gospel of **Improved Seed Corn**, and this new variety is unquestionably the finest variety of corn in existence. It is the most thoroughbred, highly perfected type and the greatest acquisition since we introduced the Iowa Silver Mine twelve years ago.

For some years we have realized the need of a yellow corn which would produce a satisfactory crop with less favorable conditions than those required by the Golden West or Reid's Dent and with confidence we offer this new sort as fully "filling the bill." In our numerous tests on both good and poor soil we have found that while it responds to good soil and cultivation with an immense yield, it will also produce more corn with ordinary treatment than any other large-eared yellow variety under similar conditions. The plant is ideal, the stalk being about eight feet high with abundant broad leaves, and it is so well rooted that it withstands windstorms extra well, being only equaled in this respect by the Profit. It is comparatively free from barren stalks. Ears are borne uniformly at about four feet from the ground, high enough to get the sun and air, low enough to be protected from windstorms and just right for husking. The shank is long, allowing the ear to droop when maturing, thus shedding the rain instead of holding it in the husk, and being small it is very easy to break in husking, yet we seldom find an ear whipped off by the wind. The ears are large, 10 to 12 inches long, nearly cylindrical, holding their size well to the end, are well rounded or capped over at both ends and have that well groomed appearance of thoroughbred corn. The fine shaped grains, which are set in straight rows, are quite deep and broad at the germ end, thus making a solid or heavy ear, and they are of such rich yellow color and uniform size that it is surely the handsomest corn we have ever seen. Cobs are dark red and so small that 70 lbs. of ear corn shells out 61 lbs. It is not as smooth or close on cob as some other sorts and therefore dries out better, does not mildew and the live stock can eat it from cob more easily. It usually ripens in 100 days but has the faculty of maturing quickly in an unfavorable season and has matured fully when planted as late as June 9th. In every one of our fields it has outyielded all other yellow varieties and to sum it all up we consider it the most nearly perfect yellow dent corn in existence. **PRICES:** Pkt. 5c. lb. 25c. 3lbs. 60c, charges prepaid. By freight, purchaser's expense, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.40, 10 bu. for \$23.50.

## JUDGING SEED CORN.

The above is a photograph of ten ears of Prosperity Corn in one of the judging trays used by Professor Holden in his corn classes at the Iowa Agricultural School. These trays are made to show up each individual ear, and also two kernels from each ear are shown in the groove above. In the field, on the wagon, on the scales or on the judging tray Prosperity Corn always shows to advantage. These ten ears were picked from the field before husking time so that photograph might be prepared in time for this catalogue and are not good samples of the corn. In selecting for corn shows competitors often sort over several hundred bushels for a ten ear sample; these were selected in a few minutes from the field where every husk had to be opened.

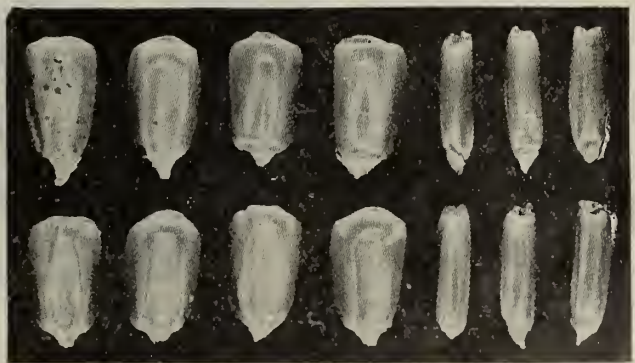
The ear is as large as is consistent with perfect maturity, well filled at both ends, with small cob, bright, vigorous appearance. It is a thoroughbred corn, producing a uniform type of ears, about ten inches in length, a little more slender than Silver Mine, well filled at both ends. The kernels are uniform in depth and shape with plump tip filling the ear well at the cob, large, bright germ showing strong vitality and high feeding value. The grains are a bright golden yellow in straight, even rows on dark red cob.

**SHELLING PERCENTAGE.**—Prosperity has deep grains, small, light cob, well rounded ends, kernel set snugly from cob to cap, leaving only room enough to properly dry out; but what is more, it shells a high percentage in actual test, 70 pounds of ears making 61 pounds of shelled corn. Judge it as you will, we are confident it will stand the test and hold its own in a comparison with any other variety.

**THE REAL TEST** of any seed corn is not the symmetry of the ear alone, nor size of ear, nor color of grain, nor any of the points upon which corn is judged from a show standpoint, but rather the yield of shelled corn of good quality per acre. While Prosperity will compete with any variety in show points, we base our claims for its superiority on the field test, and a trial will convince any farmer that this variety will produce more good, sound grain per acre than any kind now grown, with the only possible exception of Iowa Silver Mine.

## GRADED SEED CORN.

We carefully grade all seed corn which we send out, removing tip and butt kernels so that it is readily planted with edge-dropping corn planters. But the grading is only a part of the labor which we give to the production of good seed corn. All varieties are carefully grown under the direct supervision of the president of our company. It is gathered early, and stored in our seed corn house, where every ear is carefully inspected by experts and only those absolutely true to type and of strong vitality are shelled for seed purposes. You cannot buy better seed corn in America, no matter what the price.



SEED CORN GRADED FOR EDGE DROPPING.

REMEMBER YOU CAN RETURN CORN IF NOT SATISFACTORY AND GET YOUR MONEY BACK.



Prize Winner Everywhere. **IOWA SILVER MINE.** 215 Bushels per Acre.

**THE MOST POPULAR CORN IN THE WORLD TODAY.**

We paid \$1,000 for the original stock of this corn and never made a better investment. If in all the years of our business life we had accomplished nothing else than the introduction of Iowa Silver Mine Corn we should yet have done more to improve the crops of the world than any other single agency. There is no crop so valuable as corn and there is no corn so valuable as our Iowa Silver Mine.

We have been trying for a number of years to find a yellow corn that would equal Silver Mine. So far we have found none that would adapt itself to adverse conditions as does the Silver Mine. Prosperity is the equal of any yellow corn grown, but Silver Mine still holds the lead for production of corn under any and all conditions.

Silver Mine is white. An analysis shows a variation in quality so slight that it could not possibly affect the feeding value. The price is usually better for white than for yellow corn as there are so many factories for corn products that require the white corn. Some growers object to white corn because it is so hard to keep it from getting mixed with yellow corn in the neighboring fields, but this very tendency to show all mixture will help you in selecting seed from that part of the field which is not tainted.

If you are looking for corn that will make you money every year, **SILVER MINE WILL MEET ALL REQUIREMENTS.**

There is no better feeding corn than Silver Mine. The grain is rich in oil and protein, the kernel is deep, cob is small, ears are always sound and dry, color makes no difference to the stock. Try them and see. If you raise corn for the market, it will pay you to try Silver Mine. Your grain buyer will handle it and the price is usually better than for yellow, and you can raise more Silver Mine per acre than any other corn.

**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 which will be noticed in going over the fields is that there are no barren stalks; every one has an ear, many stalks have two or three good ears, and the originator says that has been characteristic every year that he has grown it. 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 small, white cob, and ears are well filled out over the tips. It is early, maturing in ninety-five days. The cob dries rapidly, so that it is ready for market earlier than any other white field corn in existence. 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 sorts are grown at a loss. It is in every way a distinct type of corn, hardy, and a wonderful resister of drouth.

**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 the Illinois State Fair it took first premium for the best bushel of corn, any color or sort; first for best white corn in the 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 crops grown on one acre, and the Iowa Silver Mine captured all three of them with crops of

**196, 176 AND 154 BUSHELS PER ACRE.**

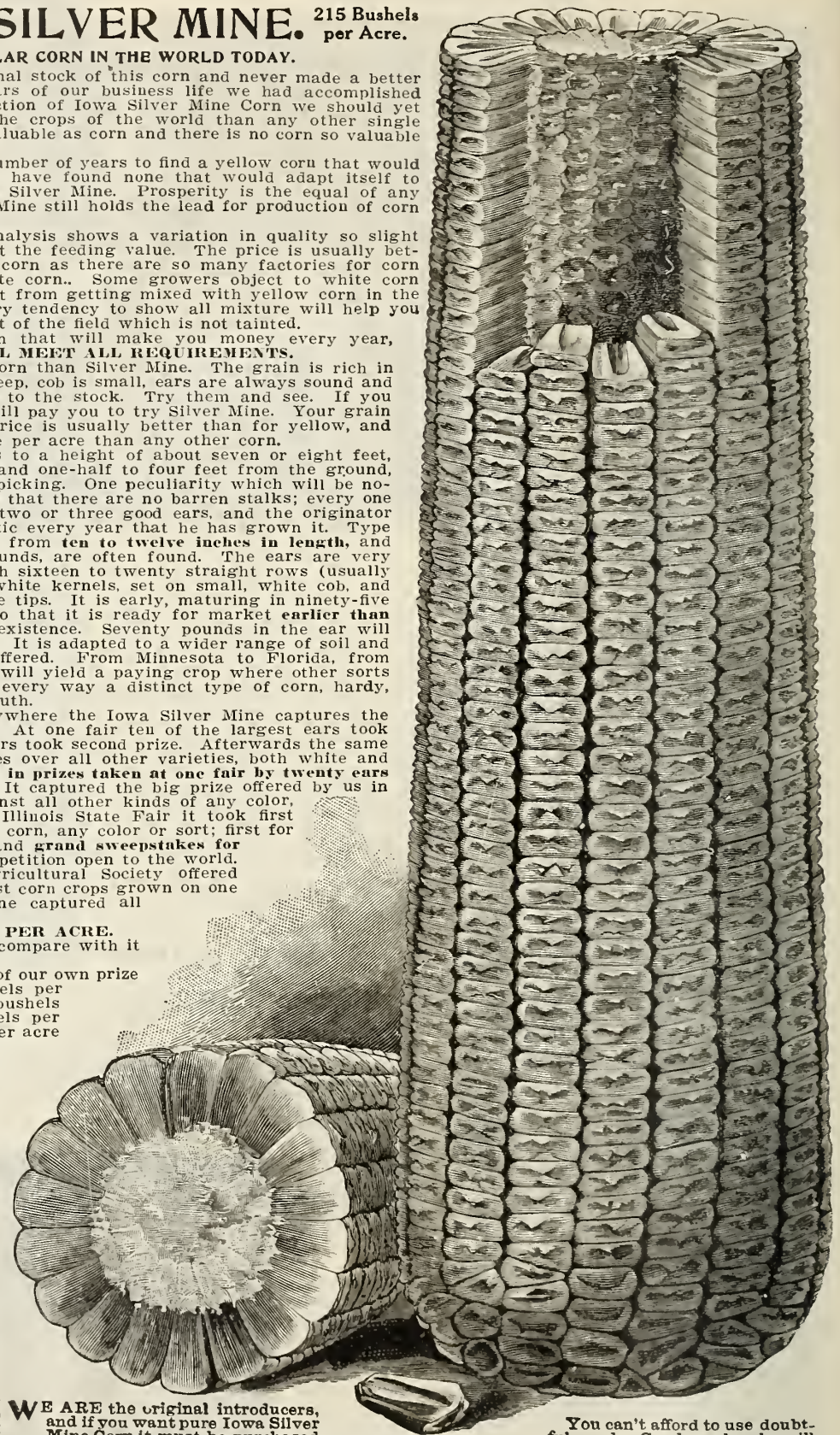
No other corn of any color can compare with it for productiveness.

**Read the Astonishing Record** of our own prize contest. It produces 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.

**NOW FOR 1909.**—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. 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.

**PRICES** For high grade extra select seed corn postpaid or by express, prepaid: Pkt. 5c, lb. 25c, 3lbs. 60c, 7lbs. (will plant an acre) \$1.00. By frt. or exp., pk. 75c, bu. \$2.50, 2 bu. or more, at \$2.40, 10 bu. or more at \$2.35. Ask for special price in quantity.

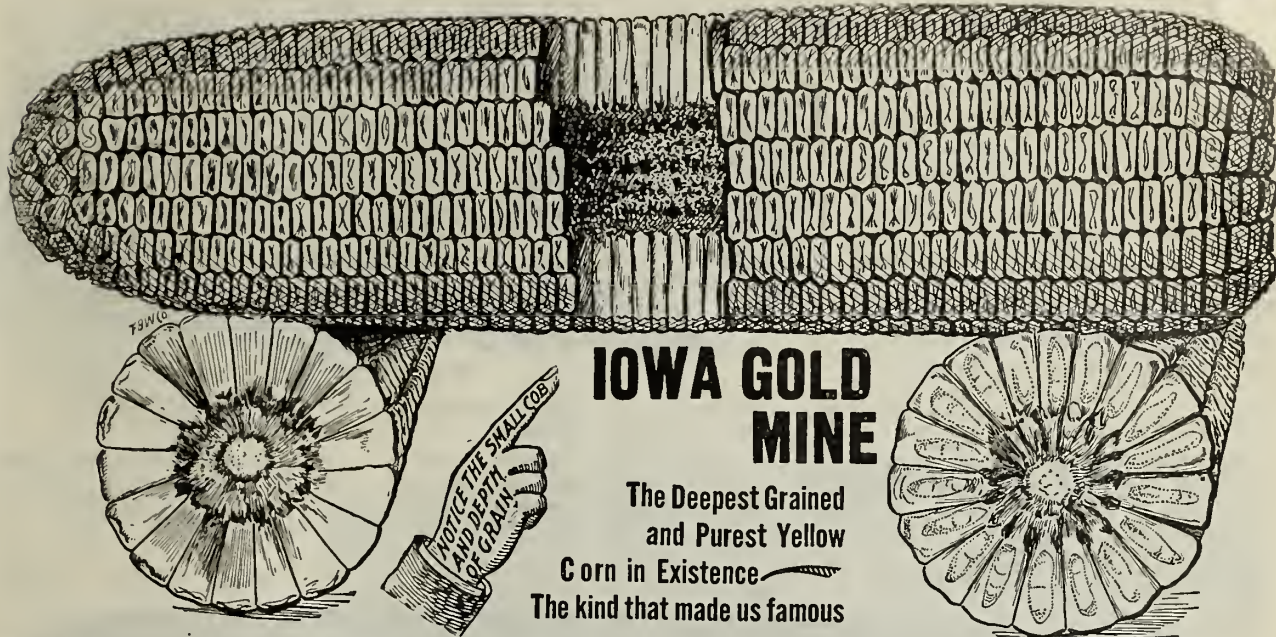
*I don't think a better quality of corn can be found than Iowa Silver Mine.*  
—S. S. Troxel, Benton County, Iowa.



**WE ARE the original introducers, and if you want pure Iowa Silver Mine Corn it must be purchased from us.** We have proof that other dealers are copying our descriptions and selling common white corn as Iowa Silver Mine. The cost of pure seed is about 30 cents per acre. One bushel per acre added to your crop will pay for it.

You can't afford to use doubtful seed. Good seed only will produce good crops, and you need have none but satisfactory results if you plant Iowa Silver Mine. It is very prolific.





More widely disseminated and better known than any other variety of corn. Sold and planted all over the world where corn is grown. Listed by dealers in every state in the Union and in Central Europe, South Africa, Australia; everywhere that corn is planted.

Everyone who has tried it is enthusiastic in the praise of this splendid variety which we introduced in 1892. Iowa is not called a gold mining state but in this grand variety the farmers of this country will find a **veritable mine of wealth**. It has received the most cordial endorsement as the best and most profitable variety ever grown. It is early, ripening a few days later than Pride of the North. Ears are not extra large, but of good size and symmetrical; color a bright golden yellow, as handsome as a twenty dollar gold coin just from the mint; **grain is very deep, cob small** and therefore dries out very quickly. **Seventy pounds of ear corn makes 62 to 63 pounds of shelled corn**, and in hauling to market it weighs out five bushels more to the wagon-load than common varieties in the same size wagon. We have shelled selected ears of this variety which produced **64 pounds of shelled corn and only 5 pounds of cobs to the bushel**. This is an **unparalleled record**. It cannot be equaled by any other corn in the world.

We do not recommend this as a corn to haul to market on the ear at ordinary prices. If you sell it, either demand an advance over market price or sell on the basis of shelled bushels. A little incident which occurred on the streets of Des Moines will illustrate our point. One of our growers was hauling in Iowa Gold Mine to our warehouse. A grain dealer noticing the corn offered our grower 5 cents per bushel over market price for his load, explaining that he could make more on it at that than he could on ordinary yellow corn.

We can most confidently recommend it as the acme of perfection, and stake our reputation on its pleasing everyone who tries it. One carload lot of 400 bushels of Iowa Gold Mine corn was carefully weighed, and after shelling it was re-weighed and there was just 456 bushels. Just think of it—a **gain of 14 bushels to the 100**.

You can readily see that it is the man who feeds the corn on the farm that will get the most value from Iowa Gold Mine—there is so little waste and the quality is the best. It is a soft grain but rich and full of oil. There is absolutely as much feeding value in fifty bushels of Iowa Gold Mine as in sixty bushels of any other variety.

But these are only part of its qualities. It is early; so early that it is grown with great success in South Dakota, Minnesota, Wisconsin and other parts of the northern corn belt. You will never have soft corn if you raise Iowa Gold Mine, and you will not have to stand dockage at the elevator because of moldy or frozen ears. It would pay the farmers of Iowa to get away from the large cob, large-eared varieties which have had such a run in recent years, and plant Iowa Gold Mine in their stead, as we are confident better prices can be realized on market for this than for any variety now grown.

As stated above, the Iowa Gold Mine is the most generally grown of any variety and it is listed by nearly every seedsmen, some of whom purchase their stock of us. But many of them buy it of farmers or other dealers who purchase it in open market. Naturally such seed will not be pure, nor will it equal in any way our specially grown, carefully selected, thoroughly tested seed. Remember if you want

pure Iowa Gold Mine Corn you must purchase direct from us. If you purchase from your local dealer insist on seeing that our label is on every bag, plainly marked **Iowa Seed Company**. It will pay you to change your seed, and don't fail to see a sample of Iowa Gold Mine before buying.

**PRICES:** Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid; by freight, pk. 75c, bu. \$2.25, 2 bu. or more at \$2.15, 10 bu. \$20.

### JUST A FEW REPORTS FROM SATISFIED CUSTOMERS.

I am glad I planted all my field with your seed corn this year. The **Iowa Gold Mine** surprises everyone here by its deep grain and small cob, and it shells out about six pounds to the bushel more than any other sorts.—John W. Ernst, Floyd County, Iowa.

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

I bought some **Iowa Gold Mine Corn** of you and it is the best corn I ever used in my life.—Ernest Bolko, Monroe County, New York.

I grew 480 bushels of your **Iowa Gold Mine Corn** on four acres last year. An average of 120 bushels to the acre.—W. W. Preston, Warren County, Iowa.

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

In my test the new **Prosperity Corn** matured well, making very uniform, good shaped, sound ears of rich yellow color and deep kernels.—Geo. M. Fox, Dallas County, Iowa.

Am very well pleased with your **Iowa Silver Mine** and **Golden West Corn**. I planted the **Silver Mine** on a piece of land, a little less than one acre. The other day I husked 12 shocks and got 42 bushels of good corn. At this rate I will harvest about 231 bushels of corn per acre.—Geo. Hearry, Morgan County, Missouri.

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

The seeds purchased from you produced the finest yields ever seen in our country. The **Iowa Silver Mine Corn** yielded 188 bushels to the acre.—W. A. Johnson, Miss. County, Arkansas.

Your **Lenocher's Homestead Corn** is the best hog corn I ever fed. It is the earliest variety grown in this part of the country.—John Aberle, Doniphan County, Kansas.

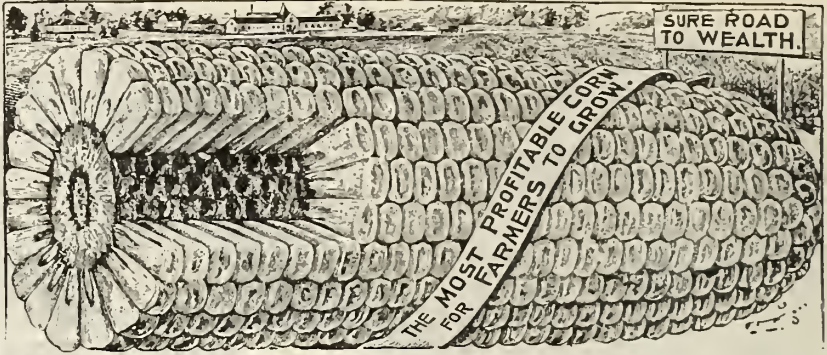
I was well satisfied with the **Farmers' Reliance Corn** which I purchased of you, it yielding 47½ bushels of well matured corn per acre at an altitude of 4,700 feet.—C. F. Fitch, Greeley, Colorado.

I planted the **Longfellow Dent Corn** May 5th on good bottom land. I had a good stand and it was out of danger from frost September 1st. I just now measured an ear 13½ in. long with sixteen rows. Many are 12 inches, few less than 11 inches long. A good business corn. As president of the first Corn Club organized in Iowa and a life-long grower I venture the opinion that this long-eared corn is for the farmer a better and more satisfactory type than any of the show corns.—W. F. Dawson, Cherokee County, Iowa.



## THE PROFIT.

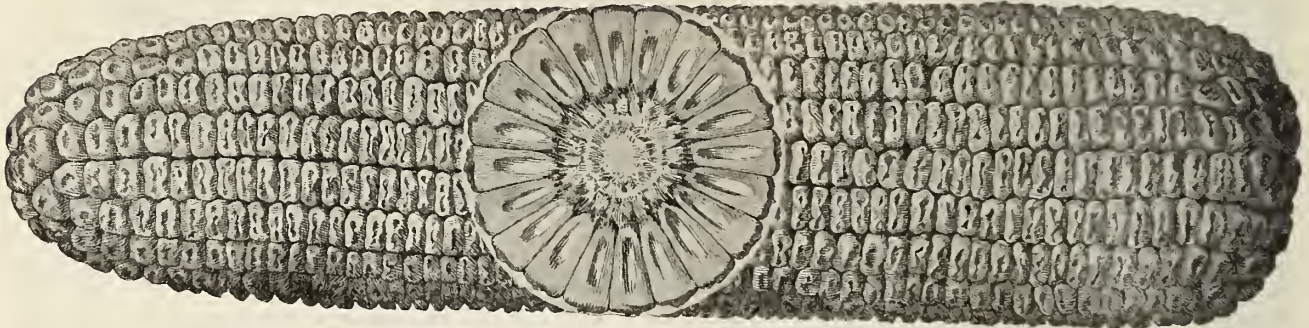
A very profitable corn for any farmer who has live stock to feed. We introduced this grand new variety and it has given excellent satisfaction everywhere. It originated from a carefully prepared cross of two well known sorts on the farm of a seed grower in Madison Co., Iowa, which is the county that produced our world-famous Iowa Gold Mine. For nearly twenty years this corn has been bred up until now it is claimed to be the heaviest and most solid ear of any variety in existence, and of large size. **It ain't a handsome corn, but it's got money in it!** The color of the surface of the ear is not as uniform as our other varieties, some of the grains having a lighter yellow cap; this does not, however, injure its appearance when shelled. The purpose of the originator was to fix a type of field corn for profit, superior to any in cultivation, and profit in corn growing, as we understand it, means the largest crop of shelled corn (not cobs) maturing in a reasonably short time, and of the best quality. Ears of large size, grain is very deep, cob small and dries out rapidly, thus making it a sure cropper. The corn is so solid on the 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. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.25, 2 bu. or more at \$2.10, 10 bu. or more at \$2.00.



PROFIT CORN.

*I was much pleased with your Profit Corn this season, as it gave an exceedingly large yield.—J. H. Luddington, Ashtabula County, Ohio.*

*The Profit Corn I received of you last spring has the right name. It is the best corn for stock. It grows large and is solid, and also contains a greater proportion of fat than any of our corn in this country. Your Iowa Gold Mine Corn is beautiful in color, shape and size. B. J. Clarida, Williamson County, Illinois.*



SPECIMEN EAR OF THE NEW GOLDEN WEST.

## GOLDEN WEST.

In 1903 we introduced this variety as being among yellow corns what Silver Mine is among white corns. It has failed in but one particular: It will not adapt itself to poor soil and poor treatment as Silver Mine does. It produced with one of our growers the heaviest, and with another the lightest yield which came to our corn house last season. If given proper soil and care it will yield with any variety but it must have an abundance of plant-food. If

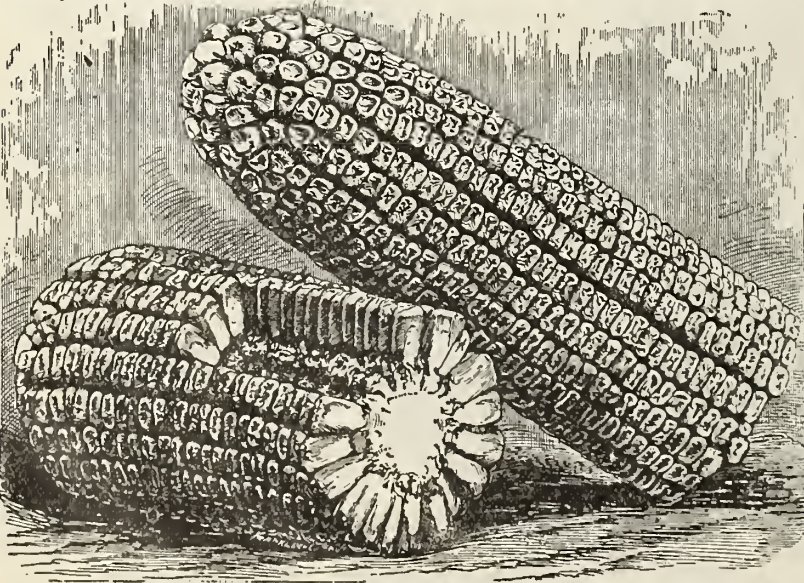
you have good soil and will give it good care, plant Golden West and you will have the best crop of corn you ever raised.

Golden West is one of the most vigorous growing varieties that we know of. Stalk of medium height and very thick at the ground, short jointed with broad leaves which help mature the large crop of corn it produces. It is deep rooted and therefore not easily injured by hard windstorms. Ears have usually eighteen to twenty rows. There are many which measure 11 inches in length and weigh 1½ lbs., containing from 1,200 to 1,500 grains to the ear. Kernels are of such

shape that they wedge in tightly and make a solid ear, not only at cap, but down near point of germ end. Cob comparatively small and of such nature that it dries out rapidly, thus insuring a well matured crop, even during unfavorable seasons. Matures in about 110 days, thus making it a safe corn to plant, and we claim that it will yield a larger crop than any other yellow corn in existence. Pkt. 5c, lb. 25c; 3lbs. 60c; by frt. per pk. 65c, bu. \$2.00; 2 bu. or more at \$1.90, 10 bu. or more at \$1.75.

## LEGAL TENDER.

One of the most prominent late varieties of yellow dent corn. The result of about ten years' selection by a seed corn specialist in Iowa, and has taken first premiums at many state and county fairs. Productive and of uniform pure yellow color, ear very large and long and a deep grain on a small cob, while stalk does not grow too large. The introducer says: "Our ideal ear is two-thirds as large around as it is long, containing 16 to 20 rows, and small shank. Kernels are deep, cob is small at butt and the ear holds its bigness toward the point, until near tapering off. Is capped over and the kernels hold their bigness toward point, and the butt runs out straight and not crinkled." Matures in about 115 days; not recommended for northern portion of this state. Our stock extra select, improved in hardiness. Pkt. 5c, lb. 25c, 3lbs. 60c; by frt., pk. 55c, bu. \$2.25, 2 bu. or more at \$2.10, 10 bu. or more at \$2.



LEGAL TENDER CORN.

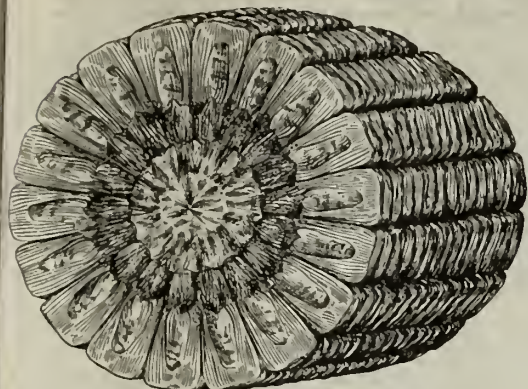
IF YOU WANT A LARGE QUANTITY OF SEED CORN, WRITE FOR SAMPLES AND PRICES.



## LENOCHER'S HOMESTEAD.

The corn that surprises the grower. Our growers' contest to secure the contracts for Lenoche's Homestead, as its great yield, large ears, and the ease and rapidity with which it can be harvested render it a favorite wherever it is known. Its only objection is the color, but if you want corn to feed that will not matter. For those who desire a first-class variety of red corn this is the one we recommend above all others. It is one of the best varieties for feeding purposes, not being hard enough to prevent stock from eating it easily and masticating it thoroughly. It is well known in Iowa for having won the Iowa Homestead prize of \$100, yielding 345 bushels on three acres with ordinary culture. It was also awarded a diploma at the World's Fair. It originated with Mr. G. F. Lenoche, one of the most practical corn growers and stock feeders in the state, and was named and introduced by the Iowa Seed Company. Its color is a rich, dark red with occasional light caps; grain deep and hackled; ear somewhat above the average with small cob which dries out rapidly so that it is not apt to be caught by frost. It is a safe corn to plant and often produces a good crop in unfavorable seasons when other corns will hardly make nubbins. It is given as great care with us as our other sorts and our stock has been carefully selected for seed purposes. Packet 5c, lb. 25c, 3lbs. 60c; by frt. pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. for \$17.50.

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



LENOCHER'S HOMESTEAD.

### THOROUGHbred PEDIGREED

Carefully Selected Stock of

### REID'S YELLOW DENT

The Great Show Corn.

OUR QUALITY THE BEST



REID'S YELLOW DENT.

## REID'S YELLOW DENT.

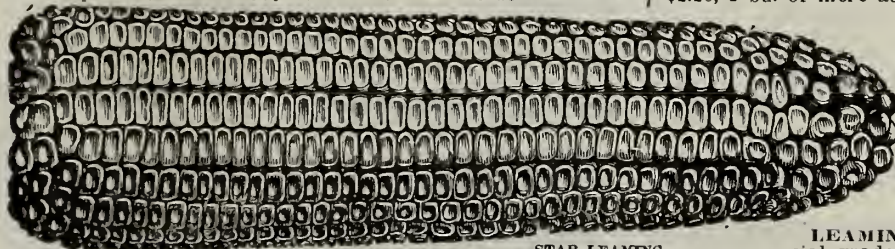
THE STANDARD CORN IN THE MIDDLE WEST.

This variety is the best known among progressive farmers who grow for the great corn shows and who try to breed to the show standard. The type of Reid's Dent is the standard for corn judges and through its popularity at the shows it has become widely known and generally distributed. It is a thoroughbred corn having many years of selection for its foundation, and the type is thoroughly fixed so that reversion seldom occurs, and the crop is always uniform in size, shape and color. Is the most highly recommended by Professor Holden, the noted corn expert of the Iowa Agricultural College, and is too well known to require lengthy description, our illustration well showing the general characteristics.

It requires about 115 days to mature and we do not there-

fore recommend it for planting north of Central Iowa. In good years it will often produce splendid crops as far north as the Minnesota line, but it cannot be depended on to ripen in short seasons in that latitude. A splendid variety for the farmer who sells corn in the ear.

This and Legal Tender are the only varieties we have thought worthy to place beside the standard sorts of our own introduction, but we recognize the merits of these two corns and give them equal care in growing and selection that we do those which we have ourselves produced. Our stock is extra choice, having been grown from stock received direct from Rr. Reid, and we have selected the choicest ears so that we are sure our seed cannot fail to please the most particular. It is of handsome yellow color, smooth, deep grained, and the kernels are packed very closely on the cob, thus giving it an appearance of great solidity. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 75c, bu. \$2.25, 2 bu. or more at \$2.15, 10 bu. or more at \$2.00.



STAR LEAMING.

## STAR LEAMING.

The Leaming Corn, originated by Mr. Leaming, of Ohio, had the reputation of being the hardiest and surest growing yellow corn, but particular growers objected to its red under-color and uneven kernels, due to its rapid tapering. Our Star Leaming, so called to distinguish it from other strains, has been carefully bred up through a long series of years to overcome these objections and still retain all its desirable qualities. Ears are large and handsome, with deep, large grains of rich, deep orange color, on a medium to small cob. It grows to medium height, setting the ears about 4 feet from the ground, husks easily, and the corn is snug on the cob, thus making a very solid, heavy feeding ear. Surface is quite smooth for dent corn. It is very productive, and it is the ideal variety for selling in the ear. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. or more at \$1.75.

## HICKORY KING.

A white field corn which has the largest grains with the smallest cob of any white corn ever introduced. So large are grains and so small the cob that on an ear broken in half a single grain will almost cover the cob section completely. Of strong, vigorous growth and yields splendid crops on light soil; a desirable variety where season is long enough to mature it, but we do not recommend it north of Southern Iowa, although it has produced a good crop forty miles north of Des Moines. Notice the illustration and if your farm is not too far north try at least a small field this year. This variety matures in about 135 days. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.35, 10 bu. for \$22.50.



HICKORY KING

### SUPERIOR QUALITY

Thoroughbred Stock of

### STAR LEAMING

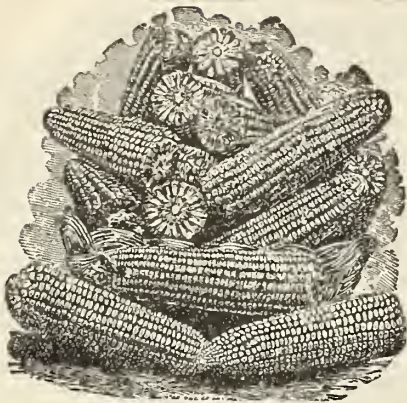
The Great Market Corn,

OUR OWN STRAIN.

LEAMING ENSILAGE.—Cheaper or commercial grade; good vitality; not selected so closely to type. Used in the east for silos. Pk. 40c, bu. \$1.40, 2 bu. or more at \$1.25, 10 bu. for \$11.



# EXTRA EARLY CORN,



PRIDE OF THE NORTH.

## PRIDE OF THE NORTH.

The variety originated with A. L. Goddard, of Kossuth County, Iowa, near Minnesota line, about twenty years ago, and sprang at once into prominence as the earliest of all yellow dent corns. The ears are 7 to 8 inches long with small cob and kernel; seventy pounds of ears will make sixty pounds of shelled corn; color bright orange and very uniform. Will ripen in ninety days and matures in this latitude when planted in June. Good soil is capable of

Iowa corn growers have been planting the large-eared varieties of corn in preference to those that were earlier but somewhat smaller. Of course a large-eared corn is better if it will ripen, but last year and year before last many fields did not ripen enough to keep when cribbed and very little corn of good quality was to be found in the state. The season in Iowa is long enough to properly ripen the corn crop if care is used in selecting varieties that will ripen every year in the section in which they are grown. You may lose a little in yield, but even this can be avoided by planting a little closer on the ground.

Small corn is usually tedious to husk, but you will never have trouble in getting men to husk the Longfellow Dent or Farmers' Reliance. The ears are so uniform in size, the field so free from barren stalks and nubbins and it comes out of the husk so easily that husking it is a positive pleasure. One man husked and hauled a mile and a half to our corn house 110 bushels of Farmers' Reliance in ten hours.

Our growers all like to grow Longfellow Dent because it is such a good yielder, sure to ripen early and so easy to husk.

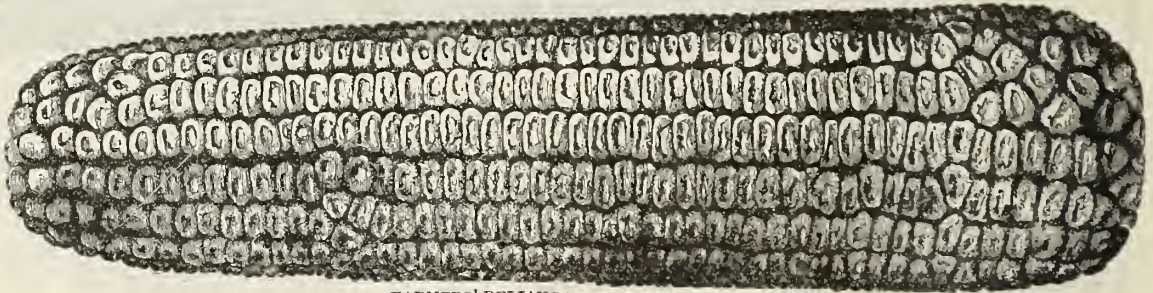
Early corns do not usually take the prizes at the corn institute, but it is a whole lot cheaper for you to let the other fellow take the prizes for the largest ear than to feed your stock starchy, immature corn which is hard to digest and takes ten bushels to go as far as six of good, sound corn.

producing four or five good stalks to the hill and many of the stalks have two ears each. The same results can be better accomplished by growing closer together or planting in drills as it does not require as much room as the large growing sorts. This will enable one to get as large a crop as with a large-eared variety and much more fodder. It is the dependence of the man in a pinch. If for any reason you cannot plant at proper time Pride of the North will make you a crop in 30 days less time than the large-eared sorts. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.25, 2 bu. or more at \$2.15, 10 bu. or more at \$2.00.

The Earliest Large Corn

FARMERS' RELIANCE

The Largest Early Corn

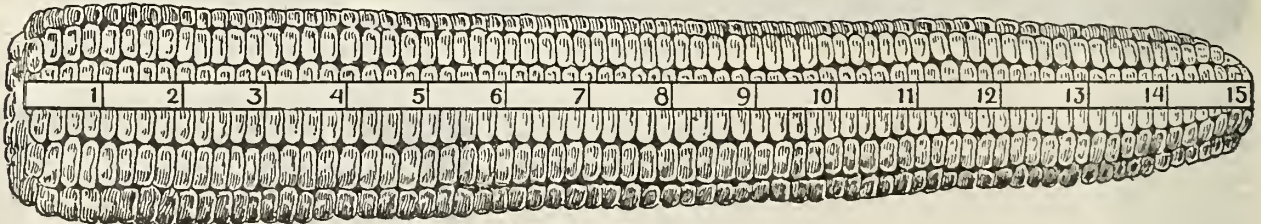


FARMERS' RELIANCE

## FARMERS' RELIANCE.

A grand novelty in field corn, introduced by the Iowa Seed Company, and it is by far the earliest large dent corn in existence, and also the largest eared early corn. It is the result of a scientific hybridization made fifteen years ago by a practical seed corn grower, and followed by careful selection each year since to obtain the earliest large-eared corn in the world. Of very strong, vigorous character, growing more rapidly than any other variety from the day 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 nine to eleven blades, while most ordinary corn has thirteen blades. Leaves quite

broad, of a dark, emerald green, healthy color. Has been planted as late as June 26th and yielded a splendid crop. We claim it will mature in eighty to ninety days. Ears are larger, smoother and easier to handle than Pride of the North and will yield one-third more under the same conditions. An average bushel of seventy pounds will make sixty pounds of shelled corn. It has for years been selected from stalks which set the ears three feet or less from the ground and this has a tendency to make it earlier. Fully 40 per cent of the stalks produce two good ears. It is the "farmer's reliance" every year. The originator has taken the first prize for early yellow corn at every fair at which it has been exhibited. Per lb. 25c, 3lbs. 60c, postpaid. By freight or express, pk. 75c, bu. \$2.50, 2 bu. or more at \$2.35, 10 bu. for \$22.50.



EARLY LONGFELLOW DENT.

## LONGFELLOW DENT.

There is no telling when we will have a short season and early killing frost in the fall, and in such a case farmers who have their fields planted with an early maturing variety are truly fortunate. Most extra early sorts are too small and "nubbiny," but this new variety is of unusual length, our illustration showing an ear 15 inches long, but the average is about 12 inches. Its peculiar shape, which is different from any other sort, suggests the name. Matures fully as early as Pride of the North, is double the size and yields a far larger crop, which is ripe and hard before frost, thus making a variety that it will pay to "tie to." Stalks are of medium height, strong and not easily blown down. Grain is not as deep as some of our other varieties, but it is the corn of corns for selling on the market, as a wogan-load of it is as pretty as a picture. Our crop this year was especially choice. We recommend it highly to

customers in Northern Iowa, Minnesota, the Dakotas and other northern states, feeling that it will please. Order early as there is sure to be a great demand. Per pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.90, 10 bu. or more at \$1.85.

## ADAMS EARLY WHITE.

A variety of white corn of equal value with Pride of the North. Matures in 90 days and is of extra good quality, being rich in starch and sugar. Ears rather small, grains medium size, pure white. White corn of late years is bringing a better price in large markets than the yellow, owing to increased demand for table corn products, nearly all of which are manufactured from white corn. If you want an extra early white corn, either for feeding purposes or for market, Adams' Early White will give you best results. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 75c, bu. \$2.50, 2 bu. at \$2.40, 10 bu. or more at \$2.35.





SANFORD'S EARLY WHITE FLINT.

**EVERGREEN SWEET FODDER CORN.**

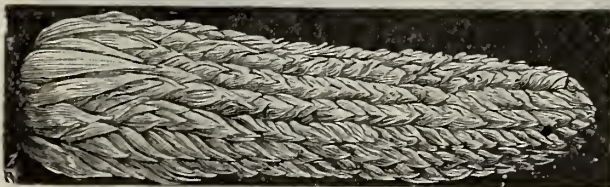
The past two years seed sweet corn has been so scarce and high in price that we did not urge our customers to plant it, but last year we grew a splendid crop, both in quality and quantity, and are therefore enabled to offer it at a low price. We consider it one of the most valuable fodder plants in existence, and stock farmers should all devote some land to it. The stalks are sweet, juicy, rich, tender and very nutritious. On a strong soil it will grow 10 to 12 feet high and produce almost an incredible amount of fodder, which when well cured is equal to hay, besides being cheaper. It is claimed by dairy farmers 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 eight acres of ordinary pasture. Of high value also for hogs, and an excellent plant to plow under for soiling. Sow thickly in drills, or broadcast at rate of 2 bu. per acre. Pk 60c, bu. (measured) \$2.00, 2 bu. or more at \$1.85.

**EARLY SWEET FODDER CORN**

Will make feed much earlier than the above and is very nice to feed when in roasting ear. Not as large a yielder. Pk. 60c, bu. \$2.00, 2 bu. or more at \$1.85. Ask for price in quantity.



EVERGREEN SWEET FODDER CORN.



PRIMITIVE OR HUSK.

**PRIMITIVE OR HUSK CORN.**

It is from this wild variety that all of our civilized sorts have sprung. The ears are of fair size and each individual kernel or grain is covered with a husk and all is 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. Per pkt. 10c. Specimen ear for 40 cents, postpaid.

**TOOLS FOR CORN GROWERS**

**Handy Corn Sheller**—By express only, each \$1.75. **Rotary Corn Planter**—By express only, each \$1.50. **Ramsey Adjustable Corn Husker**—Each 50c, 6 for \$2.50 postpaid; by express, each 40c, 6 for \$2.00. **Seed Corn Grader**—Single sieve grader, by express only, each \$1.25. Above appliances are described and listed with miscellaneous tools on page 127.

**SANFORD'S EARLY WHITE FLINT.**

This standard variety is considered the best flint corn on the market. The ears are of unusual length, 12 to 15 inches, and handsome shape, flinty white color. Plants of sturdy, vigorous growth; leaves are very broad and succulent, and it is therefore of great value for fodder and ensilage, as well as for a grain crop. Stalks usually bear 2 or 3 long ears. You will be pleased with it if you like flint corn. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. or more at \$1.75.

**IMPROVED EARLY YELLOW FLINT.**

An eight-rowed yellow flint variety with ears from 10 to 15 inches long, 1½ to 2½ inches in diameter, and well filled out to the extreme end of the 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. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$2.00, 2 bu. or more at \$1.85, 10 bu. \$17.00.

**IOWA YELLOW DENT.**

We always advise farmers to select the best named varieties in buying seed corn, and believe it pays them in the long run. Every year, however, there are thousands of farmers in need of seed corn, and their main object is to secure at a low price a nice grade of yellow corn which is well matured, thoroughly tested, of strong vitality, and will produce a good crop of sound corn. While this corn is not equal to our best named varieties, still we believe you will find it superior to nine-tenths of the corn offered by other dealers. It is not crib corn nor is it purchased on the market for sale, but is specially grown for us and given the same care accorded to our other varieties. At our price it will cost you only about 20 cents per acre to plant your field with this variety and it will pay you well to order sufficient for your planting. Pk. 50c, bu. \$1.50, 2 bu. or more at \$1.35, 10 bu. or more at \$1.25 per bu.

**NEW CENTURY WONDER.**

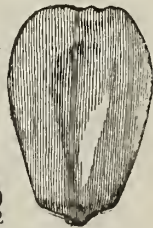
A wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing 10 to 20 stalks from each seed. Often 3 to 7 ears to stalk, being 8 to 10 in. long, and of most clean, snow-white color. Of excellent quality for the table like sweet corn; when dry and ground makes the cleanest, finest, whitest meal. An improvement on Brazilian flour corn, being acclimated by growing in the north. Plant early as it requires the whole season to mature in this latitude. Pkt. 10c, ¼ lb. 15c, lb. 40c, 3lbs. (will plant one acre) \$1.00, postpaid. By freight, ½ pk. 65c, pk. \$1.00, bu. \$3.00.

**GIANT RED COB ENSILAGE.**

Beyond doubt the best fodder corn, either to feed green right from the field, to put up for the silo, or to cure and stack away. It is a pure white corn, cropping as high as 45 tons of fodder per acre. It is sweet, tender and juicy, and furnishes more nourishment than any other variety; has short joints and therefore an abundance of leaves and grows to a fair height, but not over-large and coarse-stalked as some varieties. It is adapted to every section of the country for fodder, and makes an excellent grain crop in Missouri and throughout the south. Ears 8½ to 10 inches long, 16 rows, kernels deep and broad, and pure white on red cob. Quite popular with dairy farmers. Pkt. 5c, lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 55c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. for \$15.00.

**GIANT CUZCO CORN.**

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



GIANT CUZCO CORN.

have transacted business with you to the extent of hundreds of dollars and I have found your business methods courteous and straightforward; careful in representations and honest in your dealings. Please send four bu. more of Golden West seed corn.—D. E. Schoonover, Montgomery County, Pa.

I bought two bushels of Longfellow Dent of you two years ago. They

done me more good than any two bushels of corn I ever bought.—T. L. Grow, Rippon, Iowa.

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



# SEED WHEAT.



No crop is more important and profitable than a good wheat. If farmers would pay more attention to having the proper soil conditions, securing the right kind of seed and getting it in properly, they would find it as profitable a farm crop as can be raised. As a nurse crop for clover and grass seed we consider wheat the best small grain in the list. As a crop to round out the rotation on the farm wheat is again taking its place as a necessary item, and with improved seed and sod ground is proving as profitable as corn. A great many have grown our improved varieties the past few years and have received yields of from 30 to 50 bushels per acre. The following varieties we are confident are the best and most profitable to grow:

**MINNESOTA 163.**—Professor Hays, formerly of the State University at St. Anthony Park, Minn., originated this wheat and a special bulletin, issued by the Experiment Station, on Seed Wheat, gives a full description and the history of it. In comparison with the old standard varieties of wheat, the Minnesota No. 163 is far ahead in every respect, in yield as well as quality, the berry being larger and containing quite an amount of gluten. It is a wheat with new life, vigor and vitality, growing heads almost again as long as the old, common Fife Wheat, and also producing grain as much as that. The Minnesota No. 163 yields well, grades well, weighs well, and, on account of being such a vigorous grower, is less subject to rust and blight than other varieties. It grows a stiffer straw than other kinds, and stands up well when other varieties lodge on account of unfavorable conditions. Per lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$1.85, 2 bu. or more at \$1.75, 10 bu. for \$16.00.

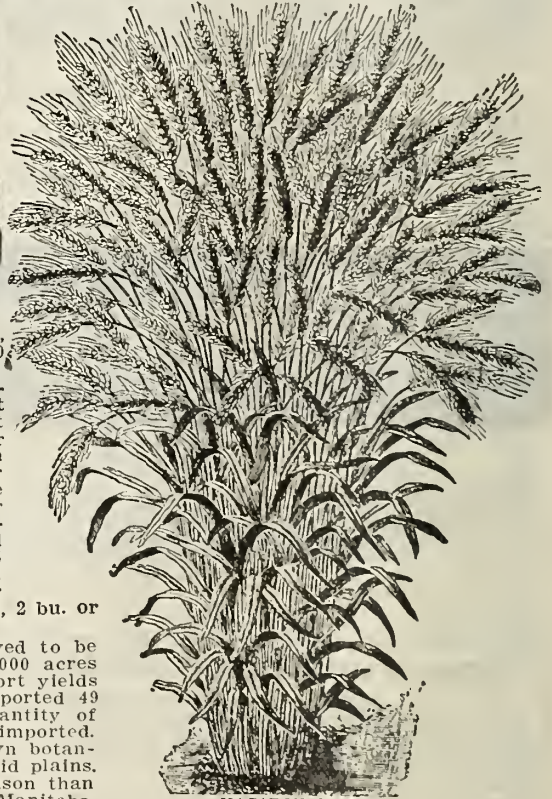


This has given far better satisfaction in central Iowa than any other variety and wherever introduced it is driving all other sorts out. The farmers are delighted with it. It is a new variety of spring wheat, about ten days earlier than Velvet Chaff or other standard sorts, and thus escapes the extreme hot weather so injurious to small grain. It is usually ready for harvest as early as winter wheat, and therefore desirable to sow on land where winter wheat has partially failed. A good crop can this way be secured from fields which would otherwise be unprofitable and the wheat would be all right for milling purposes, but would not do for seed. Yields in this locality ordinarily about 35 bu. per acre. Per lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 65c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. for \$15.00.

**VELVET CHAFF, or Blue Stem Wheat.**—The standard variety for growing in Iowa and it is now the main crop in the northwestern states where the great milling kings use it for their highest grade flour. Per lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 60c, bu. \$1.75, 2 bu. or more at \$1.65, 10 bu. for \$15.00.

**DEFIANCE WINTER WHEAT.**—(Improved Turkish Red)—Introduced by the Iowa Seed Co., and we claim for this new wheat that it is unequalled in hardiness, stooing qualities, productiveness, rust proof qualities, strength of straw, quality of grain, quality of flour and the best in all respects of any wheat ever offered. If you can find a place in your system of crop rotation for growing winter wheat we do not hesitate to say that it will prove far more profitable than either of the spring sown small grains. Reports year after year from farmers growing Defiance Winter Wheat are so uniformly flattering that we recommend it without reservation. It has a record of over 59 bushels per acre and many crops are reported of 35 to 45 bushels. Flour is equal to the world-famed Hungarian product. Everyone is delighted with it. Ask for price in the fall. Price for shipment by mail, per lb. 25c, 3lbs. 60c. By freight, pk. 60c, bu. \$1.60, 2 bu. or more at \$1.50, 10 bu. for \$14.50.

**MACARONI, or Durum Wheat.**—(Kubanka)—This wheat has proved to be a great money maker to the farmers of the northwest, about 150,000 acres being sown to it by Dakota farmers alone last year, and they report yields 80 per cent greater than other varieties of wheat. One farmer reported 49 bushels per acre. Few people have any idea of the immense quantity of macaroni used in this country, and, until recently, it has all been imported. It requires a special kind of wheat to make it, the best being known botanically as *Triticum Polonicum*. It does especially well in the semi-arid plains. It seems to be always a sure crop and will mature in a shorter season than any other wheat and is therefore desirable for Minnesota, Dakota, Manitoba and the Northwest. Yields also very profitable crops in Iowa, Kansas, Oklahoma and Texas. It does well on good soil, but the yield is larger and quality better when grown on poor land. The grains are very hard and glossy, often translucent, and rather large. The heads are compactly formed and are bearded. This wheat is hardy and not attacked by smut or rust and is a sure crop. Sow seed early in the spring, about 1½ bu. per acre. Per lb. 30c, 3lbs. 75c, postpaid. By freight, ½ pk. 40c, pk. 65c, bu. \$1.65, 2 bu. or more at \$1.55, 10 bu. for \$15.00.



MACARONI WHEAT.

OUR VARIETIES OF WHEAT ARE THE MOST PROLIFIC AND THE QUALITY OF THE SEED EXTRA CHOICE.







## SEED RYE.



**MAMMOTH SPRING RYE.**—This is quite different from the winter rye and is highly valued wherever known. It is not only more productive but the grain is of finer quality and it can be successfully grown in any latitude. The straw is of special value as it stands six or eight feet high, being better than that of winter rye and producing nearly four times as much straw as oats. Produces 30 to 40 bushels of grain to the acre. As it does not stool like winter rye, not less than two bushels to the acre should be sown. There is always a demand for first quality rye straw and the price is nearly always remunerative. The double crop of straw and grain make it one of the most profitable of farm crops. Pkt. 5c. lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 60c, bu. \$1.90, 2 bu. or more at \$1.80, 10 bu. or more at \$1.75.

**MONSTER WINTER.**—We consider Winter Rye one of the most important of all farm crops. In the first place, it is a sure crop, failures being almost unknown. Every farmer should have at least a few acres of it. It is usually sown in the fall, and as it grows very vigorously, will furnish pasture till late in the fall and also early in the spring before other grasses have made a growth. So it is of great value to dairy farmers. If sown early in the spring it makes an early and abundant pasture, but makes no grain crop. Our Monster Rye is of extra quality. We are sure it will please you, no matter whether you want it for pasture or grain crop. As grown for the grain alone it will yield great returns and make money for you. As much as 60 bushels per acre have been produced. Pk. 50c, bu. \$1.35, 2 bu. or more at \$1.25, 10 bu. or more at \$1.20.

## SEED BARLEY.

**MANDSCHEURI.**—Improved strain of standard six-rowed bearded barley. The standard market variety by which all are graded and therefore the most popular bearded sort. It is an early variety, very strong, stiff straw, stands

up and stools well. It

bears large, well-filled heads of plump-berried grain. Per lb. 25c, 3lbs. 60c, postpaid. By freight,

pk. 50c, bu. \$1.50, 2 bu. or more at \$1.40, 10 bu. or more at \$1.35.

**SUCCESS BEARDLESS.**—Very valuable variety. The earliest barley known. The straw is about the height of common barley, but better, and will stand up on any land; on good land will produce 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 Mansury or any other old variety, and is a heavy cropper, yielding from 50 to 75 bushels per acre, and the quality is excellent, both for malting and for feeding hogs. Per lb. 25c, 3lbs. 60c. By freight, pk. 50c, bu. \$1.50, 2 bu. or more at \$1.40, 10 bu. or more at \$1.35.

**IDEAL WHITE HULLESS.**—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. Weighs 60 to 65 pounds to the measured bushel, while ordinary barley weighs only 48 pounds. The straw is very stiff and strong. It is the handsomest variety that we know of. The kernels shell out without the hulls and are the prettiest and handsomest white berry, plump and oval in shape, that has ever been grown. It is not a malting barley, but can be used for feeding only, and as a fattening feed for hogs it has no equal. Is a vigorous grower and can be sown after all the other grain is sown and it will mature before wheat or oats. Per lb. 25c, 3lbs. 60c, postpaid. By frt., pk. 65c, bu. (48lbs.) \$2.00, 2 bu. or more at \$1.80, 10 bu. or more at \$1.70.

## NOVELTY FARM SEED COLLECTION.

Many of the items in this collection are not strictly novelties, but few of them are generally known to our customers. For a very small price we offer an opportunity to study these plants and determine for yourself their value in agriculture. The collection consists of one good size pkt. of Primitive or Husk Corn, New Century Wonder Corn, Giant Ciseco Corn, Seradella, Hullless Buckwheat, Teosinte, Upland Rice, Australian Salt Bush, Pennellaria, Jerusalem Corn, Thousand Headed Kale, Canary Grass distinct and different kinds in all, postpaid to any address in the United States, 60c.

## EXPERIMENT CORN COLLECTION.

For the benefit of such of our customers who would like to compare our varieties of corn in a practical way, we offer a collection of 1lb. each of the following nine varieties: Prosperity, Iowa Silver Mine, Iowa Gold Mine, Profit, Golden West, Longfellow Dent, Lenoche's Homestead, Farmers' Reliance and Star Lenning, by express, not prepaid, for \$1. or if you send 50c additional will prepay.



BEARDLESS BARLEY.



MANDSCHEURI BARLEY



HULLESS BARLEY.

## YOUR CHECK IS GOOD.

It is sometimes inconvenient for our farmer customers to send to town for draft or money order and if you have money in bank you can send your personal check with order to pay for farm seeds. We make this offer to save you trouble and delay in obtaining seeds.



## BUCKWHEAT.

Buckwheat is a valuable crop for those parts of the farm which always seem to be left unplanted at the close of the season. As it is generally sown in late June or early July it will fill up the vacant plots at a time when all other planting is past and produce a profitable crop on what would otherwise be waste places. Use about one-half bushel seed per acre.

**JAPANESE.**—A week earlier than Silver Hull and yields more. Flour is equal to any other buckwheat, while it is more productive than any other, and succeeds well far north. The kernels are quite large, but the straw is heavier and it branches more; need not be sown as thickly as other kinds. Per lb. 25c, 3lbs. 60c. By freight, pk. 50c, bu. (52lbs.) \$1.60, 2 bu. at \$1.50, 10 bu. for \$14.00.

**SILVER HULL.**—Very good, popular variety. Grain is of light gray color, rounder than the common variety, has a thinner husk, earlier and yields more. Per lb. 25c, 3lbs. 60c. By frt., pk. 50c, bu. \$1.60, 2 bu. or more at \$1.50, 10 bu. \$14.

**NEW HULLESS.**—A wonderful novelty, growing exactly like buckwheat, but the grain has no hull on and looks exactly like the grains of rye. It is a desirable novelty which we believe will pay farmers to try. Pkt. 10c, lb. 40c, 3lbs. \$1.00, postpaid. By freight, ½ pk. 65c, pk \$1.15, bu. \$3.50.

## SPELTZ.

A Valuable New Grain from Russia.

This most wonderful new grain was first introduced in this country by the Iowa Seed Co., and has proved of great value, and is now listed by almost all of the leading seedsmen. It has become a staple crop in nearly all sections of the northwest, and its position in the list of grains is thoroughly established. It is another evidence of the permanent advance in agriculture through the influence of our house. It is generally grown and handled in the same manner as barley. Botanically known as Triticum Spelta or Emmer, and is supposed to be the grain grown in Egypt in the time of Moses. It is mentioned several times in the Bible. 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. Is of high value for feeding and will make a fair grade of flour similar to rye. Will grow well and produce immense crops on poor soil, and dry weather appears to have no effect on it; will make a good crop with almost any condition of soil and climate. It makes excellent pasture and good hay if cut at proper season. It yields 70 to 100 bushels of grain to the acre, besides several tons of straw for feeding. The grain is much richer than corn for feeding and of superior quality for fattening hogs, cattle, sheep, poultry, etc. May be sown in the spring or fall, 50 to 75lbs. per acre. Per lb. 25c, 3lbs. 60c, postpaid. By freight, pk. 50c, bu. (35lbs.) \$1.25, 2 bu. or more at \$1.15, 10 bu. or more at \$1.10.



GRAINS OF SPELTZ.

applying same will be sent free on application. If you have any foul spots on the farm it will pay you to investigate. Has proven an unqualified success in the grain fields of the north, which are fully illustrated and described in the free circulars. Price, per 100lbs. \$5.50, per 500lbs. \$25.00.



## BROOMCORN.

**CALIFORNIA GOLDEN.**—Carefully selected and improved so that the brush is straight and long, a very large proportion of it being suitable for hurl. Of fine quality, light green color, turning to light yellow when allowed to become too ripe. Per

lb. 25c, 3lbs. 65c. By freight, pk. 75c, bu. (50lbs.) \$2.50.

**EVERGREEN.**—Largely grown in the western states. Brush noted for fine quality, good length and handsome appearance. Per lb. 25c, 3lbs. 65c. By freight, pk. 70c, bu. \$2.25.

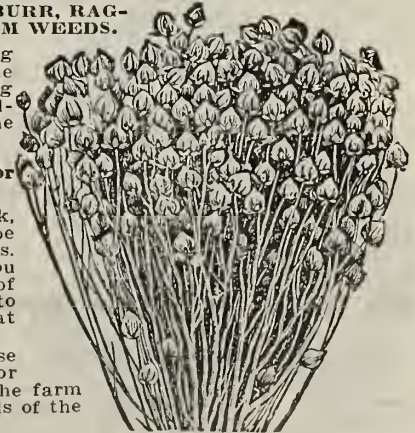
**DWARF.**—Popular in some sections, matures late. Per lb. 25c, 3lbs. 65c. By freight, pk. \$1.00, bu. \$3.00.

## UPLAND RICE.

An early variety which can be grown on any ordinary land without irrigation, although it prefers a moist situation, and has matured in Illinois. Its growth is similar to wheat. Sow early in drills 2 feet apart, and drop the seeds one inch apart in drills, covering about 1½ inches, one peck per acre. It stools out very heavily. Price per pkt. 5c, ¼lb. 15c, lb. 40c, 3lbs. \$1.00, postpaid. By express or freight, ½ pk. 65c, pk. (11lbs.) \$1.40, bu. \$4.50.

## SEED FLAX.

It will pay you to sow nice, pure, high-grade flax seed. Our seed is thoroughly re-cleaned, free from mustard or other weed seed and is as good as can be purchased anywhere. Don't buy flax seed on open market. It is generally full of weed seed. One of the most profitable crops, especially on new land. Price subject to changes. 1lb. 20c, 3lbs. 50c, postpaid. By freight or express, pk. 65c, bu. \$2.00, 2 bu. at \$1.90, 10 bu. or more at \$1.85.



FLAX.

## RESOLVENT SULPHATE OF IRON.

KILLS WILD MUSTARD, COCKLE BURR, RAGWEED AND OTHER NOXIOUS FARM WEEDS.

The new method of exterminating weeds on the farm and keeping the grain fields from becoming breeding places of foul seeds which make cultivation so difficult and injure the quality of the products.

Will not injure oats, flax, speltz or other grains but will kill the weeds.

One application will do the work, and in a few years your farm will be comparatively free from weed pests.

The operation is not difficult. You simply mix the Resolvent Sulphate of Iron in water, using about 150lbs. to 100 gallons of water (enough to treat 2 acres) and apply with a sprayer.

Circular giving directions for use and describing the best apparatus for

WILL BE PLEASED TO QUOTE YOU PRICES ON CLOVER AND GRASS SEEDS AT ANY TIME.



**EARLY AMBER CANE.**

Dairy farmers say that the Early Amber Cane is the most valuable fodder plant in existence for their use. Notwithstanding its great adaptability as a food for livestock it is only recently that the real value of sorghum (or sugar cane) has attracted general attention. Its great merit is now beginning to be appreciated. It is of the very best quality, being sweet, tender, nutritious and greedily eaten by cattle, horses and hogs. Darymen find that the cows will give more and richer milk from its use and it is claimed that as high as ten tons of fodder have been grown per acre. It can be grown successfully in any part of the country, from Canada to Texas, and from the Atlantic to the Pacific. It is one of the best plants to withstand drouth and unfavorable weather and is therefore a comparatively sure crop, and a larger crop is often produced from one acre than from three to five acres in hay. It is usually put in during the first half of June, sowing 100 pounds per acre broadcast, or 60 to 75 pounds per acre is sown with a wheat drill. Cut in September or just before frost with a mower and cure like hay, or with a binder and stand the bundles up. Many varieties are used but we consider the Black or Red Seeded Amber the most desirable. If wanted for sorghum purposes we recommend sowing the Kenney's, which is purer, but this cheaper grade is about as desirable for fodder purposes. Price is subject to market changes but it usually advances later in the season. Per lb. 20c, 3lbs. 50c. By freight, 10lbs. 50c, 25lbs. 90c, 100lbs. \$3.00, 500lbs. or more at \$2.75.



KAFFIR CORN.

**KAFFIR CORN.**

A most excellent fodder plant, yielding two crops of fodder during a season. It grows from five to six feet high, making a straight, upright growth. The stem or stalk bears numerous wide leaves. The stalks keep green and are brittle and juicy, making excellent fodder either green or dried. The seed crop is also heavy, sometimes yielding sixty bushels to the acre. Both grain and fodder are excellent. The stalk remains tender to full maturity of the seed. There is no failure about it; can go without rain without any loss in yield. The grain is extremely valuable for feeding to poultry and will make a flour that is like wheat. Cultivated the same as common corn, requiring five pounds of seed per acre. For fodder sow one-half to one bushel, either broadcast or in drills. Pkt. 5c, lb. 20c, 3lbs. 50c. By freight, pk. 40c, bu. (56lbs.) \$1.35, 2 bu. or more at \$1.25.



TEOSINTE.

**TEOSINTE.**

A fodder plant grown largely in some parts of the country. Somewhat resembles corn in its general 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 12 feet high, very thickly covered with leaves. Eighty-five stalks have been grown from one seed, attaining a height of 11 feet. Horses and cattle eat it as freely as young sugar corn. Plant as soon as ground becomes warm at usual corn planting time, in hills 3 to 4 feet apart each way, two seeds to the hill. Teosinte is one of the heaviest yielding forage plants known, having yielded 50 tons of fodder to the acre. Large pkt. 5c, oz. 10c, 1/4lb. 25c, lb. 80c, 3lbs. (sufficient for acre) \$2.00, postpaid.

**TREE AND HEDGE SEEDS**

(By mail, postpaid.)

Variety.	Pkt.	Oz.	1/4lb.	Lb.
Apple	.05	.10	.30	.90
Ash, White	.05	.10	.20	.60
Box Elder	.05	.10	.20	.60
Catalpa, Hardy	.05	.15	.50	1.50
Locust, Black	.05	.10	.20	.65
Locust, Honey	.05	.10	.20	.60
Mulberry, Russian	.10	.30	.90	3.00
Osage Orange	.05	.10	.25	.75
Tree of Heaven	.05	.10	.25	.75

**NO RAIN FODDER OFFER.**

Many seasons pass without enough rain to make a good hay crop. If you want to insure sufficient winter feed in spite of drouth send for this collection, consisting of 25lbs. Amber Cane, 15lbs. Kaffir Corn, 1lb. Teosinte, 2lbs. Pencilaria. This will plant two acres of ground and produce from 40 to 60 tons of very best fodder. By freight, not prepaid, \$2.25.

**KENNEY'S IMPROVED AMBER CANE.**

An improved variety which 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 3,200lbs. 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 United States. Requires only 5lbs. of seed per acre. Per lb. 25c, 3lbs. 65c. By freight, 10lbs. \$1.00, 25lbs. \$2.00, 50lbs. \$3.50, 100lbs. \$6.00.

EARLY AMBER CANE.



**SAND VETCH.**

Or Winter Vetch. A comparatively new forage plant which has proved of high value, and is highly recommended by the U. S. Dept. of Agriculture. Succeeds and produces good crops on poor, sandy soil, but is more vigorous on good land and grows 4 to 5 feet high. Perfectly hardy throughout the United States; is green all winter. Exceedingly nutritious, more so than clover, eaten with a relish, may be fed to all stock. Earliest for cutting and a full crop may be taken off before planting spring crops. Sow 1/2 bu. per acre in spring or fall. Pkt. 5c, lb. 30c, 3lbs. 75c, postpaid. Frt., pk. \$1.60, bu. (60lbs.) \$5.75, 2 bu. or more at \$5.50.



PENCILARIA.

**JERUSALEM CORN.**

Claimed by practical growers to be an improvement on Kaffir corn. Produces a large crop of fodder, which is of very good quality. Seed white and nearly flat. Yields a good grain crop also. Three or four pounds will plant an acre in drills, 40 to 50 pounds broadcast. Pkt. 5c, lb. 25c, 3lbs. 60c. By freight, pk. \$1.00, bu. (50lbs.) \$3.50, 2 bu. or more at \$3.20.

**PENCILARIA.**

This wonderful fodder plant has proven a great boon to farmers, especially in dry sections of the country where they have been delighted with it. It does not do so well during wet seasons, being particularly a dry, hot weather plant. It is an improvement on the Pencilaria Spicata (Pearl Millet), being much better adapted to the north and producing a good crop where Pearl Millet is a failure. Seed is very small, and when it first comes up it looks like grass, but very soon changes its appearance so that it more nearly resembles corn, growing very rapidly and having broad, succulent leaves. It stools out wonderfully, our customers reporting as high as 75 stalks grown from one seed. Sow in May or June in drills 24 to 36 inches apart, using 2lbs. seed per acre, or broadcast 15lbs. per acre. Per pkt. 5c, 1/4lb. 15c, lb. 35c, 3lbs. \$1.00, postpaid. By express, lb. 25c, 5lbs. \$1.00, 25lbs. \$3.75, 100lbs. \$13.50.



SAND VETCH.

**YOU CANNOT REALIZE THE IMMENSE VALUE OF THESE FODDER PLANTS UNLESS YOU TRY THEM.**



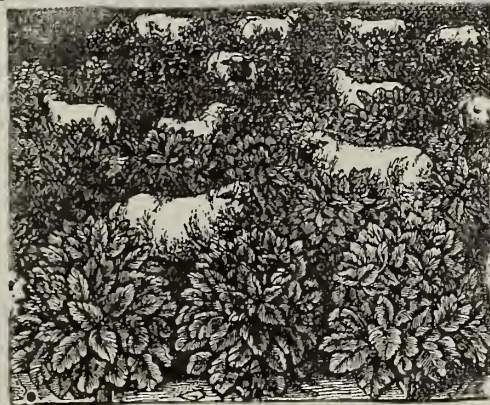
**DWARF ESSEX RAPE.**

This is beyond all question the most popular and profitable of all forage plants, and everywhere it is giving the best satisfaction. It is easily grown anywhere and stands unsurpassed as a forage plant for hogs, cattle or sheep. They eat it greedily and seem to prefer it to any other pasture during the summer and till late in the fall or early winter. It can be sown early in the season to provide early pasture for sheep and swine or sown in small grain a week or so before cutting to provide pasture after harvest, or sown on the stubble, but it is usually sown in June, July or August with corn or potatoes or on well prepared land alone for summer and fall pasture. Makes a wonderfully productive pasture for sheep, hogs and cattle, 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. It is extremely cheap and very prolific, having yielded twenty tons of fodder per acre. In the east it is usually sown in drills, two or three pounds per acre, and cultivated, but in western states it is almost invariably sown broadcast, four or five pounds per acre, and grows so rapidly that weeds are quickly smothered. A Nebraska farmer says that he sowed only three pounds per acre on a four and one-half acre field, and five weeks after sowing he turned eighty head of hogs and forty pigs into the field and they pastured there constantly until October. The plants grew so rapidly that at no time could he tell where the hogs had been twenty feet away from the gate. Our seed is the best quality, direct from Essex, England, and far superior to the cheap Dutch grown seed. Per pkt. 5c, lb. 30c, 3lbs. 75c, postpaid. By freight, 5lbs. 60c, 10lbs. \$1.00, 25lbs. \$2.00, 100lbs. \$7.00. Write for circulars on growing rape.



**THOUSAND HEADED KALE.**

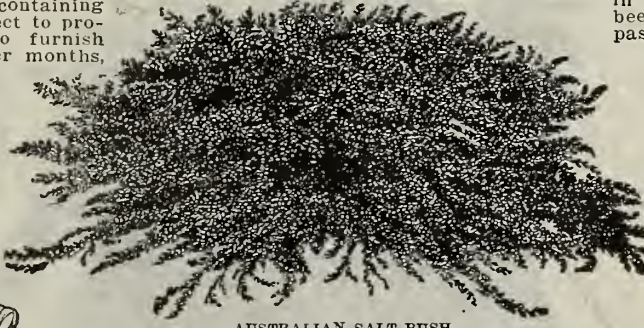
Will yield a much heavier crop than Dwarf Essex Rape and is now considered much superior to the rape in some sections. The seed can be sown early in April or any time thereafter till mid-summer. It grows to a height of 3 to 4 feet, and is so covered with small whorls of leaves that the name of Thousand Headed Kale was given it. Sow broadcast, 3lbs. per acre, or in rows eighteen inches apart, using 1lb. per acre. Pkt. 5c, 1/4 lb. 15c, 1lb. 50c, postpaid; 5lbs. or more by express at 35c.



THOUSAND HEADED KALE.

**AUSTRALIAN SALT BUSH.**

A valuable plant for soils containing alkali and for all regions subject to prolonged drought. Desirable to furnish forage during hot, dry summer months, in western and southern states. Not hardy in the north. Needs some little moisture to start it into growth, but when once started it will make a strong growth during hottest and driest weather. Spreading habit, branching freely, making thick mat of stems and foliage 12 to 18 in. over entire surface of the soil. Pkt. 5c, oz. 15c, 1/4 lb. 40c, lb. \$1.25, postpaid; 5lbs. or more by express at \$1.00.



AUSTRALIAN SALT BUSH.

**SERADELLA.**

When traveling in Germany we found that Seradella was the most profitable of all fodder plants grown there and almost everybody grows it for hay. Specially adapted to light, poor or sandy soil, being equal to red clover in nutritive qualities and yields larger crop. One of the best drought-resisting plants known and does well on high land as well as low. Cattle are very fond of it as hay, green fodder or for pasturing. It is not a perennial, but can be cut twice and will produce good pasture balance of year. Sow early in spring alone or with wheat or other grain. Pkt. 5c, lb. 30c, 3lbs. 80c, postpaid. By freight, 10lbs. or more at 10c per lb. Bu. of 45lbs. (will sow 3 acres- \$3.75.

**MAMMOTH RUSSIAN SUNFLOWER.**

Largest sunflower. One of best paying crops. Seeds are best food for poultry; much cheaper than corn. Stalks make good firewood. Larke pkt. 5c, lb. 25c, 3lbs. 65c. By frt. 10lbs. \$1.00, bu. of 25lbs. \$2.



SUNFLOWER

**GIANT SPURRY.**

Excellent for pasture and it grows so well on dry, sandy soil that it has been called "the clover of sandy land." It is readily eaten by sheep and cattle. Sow broadcast in March, April or May. Pkt. 5c, lb. 35c, 3lbs. 90c, postpaid. By freight, 10lbs. \$1.05, 50lbs. \$5.00, 100lbs. \$9.75.

**TENERIFFE CANARY GRASS.**

A productive grass from the Canary Islands which succeeds in all parts of America. It has been tested for several years past in a small way in various parts of the country and has proven to be a good pasture grass and has also yielded an immense crop of good hay. It has proven profitable to grow for the seed, yielding about 1,000 to 1,400lbs. per acre, and the straw or hay, after the seed has been threshed out, retains much of its nutritive value, being considered better than millet, and is relished by the cattle. Sow early in spring about 25lbs. per acre. Price, large pkt. 10c, lb. 35c, 3lbs. for 90c, postpaid. By freight, 10lbs. \$1.50, 25lbs. \$3.00, per bu. (50lbs.) \$5.50.



SERADELLA.

IT WILL PAY FARMERS TO SOW DWARF ESSEX RAPE FOR HOG OR SHEEP PASTURE.



**FIELD PEAS.**

For 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 their merits as a fodder, being very rich in the elements that improve the muscle, bone and nervous system. Sow as early as the ground can be worked, using two bushels of peas and two bushels of oats per acre.

**SCOTCH BEAUTY PEAS.**—Best blue field peas. Will yield an immense crop of superior quality. Pk. \$1.00, bu. \$3.00, 2 bu. or more at \$2.85, 10 bu. or more at \$2.75.  
**WHITE CANADA PEAS.**—More used than any other. Pk. 60c, bu. \$2.25, 2 bu. or more at \$2.15, 10 bu. or more at \$2.10.

**COW PEAS.**

**WHIP-POOR-WILL.**—The most highly valued plant in the south for fodder and reclaiming old and 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 Whip-poor-will is the most popular sort and yields a good crop of both fodder and peas. When ripened the ground peas make the best cattle fattener. Pkt. 5c, lb. 25c, 3lbs. 60c. By freight, pk. \$1.10, bu. \$3.50, 2 bu. or more at \$3.25.

**NEW ERA.**—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 green summer feed and also for planting in corn and other crops and plowing under as a fertilizer. Particularly recommended for planting after grain harvest and plowing under in fall. If you will get the grain off the ground early and plow and plant to New Era Cow Peas you can put the ground in fine shape for next year's crop. You will not have to haul manure on land so treated. Sow in orchards and either use for feed or soiling. Every farmer can use them profitably as the New Eras mature in 60 days and have done well as far north as Minnesota. Pkt. 5c, lb. 30c, 3lbs. 80c, postpaid. By freight, pk. \$1.25, bu. \$3.75.

**EARLY SOJA BEANS.**

**Coffee Berry—Also Colled Soy Bean.**

During recent years this variety 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 to 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. The ordinary soja beans are too late to mature here but this variety ripens in all the northern states, where it has been grown over four feet in height, heavily podded with seed and yielded over ten tons per acre. It is a valuable fodder variety either for feeding green or for the silo. Being a rich, nitrogenous feed, it is unsurpassed as a flesh former, and, like the clovers, is a soil improver, deriving its nitrogen from the air. Plant in drills two or three feet apart and one foot between plants. Pkt. 5c, lb. 30c, 3lbs. 75c, postpaid. By freight, pk. \$1.00, bushel (50lbs.) \$3.50.

**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 we have ever seen. On our farm it yielded a crop of forty-one bushels per acre. The beans are pure white, of small size, greatly resembling the "Navy." Per pkt. 5c, ½ pt. 12c, qt. 35c. By freight, pk. \$1.25, bu. \$4.00.

**IMPROVED NAVY, or BOSTON PEA BEANS.**

A wonderful improvement over the old-time Navy Bean, and in every way superior to the Michigan pea bean. This variety makes a very desirable farm crop, especially in the

far north. Per pkt. 5c, ½ pt. 12c, qt. 35c, postpaid. By freight, pk. \$1.00, bu. \$3.25, 2 bu. or more \$3.00 per bushel.

**VEGETABLE FARM CROPS.**

Many of our best and most profitable farm crops are listed in this catalogue among the vegetables, and we have thought best to call our farmer friends' attention to them at this point, for fear they might be overlooked or not appreciated because they did not appear in the Farm Department.

**Mangel Beets** (see page 7).—Are of special value to the stock feeder and produce enormous crops.

**Carrots** (see page 9).—Are another root crop producing heavy crops and recommended to the horseman and dairy farmer.

**Pop Corn** (see page 13).—A field crop grown in hundreds of acres in northwest Iowa. A great market is now established for this product by the breakfast food manufacturers.

**Onions** (see page 20).—Always salable at profitable prices, since they can be sent to market without loss or shrinkage.

**Citron Melons** (see page 19).—Grown in dry sections in preference to pumpkins for

stock feed; are used in same manner.

**Parsnips** (see page 22).—A good farm crop, since they can be marketed either fall or spring and produce wonderfully.

**Pumpkins** (see page 24).—Two crops on one field if you plant them in the corn. Seems like there are never enough in the markets.

**Squash** (see page 27).—A profitable crop for the farmer near a market. Demand is always good for the large late varieties.

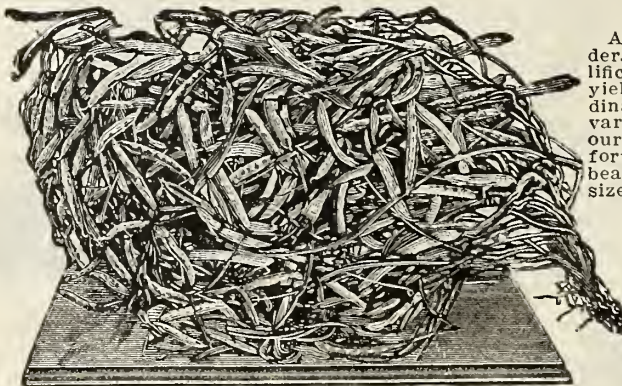
**Turnips and Ruta Bagas** (see page 29).—Recognized as the field crop of all others to occupy the waste spots and produce feed after the planting season for other crops is past.



SCOTCH BEAUTY FIELD PEAS.



NEW ERA COW PEAS.

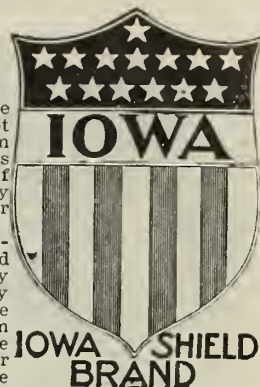


PLANT OF PROLIFIC TREE BEAN.



# GRASS SEEDS

**NEW CROP  
TESTED  
INSPECTED**



For about thirty-five years we have made a specialty of supplying western farmers with the choicest grades of new crop, re-cleaned, tested clover and grass seed, and we now have not only the largest seed business but also the best electric seed cleaning machinery of any firm in this part of the country. Our seeds are therefore cleaner and better than most other dealers can make them, and we are enabled to sell the same quality on a closer margin of profit. Of course, you will realize that it costs far more to raise and harvest a seed crop than an ordinary crop, and we employ seed experts and pay them high prices, but you receive the benefit of their most careful labor.

**A COMPARISON.**

Is our Iowa Shield Brand really worth the difference in price? Take Medium Red Clover, for instance, and compare values:

Grades.	Price Per Bu.	Sow Per Acre.	Cost Per Acre.
Iowa Shield Brand.....	\$7.50	10 lbs.	\$1.25
Iowa Standard Brand.....	6.75	12 lbs.	1.35
Ordinary Grade .....	5.75	16 lbs.	1.54
Low Grade .....	4.75	25 lbs.	1.97

**CLEAN SEEDS.**

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 re-clean 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 \$1.00 to \$2.00 per bushel more than that obtained from most dealers. 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.

**IOWA SHIELD BRAND SEEDS.**

The farming lands of Iowa and the west are increasing so rapidly in value that in order to make farming profitable it is necessary to have the purest and best seed possible. Fully realizing the importance of first-class seed we take great pains to secure the choicest seed obtainable, and this year we have spent considerable time and money searching among the best seed growers and secured some lots of exceptional purity and value. These we have thoroughly re-cleaned, tested and carefully inspected under the microscope for foul weeds, and to distinguish them from all ordinary grades, we call our best grade the "Iowa Shield Brand." It is shipped in sealed and branded bags.

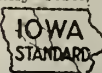
**WHAT THE MICROSCOPE REVEALS.**

Few farmers realize the large per cent of impurities contained in the ordinary grades of clover and grass seeds. In 1906 the Iowa clover crop was a failure and large quantities of seed were shipped in from the east. The State Botanist at Iowa Agricultural College analyzed 130 samples and almost every sample was full of bad weed seeds; 21 of the samples contained Canada Thistle, 93 contained Buckhorn and 10 contained Dodder. One sample contained 10,304 weed seeds to the pound, including 14 varieties, besides the dirt, sand, trash and dead clover seed. **You cannot afford to sow such seed on your land.** You cannot afford to buy the imported nor eastern seeds as it would cost you too much to exterminate their bad weeds.

**OUR IOWA SHIELD BRAND** of Clover, Timothy and other seeds is strictly new crop of exceptional purity and has been thoroughly re-cleaned on the best electric seed cleaning apparatus made. It is plump, nice seed, carefully tested and proven to be of strong germinating qualities. It is sure to produce vigorous, healthy plants and an exceptionally good crop if the weather and soil conditions are not unfavorable. It pays to sow the best seeds obtainable and our Iowa Shield brand is, we are sure, superior to any other.

**A WARNING:** During the past few years immense quantities of low grade, impure and adulterated clover containing the most noxious weed seeds have been imported from Europe, Canada and Chili and shipped to the farmers of this state. In some cases where samples have been sent to the Department of Agriculture reports show that the seed contained Canada Thistle, Dodder, Wild Mustard, etc., and farmers burned the seed instead of sowing it.

The Iowa Pure Seed Law prohibits all Iowa dealers from selling such seed, but it does not prevent dealers in other states shipping in the vile stuff. It won't pay you to run any risk, so be sure to buy direct from the Iowa Seed Co.



Our Iowa Standard grade clover, timothy and other seeds is really a choice grade, fully up to requirements of the Iowa Pure Seed Law in purity and vitality, and is, we believe, as good seed as you could obtain from most dealers, but it is not equal to our Iowa Shield Brand.

**PRICES:** Clover and Grass seeds are sold on a very close margin of profit and the market value is changing almost daily, and we are unable to make prices which will be invariable. **Don't fail to write for prices before buying.** We issue a price list each week from January to 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 (December 4th). We prepay postage at the 1 and 3 pound rate; larger quantities shipped at purchaser's expense. Trial packets of any variety at 5 cents each.

**You Run No Risk** when you purchase our "Iowa Shield" Clover and Grass Seeds, for if not satisfactory on receipt and examination you may return them and money paid will be refunded. You can also test them yourself if you desire. Of course we do not guarantee them to grow or produce a perfect crop as we have no control over the manner of sowing or weather conditions but do our best to have everything first-class.



**TIMOTHY.**

seed per acre. Per bu. 25c, 3lbs. 60c, postpaid. Ask for prices in quantity.

**BROMUS INERMIS.**—Most valuable new grass; used everywhere, from Canada to Texas, giving satisfaction. Will produce a wonderful crop of hay on land too poor for clover or timothy, and resists intense cold, and the most hot, dry weather. Forms a quick, dense sod and is a permanent grass. It grows 18 to 36 inches high and can be cut two or three times a year. Sow early in spring, using 20 to 25lbs. per acre, if sown alone, or if with alfalfa use 12lbs. with 8lbs. alfalfa. Per lb. 30c, 3lbs. 75c, postpaid. By frt., per bu. (14lbs.) \$2.50, 5 bu. or more at \$2.25.

**ITALIAN RYE GRASS.**—An annual variety which will give a large crop the first year. Sow 20 lbs. per acre. Per lb. 30c, 3lbs. 75c, postpaid. By freight, per bu. (14 lbs.) \$1.85, 5 bu. or more at \$1.70.

**PERENNIAL RYE GRASS.**—Or English Rye Grass.—A nutritious permanent grass for meadows and pasture or for mixing with other grasses for lawn.



**BROMUS INERMIS.**

It is also well adapted for permanent meadows; yields large quantities of very nutritious hay. Sow 20lbs. per acre. Per lb. 30c, 3lbs. 75c, postpaid. By freight, bu. (14lbs.) \$1.75, 5 bu. or more at \$1.60.

**KENTUCKY BLUE GRASS.**—Fancy Cleaned.—Very valuable and popular as a permanent pasture grass. It is productive and unusually early in spring, furnishing delicious food for all kinds of stock. Unexcelled for lawns. Our seed is all new crop, Kentucky grown and "fancy cleaned." Sow 14lbs. per acre for pasture, or 50 to 100lbs. for lawns. Per lb. 35c, 3lbs. \$1.00, postpaid. By freight, bu. (14lbs.) \$2.50, 5 bu. or more at \$2.25.



**KY. BLUE GRASS.**

**"IOWA SHIELD" KENTUCKY BLUE GRASS.**—We pride ourselves on this extra choice grade, which is of such unusual purity and high germination that it is of special value for lawns. Per lb. 35c, 3lbs. \$1.00, postpaid. By freight, bu. (14lbs.) \$3.00, 5 bu. or more at \$2.85.



## GRASS SEEDS--Continued.



SHEEP'S FESCUE.

**SHEEP'S FESCUE.**—Is suited to light, sandy soil, and dry uplands or hill-sides. It is deep rooted, and not affected by extreme drouth. Sheep are especially fond of it. Sow 14 pounds per acre. Per lb. 35c. 3lbs. \$1.00, post paid. By freight, per bu. (14lbs.) \$2.35, 5 bu. or more at \$2.20.



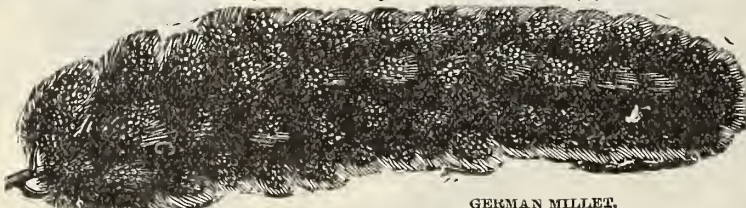
MEADOW FESCUE.

**WATER, OR FLOATING MEADOW GRASS.**—For wet soils, marshes and lands which occasionally overflow. Per lb. 50c. 3lbs. \$1.35, postpaid. By freight, per bu. (14lbs.) \$4.75, 5 bu. or more at \$4.50.

**HARD FESCUE.**—Is emphatically a grass for dry lands, doing well on sandy and shallow silicious soils. It is exceedingly hardy and withstands extremes of heat, cold and drouth. Per lb. 35c. 3lbs. \$1.00, postpaid. By freight, per bu. (14lbs.) \$2.25, 5 bu. or more at \$2.10.

**TALL MEADOW OAT-GRASS.**—For hay or permanent pasture a most valuable grass. Successfully grown in all parts of the country. Grows tall, therefore desirable for meadow. Does not winter-kill. Per lb. 35c. 3lbs. \$1.00, postpaid. Frt., bu. (14lbs.) \$3. 5 bu. or more at \$2.75.

**RHODE ISLAND BENT.**—Used for particularly close, heavy turf. Per lb. 50c. 3lbs. \$1.25, postpaid. By frt., bu. (14lbs.) \$4, 5 bu. at \$3.75.



GERMAN MILLET.

## MILLETS.

There is nothing like millet to cover up shortage in your hay crops. Can be sown the middle or end of July and makes a valuable catch crop. Grain bags included. Prices quoted subject to market changes.

**GERMAN MILLET.**—Matures about two weeks later than common millet. It grows 4 to 5 feet high, yielding an abundance of leaves; heads closely condensed; spikes very numerous; seeds round, golden yellow, in rough sheaths. Sow one bushel to the acre. Our "Iowa Standard" Brand will be found very desirable. Per lb. 20c. 3lbs. 50c, postpaid. By freight, pk. 50c. bu. (50lbs.) \$1.60, 5 bu. or more at \$1.50.

**SIBERIAN MILLET.**—Frequently called Red German Millet. Resembles German Millet in manner of growth and productiveness. Earlier and seed is mixed red and yellow. Per lb. 20c. 3lbs. 50c. By freight, pk. 50c. bu. (50lbs.) \$1.60, 5 bu. or more at \$1.50.

**IOWA SHIELD GERMAN MILLET.**—This is an extra fancy grade of the true southern grown German Millet of the Tennessee or cultivated strain. The seeds are round and "shotty" The heads are very large, borne on a strong, vigorous, very leafy plant and produces a much heavier crop than the ordinary stock. Per lb. 25c. 3lbs. 60c, postpaid. By frt., pk. 60c. bu. (50lbs.) \$1.75, 5 bu. or more at \$1.65.

**COMMON MILLET.**—Best quality. Preferred by some to German. By freight, per pk. 50c. bu. (50lbs.) \$1.50, 5 bu. or more at \$1.40.

**HUNGARIAN.**—Popular in some sections. Pk. 50c. bu. (50lbs.) \$1.65.

**JAPANESE MILLET.**—(Panicum crus-galli)—A distinct variety called by one seedsman the "Billion Dollar Grass." Especially valuable for the north. Yields an enormous crop of forage, which is greatly relished by stock. When cured makes an excellent hay. Sow seed broadcast 15lbs. to the acre, or drills 12 to 18 in. apart, using 10 to 12lbs. per acre. Per lb. 30c. 3lbs. 75c, postpaid. By freight pk. 85c. zu. (50lbs.) \$2.75, 5 bu. or more at \$2.65.

**PEARL MILLET.**—Entirely different from ordinary millet; an immense fodder yielder, of tall growth, highly recommended by the U. S. Dept. of Agriculture for the south. Pkt. 5c. lb. 25c. 3lbs. 70c. By freight, 10lbs. (for one acre) \$1.25, 100lbs. \$8.50.

**MANITOBA MILLET.**—Hog or Broomcorn Millet. Best for withstanding drouth. Two weeks earlier than German. Lb. 20c. 3'bs. 50c. Frt., pk. 65c. bu. (50lbs.) \$2, 5 bu. or more at \$1.85.

**ORCHARD GRASS.**—A valuable grass for pasture or hay land, and on account of its earliness very valuable for permanent pastures. It furnishes the first green bite in the spring and the last in the fall, and is quick to recover from close cropping, and even thrives better the more it is cropped. Suited to shady places, orchards and groves. Sow 15lbs. per acre. Per lb. 35c. 3lbs. \$1.00, postpaid. By freight, bu. (14lbs.) \$2.65, 5 bu. or more at \$2.50.

**MEADOW FESCUE, or English Blue Grass.**—Succeeds well in almost all soils, from high, dry land to moist, standing the heat excellently. It is valuable as a pasturage grass, being one of the earliest in the spring and latest in the fall. It is very nutritious. Per lb. 40c. 3lbs. \$1.10, postpaid By frt., bu. (14lbs.) \$3.00, 5 bu. or more at \$2.75.

**CREeping BENT GRASS.**—Of special value for pasture and low ground. Starts early, deep rooted and valued for holding sloping ground or terraces. Sow 15lbs. per acre. Per lb. 40c. 3lbs. \$1.10, postpaid. Frt., bu. (14lbs.) \$3.50, 5 bu. or more at \$3.25.

**MEADOW FOXTAIL.**—A fine grass for permanent pasture. Its growth resembles timothy. Sow 14lbs. per acre. Per lb. 50c. 3lbs. \$1.35, postpaid. By freight, bu. (14lbs.) \$4.25, 5 bu. or more at \$4.

**RED TOP.**—A very hardy native perennial grass which succeeds best on moist land. It remains green for the greater part of the year. In the east it is one of their principal sorts, but it is not so highly valued here. Fancy cleaned or solid seed. Per lb. 40c. 3lbs. \$1.00, postpaid. By freight, per bu. (14lbs.) \$3.00, 5 bu. or more at \$2.75.

**BERMUDA GRASS.**—Most valuable grass for the south; withstands heat and drouth wonderfully. Valuable for hay and pasture and unsurpassed for lawns in the south, as it runs over the ground, forming a dense turf. Sow 8lbs. per acre. Per lb. \$1.00. 3lbs. \$2.75, prepaidd; 5lbs., not prepaidd, at 65c.

**RED FESCUE.**—For meadows or pastures on dry, hard or sandy soils. It is very hardy, a true perennial, growing about 1 to 2½ feet high. Per lb. 35c. 3lbs. \$1.00, postpaid. By freight, per bu. (14lbs.) \$3.25, 5 bu. or more at \$3.00.

**WATER FESCUE.**—A perennial grass with long, creeping roots, which is desirable for sowing on low, wet ground, in shallow ponds, beside lakes, rivers, etc. Per lb. 50c. 3lbs. \$1.25, postpaid. By freight, per bu. (14lbs.) \$4.50, 5 bu. or more at \$4.25.

**CREsted DOGSTALL.**—For permanent pastures, especially on high land and hard, dry soils and hills; very hardy, little affected by extreme drouth or cold. Per lb. 50c. 3lbs. \$1.35, postpaid. By frt., bu. (14lbs.) \$4.75, 5 bu. or more at \$4.50.

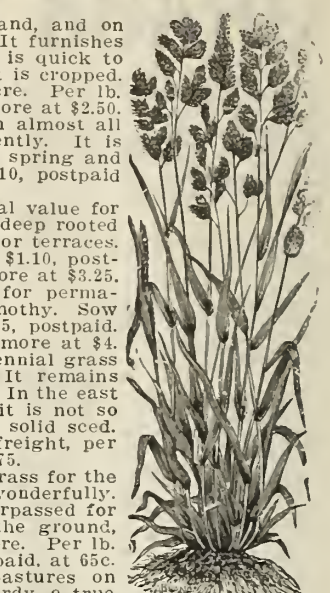
**WOOD MEADOW GRASS.**—Invaluable for wooded pastures or shaded ground, and should be in all mixtures for permanent pastures, especially in shady places. Sow 20 pounds per acre. Per lb. 60c. 3lbs. \$1.50, postpaid. By freight, per bu. (14 lbs.) \$6.50, 5 bu. or more at \$6.25.

**MEADOW SOFT GRASS.**—Although not of high feeding value, it is very valuable for low, soft, spongy places, where other grasses don't succeed. It is very productive, a hardy perennial, 13 to 20 inches high. Per lb. 35c. 3lbs. \$1.00, postpaid. By frt., per bu. (14lbs.) \$2.50, 5 bu. or more at \$2.25.

**SWEET VERNAL.**—Valuable on account of delicious perfume; when included in hay its aroma is imparted to other grasses, enhancing the value of the hay, and making it relished by stock. Per lb. 35c. 3lbs. 85c. By frt., bu. (14lbs.) \$2.20, 5 bu. or more at \$2.00.



TALL MEADOW-OAT.



ORCHARD GRASS.



SWEET VERNAL.



# CLOVER SEED.

The clovers are beyond comparison of the greatest importance to agriculture, not only on account of their great value for pasture and hay production but because their cultivation adds so greatly to the fertility of the soil, enriching it in nitrogen and restoring it when exhausted by frequent cropping. It is impossible to secure the best results from any farm without clover and therefore the main question to decide is which variety will be best adapted to your purpose and do the best on your land. All plants need nitrogen, but only a few kinds, such as clover (all varieties), peas and beans, have the power of collecting nitrogen from the air and storing it in their roots, so, no matter if you cut two or more crops of hay per year the nutriment in the root adds immensely to the fertility of the soil. The crop in Iowa is excellent this year and we have a quantity of new crop, plump, clean seed of high vitality which would please you. The demand for our "Iowa Shield" Brand (formerly called Anchor Brand) clover is increasing rapidly in various parts of the country. The sale is sure to be large this year and we would advise an early order if you want any of our Iowa Shield clover seed.

**PRICE.**—The market is changing constantly and as this part of the catalogue goes to press in November it is impossible to state the price which clover seed will sell at in the spring. We therefore quote price only in small lots. Please ask for a copy of our **Special Clover Circular** and prices when ready to buy.

**MEDIUM RED CLOVER.**

—This is the most important of all clovers and the standard everywhere for hay and pasture. It is known as Common Red or June Clover in many sections. Our Iowa grown clover seed has become widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooing qualities, so that now we receive many orders from the most distant parts of the United States. Well posted farmers are beginning to appreciate the difference between it and ordinary stock. Our "Iowa Shield" grade is the plumpest, cleanest, purest, fanciest grade; tested and of high vitality. Farmers usually sow 15 to 20 pounds of clover seed to the acre when sown alone, but this seed is so choice that 6 or 7 pounds is really sufficient if conditions are favorable, but we recommend sowing 10 pounds so as to be sure of a perfect stand. About 5 pounds, if sown with timothy. Per pound 30c, 3 pounds 85c, postpaid. Ask for price by bushel.

**MAMMOTH RED CLOVER.**

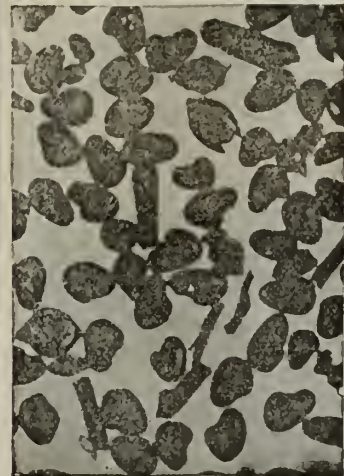
—Also called Sapling or Pea Vine Clover. This greatly resembles the Medium Red, but is of much taller and more vigorous growth. Nothing equals it for hog pasture as it will produce an enormous yield and is of the highest feeding quality. It gives quick results, making an unequalled crop, and is usually considered a permanent pasture grass. If your soil is poor and needs enriching there is no fertilizer as cheap and good as sowing Mammoth clover and plowing the crop under. Per lb. 35c, 3 lbs. 90c, postpaid. Ask for price in quantity.

**JAPAN CLOVER.**—Grows freely on poor soil. Not a true clover. Per lb. 60c, 3 lbs. \$1.50, postpaid; 5 lbs. or more by frt. at 40c.



ALFALFA CLOVER.

Per lb. 30c, 3 lbs. 80c, postpaid. By freight, peck \$1.90, bushel \$6.75.



ORDINARY CLOVER.

As it comes from the huller, full of weed seeds, trash and sand. If you buy low grade seed, you not only risk filling your land with weeds but you are also paying for each pound of weed seed and trash.

**ALFALFA, or Lucerne Clover.**

—Very popular in many portions of the country. Under proper management it will yield from ten to twelve tons to the acre. All classes of stock are exceedingly fond of it. The roots are so long and grow so deep frost cannot heave or throw them out in winter. One sowing will stand for twenty years, and instead of impoverishing the soil, enriches it. Grows on the thinnest, sandy soil and thrives in the greatest drouth. Per lb. 35c, 3 lb. 90c, postpaid. Ask for price in quantity.

**TURKESTAN ALFALFA.**

—This new variety was sent out by the Department of Agriculture five years ago and has given excellent satisfaction. More hardy than the ordinary variety, having stood a temperature of 45 degrees below zero when ground was bare. It makes large top growth; also fine root growth. Per lb. 35c, 3 lbs. \$1.00, postpaid. Ask for price per bushel.

**ALSIKE CLOVER.**

—Unequaled for hay and we cannot too strongly recommend to our customers. It is hardy, even in northern Minnesota, and is the only variety which will produce a good crop and not kill out in low, wet land. The hay is finer and better than any other, therefore of special value for sowing with timothy. Height 18 to 24 inches, and has round pink or flesh-colored heads. Seed is small and it requires only 8 pounds per acre or half that quantity if sown with timothy. Per lb. 30c, 3 lbs. 85c, postpaid. Ask for price per bushel.

**WHITE DUTCH CLOVER.**

—Desirable in pasture mixtures. Also used largely for lawns. It is the most hardy of any variety of clover, is of a creeping habit. Desirable for sowing on terraces and sloping grounds. Our best "Iowa Shield" grade, which is extra bright and fine. Sow 5 lbs. per acre. Per lb. 45c, 3 lbs. \$1.25, postpaid. By freight, pk. \$3.25, bushel \$12.00.

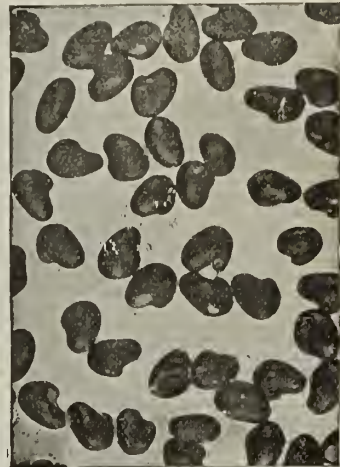
**CRIMSON CLOVER, also called Giant Incarnate.**

—This is an annual variety. The yield in fodder is immense, and after cutting it at once commences to grow and continues until severe freezing weather and makes good hay. Sow in April or May, 20 pounds of seed per acre. The only objection



**MICROSCOPE.**

—Examine your own Seed.—This is a double lens, high power microscope; solid brass mountings; valuable aid in the examination of grass, clover, and other seeds. Each by mail 50c, postpaid. With other goods by freight or express, 40c.



SHIELD BRAND CLOVER.

Notice the plump, perfect shaped grain and freedom from weeds. You cannot secure better seed, no matter what you pay for it, and it costs but little more. It always pays to sow the best.



ALSIKE CLOVER.

IF ANY SEED ORDERED FROM US IS NOT SATISFACTORY, RETURN IT AT ONCE AND WE WILL REFUND YOUR MONEY.



## Permanent Grasses

Most of our western farmers have not yet learned that a pasture or meadow of mixed grasses is far superior to clover and timothy alone. All authorities agree that for both pasture and hay, best results are obtained from the use of grass seed in mixture. The reasons are that: First: A number of species will insure a much denser growth than the same number of seeds of one or two species, and prove less exhausting to the soil, since they live to a large extent on different constituents. Second: Seasons that affect some grasses adversely are favorable to other sorts; so that with mixtures a failure is practically impossible, provided of course, the seed is good. We take great pains in selecting grass seed in order to secure the highest germination, and our mixtures are based on a full appreciation of the requirements of the different soils for which they are intended. We have made a study of this subject and have grass specialists in our employ and can furnish the seed of the best varieties of grasses mixed in proper proportions for any soil or climate. Please read carefully the descriptions of the various kinds of grasses, and remarks below on sowing grass seeds, and don't be content to follow the old way your father and grandfather did; but adopt new methods, sow improved varieties and double your crop.

### WHEN AND HOW TO SOW GRASS SEED.

The most rapid way of obtaining a grass crop is to sow the seed early in the spring by itself, without any grain or nurse crop, as the young grass plants are in no way protected by the grain, and when this is cut the young clover and grass are very tender. The cutting of the so-called nurse crop suddenly exposes the young grass at the hottest time of the year, and there is danger of its being burned out, while when 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, and it should not be covered very deep, the natural covering which may take place after a shower of rain is sometimes sufficient. However, it is best and more certain to lightly harrow it in. The pressure of a common farm roller on clover and grass seed covers the same slightly, and is one of the best means to assure quick and even germination of the seed.

### PERMANENT MEADOW MIXTURES.

Will make the best quality hay as the mixture contains such grasses as produce a heavy growth and mature together. We send out the No. 1 mixture when not otherwise ordered as it is adapted to medium or average soils. Sow about 22 lbs. (1½ bu.) per acre; or for top seeding 10 to 15 lbs.

**NO. 1—FOR MEDIUM SOILS.**—Contains Meadow Fescue, Perennial Rye Grass, Italian Rye, Orchard Grass, Tall Meadow Oat, Timothy, Red Clover, Alsike, Sweet Vernal, etc.

**NO. 2—FOR HIGH, DRY LAND LIGHT OR GRAVELLY SOILS.**—Contains Sheep's Fescue, Alfalfa, Hard Fescue, Perennial Rye Grass, Meadow Fescue, Timothy, Kentucky Blue Grass, Sweet Vernal, etc.

**NO. 3.—FOR HIGH DRY LAND, HEAVY OR CLAY SOILS.**—Contains the same as above with the addition of Orchard Grass, Crested Dogstail and Bromus.

**NO. 4.—FOR MOIST AND RICH SOIL, OR LAND SUBJECT TO OVERFLOW.**—Contains Water Meadow Grass; Meadow Foxtail, Perennial Rye Grass, Meadow Fescue, Red Top, Meadow Soft Grass, Alsike, Clover, etc.

**NO. 5. FOR TOP SEEDING SWAMPS, MARSHES, ETC.**—(Sow 10 lbs. per acre.) Contains much the same as above in different proportions. **PRICES** Any of the above Permanent Meadow Mixtures, per lb. 40c 3 lbs. \$1.00 postpaid. By freight, not prepaid, per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

### 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 about 22 lbs. (1½ bu.) per acre, or for top seeding, half the amount.

**NO. 6.—FOR MEDIUM SOILS.**—Contains Kentucky Blue Grass, Meadow Fescue, Perennial Rye Grass, Orchard Grass, Tall Meadow Oat Grass, Hard Fescue, Alsike Clover, White Clover, Timothy, Red Clover,

**NO. 7. FOR HIGH, DRY, GRAVELLY SOILS.**—Contains Sheep, Fescue; Hard Fescue, Creeping Bent, Bromus Inermis, Crested Dogstail, Meadow Fescue, Timothy, Kentucky Blue Grass, White Clover, etc.

**NO. 8.—FOR HIGH, DRY, HEAVY OR CLAY SOILS.**—Contains much the same as above, mixed in different proportions, with the addition of Alfalfa and Orchard Grass.

**NO. 9.—FOR MOIST AND VERY RICH SOILS.**—Contains Perennial Rye Grass, Water Meadow Grass, Water Fescue, Meadow Foxtail, Orchard Grass, Meadow Soft Grass, Tall Meadow Oat Grass, Alsike, etc.

**NO. 10.—FOR ORCHARDS, WOOD PASTURES AND SHADY PLACES.**—Contains Wood Meadow Grass, Kentucky Blue Grass, English Blue Grass, Meadow Foxtail, Sweet Vernal, Red Clover, Alsike, etc.

**PRICES** Any of above Permanent Pasture Mixtures per lb. 40c, 3 lbs. \$1.00 postpaid. By freight per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

# OUR SPECIAL GRASS MIXTURE

## FOR HAY AND PERMANENT PASTURES.



OUR MEADOW MIXTURE COMPARED WITH ORDINARY GRASS CROP.

### 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 varieties, will cover the ground and furnish grazing until late in the fall. Consists of the best varieties of Clover and grass seed, as Red Clover, Alsike, Orchard Grass, Rye Grass, Tall Meadow Oat, Meadow Foxtail, English Blue Grass, Kentucky Blue Grass, etc. It is a special mixture which will please everyone. Sow 20 lbs. per acre on ordinary soils. Per lb. 40c, 3 lbs. \$1.00 postpaid. By freight, per bu. (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

### SHEEP PASTURE MIXTURE.

Everyone who keeps sheep should sow this mixture. It will grow well on high, dry, poor soil, and also on good ground; is drought resisting and endures close cropping. Contains Sheep's Fescue, Hard Fescue, Red Fescue, Creeping Bent, Crested Dogstail, Bromus Inermis, Meadow Fescue, White Clover, etc. Sow 25 lbs. per acre. Per lb. 40c, 3 lbs. \$1.00 postpaid. By freight per bushel (15 lbs.) \$3.25, 2 bu. or more \$3.00.

### QUICK RESULT PASTURE.

Not permanent, but when sown early will give a full crop of hay and good pasture until late in the fall. Desirable for both cattle and hogs. Contains Italian Rye Grass, English Rye Grass, Meadow Fescue, Timothy, Crimson Clover, Mammoth Red Clover, Tall Meadow Oat-Grass, etc. Sow 15 lbs. per acre. Per lb. 40c, 3 lbs. \$1.00 postpaid. By freight per bushel, (15 lbs.) \$3.00, 2 bu. or more at \$2.75.

### PERMANENT HOG PASTURE.

Ready to use the first year and many years thereafter. Will fatten the hogs quickly and keep them in good health. Much superior to a corn diet for them and helps keep hog cholera and similar diseases away. Contains Perennial Rye Grass, Orchard Grass, Italian Rye Grass, Clover Timothy, Red Top, etc. On any ordinary soil sow 15 lbs. per acre. Per lb. 40c, 3 lbs. \$1.00 postpaid. By freight per bu. (15 lbs.) \$3.00, 3 bu. or more at \$2.75.

**LARGE ORDERS** If you desire to purchase a large lot of seed of any kind be sure to send list and let us quote special prices. Our orders range from 5 cents upward, but we are not afraid of big orders. Our largest retail order was for \$1,370.00 worth of seeds, another customer's purchases amounted to \$1,487.33 during the season, but it was divided up into several orders. Both were perfectly satisfied. W. P. Turner, of Pennsylvania who bought seeds of us to the amount of \$1,397.54, wrote us in the fall: *All the seed has given perfect satisfaction.*

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

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

Your Hog Pasture Mixture made a good stand and I was satisfied with the results.—George Wendel.

The seeds you sent us are indeed more than you claim for them. The timothy is fresh and clean; clover seed the cleanest I ever saw tested under a microscope. Please accept my thanks for honorable treatment.—John Niceman, Dodge County, Neb.

All the seeds purchased of you have given good satisfaction. In particular your clover grass mixture No. 10 has given good results. I shall send down more ground with this mixture next spring.—John U. Hunziker, H—, Neb.

OUR "IOWA SHIELD" BRAND GRASS MIXTURES ARE OF HIGHEST QUALITY.



**LAWN GRASS SEED.**

*"Thank God for Grass! No other Glory vies  
With the fresh, young glory of the grass;  
Not even the blue of a clear bending sky,  
Nor fading splendors when 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 flowering plants and elegantly arranged beds 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 and seldom satisfactory. When sod is cut from the roadside or some out of the way pasture, it is poor in quality and full of weeds, and when unevenly laid produces a rough surface which disfigures the lawn. It costs much less to sow the seed and the lawn is far better. Ask for circular, "How to Make a Lawn."



*Des Moines, Iowa, Feb. 1.*—During the past summer thousands of persons have admired the beautiful velvety green lawns at our city parks, 489 acres, and we are pleased to say that they were produced by sowing grass seeds furnished by the Iowa Seed Company, of this city.—E. J. Fairall, Sec'y Board of Park Commissioners.

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, 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 (in about two weeks after seed is sown) and after once up it soon spreads to cover the ground and is ready for the lawn mower in six or eight weeks. It is permanent, maintaining its beauty for a life-time, although it is a good plan to give any lawn a topseeding once every two or three 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 lb. (will sow 400 square feet) 45c; 3 lbs. \$1.25, postpaid. By freight, per bu. (15 lbs.) \$3.50, 2 bu. or more at \$3.25.

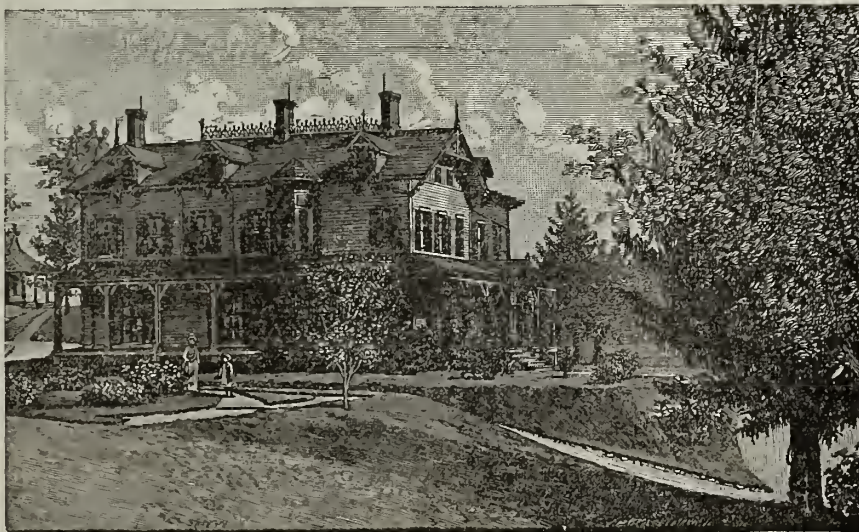
TERRACE LAWN MIXTURE.—It is sometimes difficult to get a good sod on sloping ground, terraces, side hills or embankments. This is a mixture of such grasses as have strong spreading roots, making a close turf which heavy rains cannot wash out easily. On new lawns sow some oats also to prevent washing until grass gets started. Per lb. 50c, 3 lbs. \$1.35 postpaid. By freight per bu. (15 lbs.) \$4.00.

CENTRAL PARK LAWN GRASS.—A very fine mixture for lawns, but is of special value for parks and around country homes where it is not convenient to mow the lawn frequently. It contains some fragrant grasses which give out a delightful odor both when growing or when cut. It is the grass for country homes, parks and large estates and for this purpose sow about 50 lbs. per acre. Per lb. 40c. 3 lbs. \$1.00 postpaid. By freight bu. (15 lbs.) \$3.00; 2 bu. or more at \$2.75.

**Make Your Place  
Look like Home  
This Year by Fixing up  
a Good Lawn.**

SHADY PLACE LAWN MIXTURE.—This mixture is a combination of fine, dwarf-growing, evergreen varieties of grass which grow naturally in the woods or in shaded spots. They are mixed in proper proportions to make a fine lawn under shade trees. Sow seed thickly 1 quart to 150 square feet. Per lb. 50c. 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.) \$4.25.

GOLF LINK MIXTURE.—This is a mixture of various sorts of fine grasses which when liberally sown will produce a fine green sward. They grow vigorously when cut close, form a fine mass of interlacing roots, and also differ in their seasons of maturity, so that a succession of fresh growths is secured from early spring to the latest fall. Per lb. 50c 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.) \$4.00.



PUTTING-GREEN MIXTURE.—A mixture of extra fine grasses that will make a close, firm, green and lasting turf, improves the more it is tramped. Per lb. 50c, 3 lbs. \$1.35, postpaid. By freight, bu. (15 lbs.) \$4.50.

SWEET VERNAL. A very fragrant grass and everyone should sow a little of it in mixture with other kinds as it exhales a pleasant aroma when lawn is cut. Per lb 35c 3 lbs 85c postpaid

KENTUCKY BLUE GRASS, "Iowa Shield" Brand.—Our stock of this is the best grade of fancy cleaned new crop tested seed. The crop this year was very short and prices may advance before spring. Lb. 35c, 3 lbs. for \$1.00 prepaid. By freight, (14 lbs.) \$3.00, 5 bu. or more at \$2.80.

WHITE CLOVER, "Iowa Shield" Brand.—The well known common white clover is very hardy and its dwarf growth makes it desirable for lawn mixtures. Its close dense turf and creeping habit make it desirable for terraces and sloping ground. Seed is very small and requires but little in mixtures. Lb. 45c, 3 lbs. \$1.25 postpaid. By freight, peck \$3.25, bushel (60 lbs.) \$12.50.

SOUTHLAND LAWN MIXTURE.—In the southern states there is frequently trouble to secure a lawn. This mixture is made of Southern Blue Grass, Bermuda Grass and other varieties adapted to a hot, sunny climate. Together they make a nice bright lawn the year round. Per lb. 50c, 3 lbs. \$1.35 postpaid.

**LAWN FLOWERS**

LAWN FLOWER MIXTURE.—Nothing looks more beautiful than a variety of pretty little dwarf growing flowers blooming on the lawn and we have therefore prepared this mixture which we believe will be just what is desired. It consists of low growing, quick blooming flowers very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter for grass seed and will bloom by time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Price per ounce package only 25c.

**BEAUTIFY THE HOME PLACE.**

"Leave the World More Beautiful Than You Found It."

The charm of any home place is in the lawn, trees and shrubbery. The finest, most expensive mansion looks dreary and like a forsaken castle if the grounds surrounding it are not properly planned and cared for, while, with a comparatively small expenditure of time and money for lawn and shrubbery, it might be made surpassingly beautiful. If you do not employ a landscape architect let us suggest that you at least take time to carefully plan your place. Do not try to plan it in ten minutes; if you employ a landscape architect you would expect him to take time sufficient to consider well where each tree, shrub and vine should be located.

The lawn should be the basis of all arrangements in the nature picture which you are preparing. The best lawns are made by sowing seed. Select for the borders at least, hardy shrubs and plants which will be permanent. Our list of these is quite complete. See plant department.

Last spring we purchased from you a quantity of mixed lawn grass seed for use on the College campus. The results were satisfactory to us. Our lawn was very attractive throughout the entire year. C. C. REARICK, President Highland Park College.



Roots of Grass Showing need of fertilizer.



Root of Grass Showing the effect of using Peerless Lawn Dressing

**FOR PERMANENT IMPROVEMENTS PLANT SOME HARDY ROSES AND FLOWERING SHRUBS,**



# SEED POTATOES

"The Proof of the Potato is in the Eating"

**PRICES** on potatoes frequently change as the market advances or declines. If you want a quantity write us for special quotations.



PROSPERITY

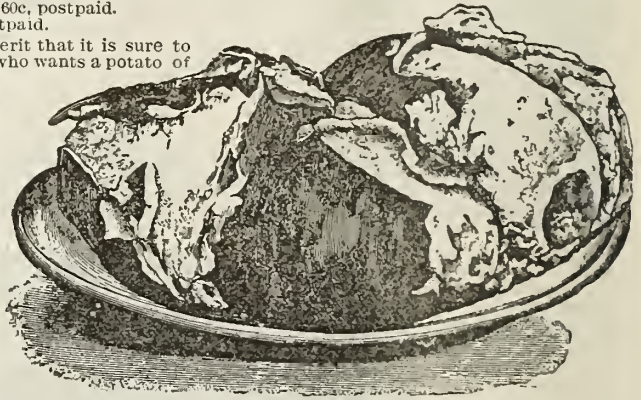
weather permits. Prices are subject to important market changes, and it now looks as though values would be considerably higher. Ask for quotations on large lots.

**POUND PRICES**—All varieties, except where quoted, 25¢ per lb., 3 lbs. 60¢, postpaid. Read T. B. Terry's new book, "A B C of Potato Culture," Price 40¢, postpaid.

**EARLY PROSPERITY**.—An extra early sort that is of such superior merit that it is sure to at once take a front place with market gardeners as well as with everyone who wants a potato of first-class quality which will mature very early. It is a seedling which we offered last year for the first time and in it we have by far the earliest white potato that we have ever seen. While it is not so much earlier than our White Triumph, still it is much larger, of better quality and does well on soils which do not seem favorable to the Triumph. It is of very strong, vigorous, healthy growth appearing to be entirely blight proof. The tubers are of oval shape, slightly flattened, smooth, white skin and few eyes. They cook well even when small and are white, floury and of excellent flavor. Summing it all up it is as early as any potato on our list, of handsome shape and color and unsurpassed for table use. Per pk. \$1.00; bu. \$3.00.

**WHITE PLUME**.—This grand new variety is offered for the first time. We are sending it out with confidence in its future and believe it will take the lead in the list of early potatoes. The originator claims it is two weeks earlier than the Early Ohio and that it produces nearly double the number of bushels per acre than does that standard sort. We are prepared to say that it will yield more tubers and that it is earlier than the Ohio and in addition to these advantages it is smooth, and entirely free from scab which renders the Ohio objectionable for continuous planting. The shape is rather long and pointed, and the tubers are slightly flattened, and of clear, white, without shade of other color and we believe its appearance will make it a most popular market sort. There has been a demand for a good early potato for many years, nearly every one of the varieties now grown for early market having some objectionable feature, badly and a few have deteriorated, so that there is need of a new variety like the new White Plume. Per peck \$1.00. 1 bu. \$3.00.

**EXTRA EARLY OHIO**.—**Fa-ry 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 proved 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—the most popular of all. They are all of good, average size, strictly pure, smooth and free from scab or rot, and outyield other early sorts. It is an especial 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. They will



WHITE PLUME.

Some sorts are of poor shape, some objectionable in color, others scab which will prove a dependable sort and we think we have provided it in

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. Also desirable for late planting as they keep well for winter and spring use. Pk. 65¢, bu. \$2.00, 5 bus. or more at \$1.75.

**EARLY WHITE OHIO**.—There is a great demand now in many markets for a white potato, and even the good old standard Early Ohio has to suffer because of the color of its skin. Here we have, however, a genuine Early Ohio identical with the old variety in every way except in the improved color. It is of quick, vigorous growth, making many tubers which are compact in the hill, and has produced a crop of **2 500 bushels on five acres** in this state. Per pk. 65¢, bu. \$2.00, 5 bu. or more at \$1.75.

**EARLY WHITE TRIUMPH**.—For some sections this has proved to be the earliest and best of all varieties. In shape it resembles the Bliss Triumph, but is of better color, yielding a large crop of fair sized nice shaped tubers. Has won prizes at the Iowa State Fair and elsewhere. Pk. 85¢, bu. \$2.50.

**BLISS TRIUMPH**.—Most desirable variety for the south and is there considered the earliest potato in existence, equalled only by our new Early White Triumph. A handsome round variety which matures 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 deep pink color. For several years it has been the most popular variety in the southern states, and hundreds of carloads are shipped to the northern markets and bring fancy prices. Not so desirable for main crop or northern growing. Per pk. 60¢, bu. \$1.75, 5 bu. or more at \$1.50.

**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. Pk. 50¢, bu. \$1.50, 5 bus. or more at \$1.25.

**ROSE OF THE NORTH**.—An improvement on the old Early Rose which has been grown on the virgin soil of the far north. It is very early, being only a trifle later than the Early Ohio and much larger. Is smooth and of handsome rose color. Quality superb, either baked or boiled and yields immensely. Keeps sound and fresh well into the spring. Pk. 60¢, bu. \$2.00, 2 bu. or more at \$1.75.

Your seeds always give good results. The seed potatoes last year exceeded all expectations and gave an enormous yield of fine, large sized potatoes, some weighing 22 ounces each.

J. J. LEMON, Tacoma, Wash.



EXTRA EARLY OHIO, (Grown in Red River Valley)

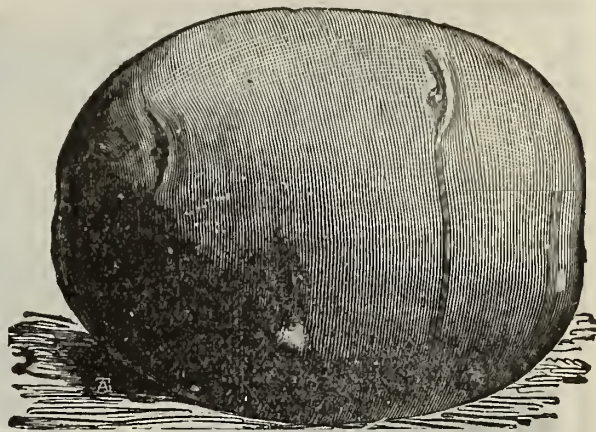
**SLUG SHOT WILL KILL THE POTATO BUGS. BETTER ORDER SOME WITH YOUR POTATOES AND BE PREPARED.**



**CARMAN No 3.**—This handsome main crop potato is of large size, yielding immense crops of uniform size and shape. It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but few eyes and they are shallow, the skin and flesh are extremely white and its cooking qualities are very fine. It is a remarkably handsome potato, enormously prolific, and will please all potato growers. Keeps well, Pk. 50c, bu. \$1.60, 5 bu. or more at \$1.50.

**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 flesh, which is of superior quality. Medium late and the best drouth resister. There is no other potato of more handsome appearance than the Rural New Yorker. Although it is a large yielder it grows but few and small vines. It is very hardy and will stand the heaviest manuring without getting scabby or spotted. For this reason it is one of the most desirable varieties for farmers and potato growers near large cities to grow for main crop for market. Under ordinary circumstances they will yield from 300 to 400 bushels per acre and by heavy manuring this yield can be almost doubled. Pk. 50c, bu. \$1.50, 5 bu. or more at \$1.25.

**WHITE VICTOR.**—Many of our customers are acquainted with the great size and remarkable yields of the old Victor potato, its one objection being the blue color which rendered it unpopular as a market sort. In this new variety we have retained all the valuable qualities of the older sort and secured the ideal color for a main crop potato—a creamy, white, slightly russeted. The tubers are large, round, slightly flattened, and of the type of Rural New Yorker which are so generally popular. The eyes are prominent, but as the tubers are smooth and, round there will be no waste or trouble in peeling them



CARMAN NO. 3.

for cooking, a feature which will prove attractive to the economical housewife. They will appeal to the planter because of their productiveness, as they yield greater crops than any variety with which we are familiar. It is a remarkably vigorous grower, making great strong vines with dark green foliage, giving evidence of its great vitality. The tubers are remarkable for their keeping qualities and will be sound and firm, long after other sorts are withered or shrunk. We believe it will give entire satisfaction to the grower of late potatoes for market. Pk. 65c, bu. \$2.00, 5 bu. or over at \$1.75.

**MUTTENTOT.**—The potato of quality. This variety is very popular with the farmers living in the vicinity of our Altoona seed farm, by reason of its great yielding qualities and the heavy, solid tubers of good shape and large size which make it a favorite variety in the Des Moines market. We list it here in deference to the local sentiment as we are sure that any variety that will stand the test of public demand and at the same time give full satisfaction to the grower is worthy of wide dissemination. The tubers are exceedingly heavy for size, indicating close grain,—the real basis of table quality. Color is white slightly russeted, and the plant is very vigorous and prolific. For main crop will produce enormous yields and will keep longer than ordinary varieties. Pk. 60c, bu. \$1.75, 5 bu. at \$1.50.

**HYBRIDIZED POTATO SEED.**—Potato seed from the flower boll (the true seed.) It is from such seed that the choice new varieties of potatoes are originated. The result is interesting and often very profitable, and you are just as apt to obtain a choice new variety as an experienced potato specialist. Packet 10c, 3 for 25c.



WHITE VICTOR.

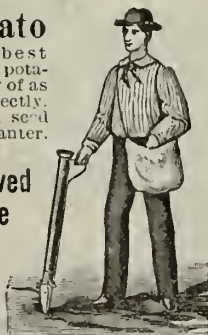
*I received the sweet potato plants in very good condition. I did not believe I could send me plants to Texas so fresh and nice.—Chas. Schubert, Lexington, Texas.*

*I have received the sweet potato plants. They were so nice and green that we are very much pleased.—Mrs. A. Pearson, Denton, Iowa.*

*The potatoes you shipped me are the nicest I have ever seen in size, smoothness and purity.—Geo. M. Graff, Orleans, Illinois.*

**Eureka Potato Planter.**

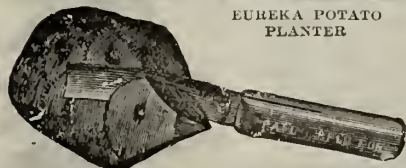
—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and seed corn equal to any corn planter. See cut. Price \$1.25.



EUREKA POTATO PLANTER

**Concaved and Curved Seed Potato Knife**

It is thin and of the right shape to cut 1, 2 or 3 eye pieces fast and not crack the tuber, nor injure the germ. Each 35c, postpaid.



**EARLY YELLOW JERSEY.**—An improvement on the Yellow Nansemond. In spite of the many so called new varieties, all which we have tested, Early Jersey holds the first place. The earliest and most productive; of large, short, chunky shape and of the very best quality. It will probably always remain the most popular market sort. Peck 50c, bushel \$1.75, barrel \$4.00. Ask for price in quantities.

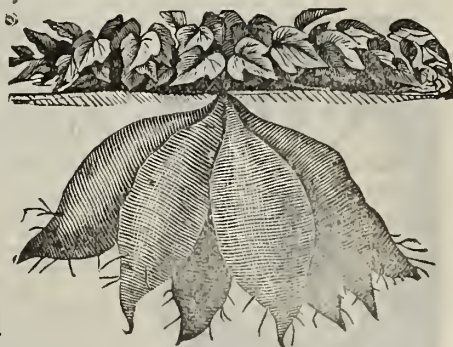
**NEW GOLD COIN VINELESS.**—A novelty of great merit which has become very popular. Instead of having long running vines it is of a dwarf bush-like growth, tubers yellow, medium to large size, quite productive. Peck 75c, bushel \$2.50, barrel \$6.00.

**RED JERSI Y.**—Similar in shape to our Early Yellow Jersey, but dark red color. The quality is excellent. Peck 75c, bushel \$2.25, barrel \$5.00.

**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, bushel \$2.00, barrel \$4.50.

Any of the above varieties of sweet potatoes by mail, postpaid, at 35c per lb., 3 lbs. \$1.00. Ask for price in quantity.

**A Planet Jr. No. 8 Horse Hoe is the best machine for cultivating the potatoes. You can do all the work but the planting with this tool.**





# FLOWER SEEDS.



"I LOVE FLOWERS, DON'T YOU?"

## ASCLEPIAS.

**CUIRASAVICA.**—(St'kweed).—Perennial, has scarlet flowers. Pkt. 15c.

## AMBROSIA.

Also called Perfume Plant. Long spiral stems with abundant round, greenish-yellow buds and blossoms which are very fragrant. Desirable for bouquets or floral work. Pkt. 10c.

## ABUTILON.

A well-known green-house shrub, also called Flowering Maple or Chinese Bell Flower. They are pretty plants, useful for pots in summer and the bell-shaped flowers are beautifully dotted and veined. Are of easy culture; bloom readily from seed the first summer if seed is started early in the house. Finest varieties mixed. Pkt. 10c.

## AMARANTHUS.

Prized for their very 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." Hardy annual; two feet high. Pkt. 3c.

**SALICIFOLIUS.**—Known as Fountain Plant." Pkt. 7c.

**CAUDATUS.**—(Love Lies Bleeding)—Produces long, drooping chains of brilliant colored flowers. Pkt. 5c.

**MIXED VARIETIES.**—Pkt. 5c.

## ARCTOTIS GRANDIS.

It is a remarkably handsome annual which forms much-branched bushes 2 to 3 feet high, the foliage is soft and downy and of a whitish color; its flowers, borne on long stems, rising well above the foliage, are large and showy; the ray florets pure white on the upper surface, embellished with a narrow yellow zone at their base; the reverse of petals pale lilac-blue; the disc is light blue with slightly projecting white stamens; altogether a lovely flower. Pkt. 10c.



ARCTOTIS GRANDIS.



ABUTILONS.

yellow zone at their

## AGERATUM.

**MEXICANUM.**—Suitable for bouquets; produces many blue flowers and blooms long time; largely used by florists; start seeds early. Pkt. 4c.

**ALBIFLORUM.**—Like above, only white. Pkt. 8c.

## AGROSTEMMA.

A hardy plant introduced from Russia; pink-like blossoms on long, slender stems. Suitable for border plants; fine for bouquets or cemetery. Mixed colors. Pkt. 5c.

## ARABIS.

**ALPINA.**—Among the earliest blooming plants; very useful for rockwork, edgings, carpet bedding, etc. Flower pure white; plant 9 in. high, hardy perennial. Pkt. 10c.

Our floral beauties come in for their full share of attention, and aside from our seed farm we have twelve acres of land right in the city, convenient to the street cars, devoted exclusively to flowers. Here we grow thousands of varieties and have in our employ experienced specialists in this line, who, under our supervision, attend to growing whatever can be grown to advantage in this country, test a large number of novelties offered in this country or Europe, and are 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. We invite all our customers to call and see this Floral Exhibition whenever they are in the city. Even during the winter the large green-houses on these grounds are a revelation of beauty which surprises everyone. We also have a large acreage on our seed farms east of this city devoted to floriculture. 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 classify the climbers, everlastings and grasses separately at the end of the list. You can readily find and variety by referring to the index on page 132. Don't fail to notice also novelties listed on colored pages of this book.

**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 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, verbena, daisy, hollyhock and the fine greenhouse-plant seeds, should be sown early in shallow boxes in the house, in soil consisting of equal parts of fine sand and rich, mellow loam well mixed together and sifted to remove all gravel and lumps. Sow as before directed. Covering the box with glass helps to retain the moisture and keeps the temperature even. Be careful not to keep too wet, and when large enough to handle, transplant to boxes from 1 to 2 inches apart to remain until put in permanent beds.

**DISCOUNTS.**—In spite of our very low prices by the packet, we still offer flower seeds, in packets only, to 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.



ALYSSUM.



square and full of bloom. Rose color. Pkt. 3c.



## ABRONIA.

Trailing habit similar to verbena, bearing clusters of sweet-scented flowers. Effective for bedding in masses, very desirable for rockwork and hanging baskets. In beds sometimes one plant covers a yard

## ALYSSUM.

**SWEET.**—Has little white flowers, useful for 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. Pkt. 5c.

## AQUILEGIA.

(Columbine.)

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

**CHRYSANTHA.**—The beautiful, large-flowered, canary yellow variety. Very showy and satisfactory. Pkt. 5c.

**COERULEA.**—Flowers very large, violet, blue and white. Pkt. 7c.

**DOUBLE VARIETIES MIXED.**—Pkt. 5c.

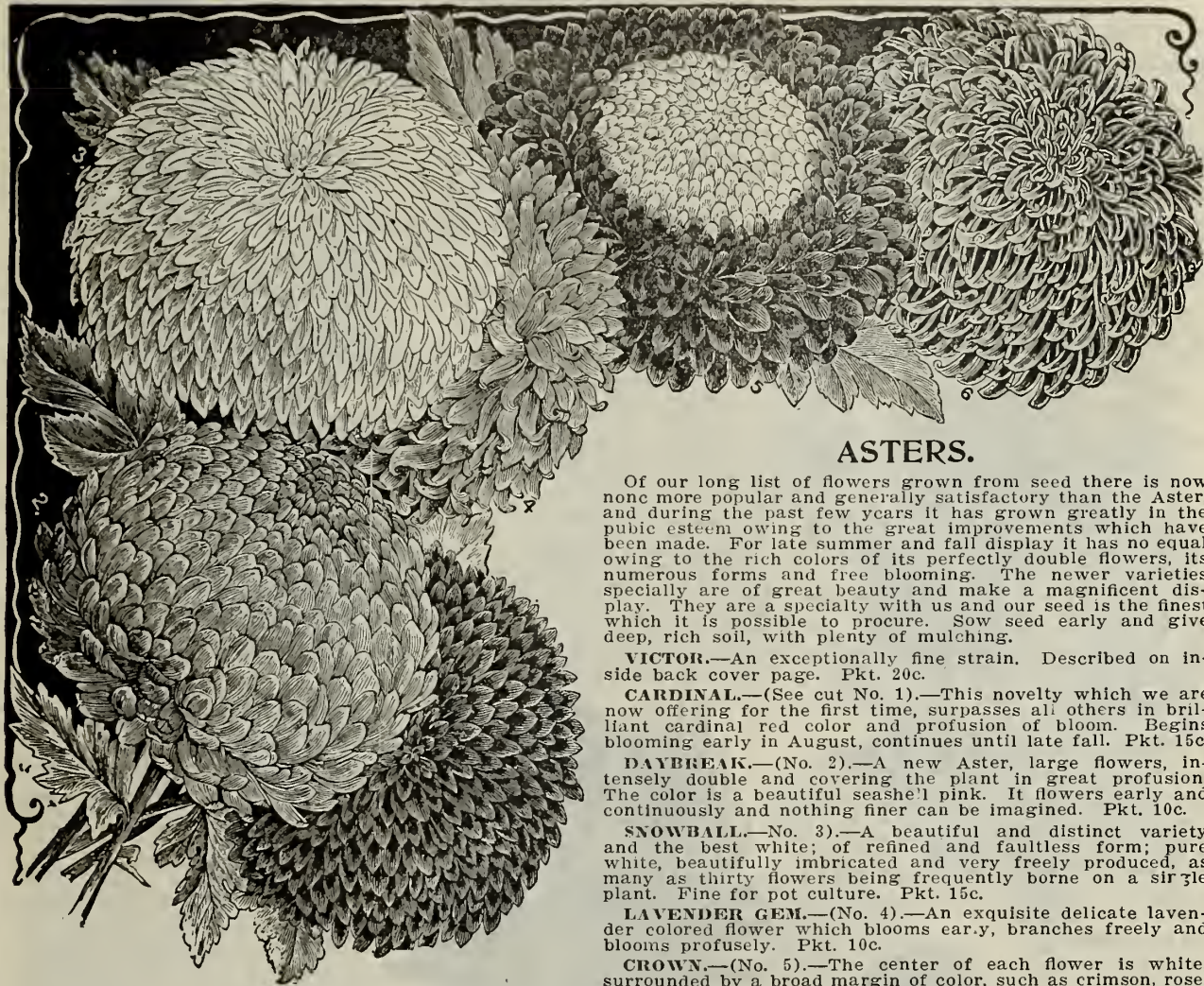
## ASPERULA.

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



AMARANTHUS.





## ASTERS.

Of our long list of flowers grown from seed there is now none more popular and generally satisfactory than the Aster, and during the past few years it has grown greatly in the public esteem owing to the great improvements which have been made. For late summer and fall display it has no equal owing to the rich colors of its perfectly double flowers, its numerous forms and free blooming. The newer varieties specially are of great beauty and make a magnificent display. They are a specialty with us and our seed is the finest which it is possible to procure. Sow seed early and give deep, rich soil, with plenty of mulching.

**VICTOR.**—An exceptionally fine strain. Described on inside back cover page. Pkt. 20c.

**CARDINAL.**—(See cut No. 1).—This novelty which we are now offering for the first time, surpasses all others in brilliant cardinal red color and profusion of bloom. Begins blooming early in August, continues until late fall. Pkt. 15c.

**DAYBREAK.**—(No. 2).—A new Aster, large flowers, intensely double and covering the plant in great profusion. The color is a beautiful sea-shell pink. It flowers early and continuously and nothing finer can be imagined. Pkt. 10c.

**SNOWBALL.**—(No. 3).—A beautiful and distinct variety and the best white; of refined and faultless form; pure white, beautifully imbricated and very freely produced, as many as thirty flowers being frequently borne on a single plant. Fine for pot culture. Pkt. 15c.

**LAVENDER GEM.**—(No. 4).—An exquisite delicate lavender colored flower which blooms early, branches freely and blooms profusely. Pkt. 10c.

**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).—Shape differs from all others, resembling closely the large-flowered Japanese chrysanthemum. The flowers are from 3½ to 4½ inches in diameter, perfectly double, many handsome colors mixed. Pkt. 10c.

**ALICE ROOSEVELT.**—Charming sort from England, named in honor of our president's daughter. Belongs to Victoria class and is of pale, creamy yellow, or primrose, tint, changing to a beautiful rosy pink. It is a continuous bloomer, and shows several shades and colors at all times on the same plant, thus making a showy novelty. Pkt. 10c.

**ROSY CARMINE BRANCHING.**—A distinct new color which is very attractive. Pkt. 10c.

**SEMPLE'S BRANCHING.**—Useful for cut flowers. The flowers are very large and double, borne on large, stiff stems, and colors clear and handsome. Mixed colors. Pkt. 5c.

**COLLECTION OF ASTERS.**—One pkt. each of the above 23 varieties for only \$1.50.

**TALL VARIETIES MIXED.**—Includes many varieties and colors. Pkt. 5c.

**ROYAL MIXED.**—A choice selection of all the best sorts. No second grades. Pkt. 10c.

**DWARF MIXED.**—A splendid assortment of the best dwarf growing varieties. Pkt. 5c.

**SINGLE FLOWERING MIXED.**—Bearing a mass of star-shaped flowers. Pkt. 5c.

**PERENNIAL MIXED.**—Single flowering, hardy, herbaceous plants. If sown early will flower first season. Pkt. 5c.

**ASTER PLANTS.**—Plants grown from our choicest mixtures of seed. Per dozen 50c, 100 \$3.50, postpaid.

**MARVEL.**—A most charming new variety from Germany and entirely different. Flower large and petals pure white, beautifully striped with a band of blue, red, pink, lilac or some other distinct color down the center of each, thus giving the flower a very brilliant and showy appearance. We do not think there is a variety of aster in existence which will create half the interest nor so many exclamations of delight from flower lovers as it is so distinct and different from the varieties ordinarily grown. Packet of about 100 seeds 15c.

**PURITY.**—Greatly resembles the Daybreak, except that it is pure snowy white. Considered the best for cut flower work. Pkt. 5c.

**ROYAL PURPLE.**—A variety of the branching asters of large size and rich purple color. Pkt. 10c.

**VICK'S BRANCHING MIXED.**—A choice mixture of these popular favorites. Pkt. 5c.

**GOLDEN BALL.**—The long sought novelty—a yellow aster. Pkt. 10c.

**BLAND'S EARLY JUNE.**—Decidedly the earliest flowering Aster, being a week to two weeks earlier than Queen of the Market and other extra early sorts. Flowers of good size, pure white and continuous bloomers. The stems are long thus making them fine for cutting. Pkt. 15c.

**GLORIA OR BUTTONHOLE.**—One of the prettiest little plants for bedding that we know of. Grow to a height of 10 inches, are very branching and free blooming. As many as 40 flowers have been counted on some plants. The flowers are about 2½ inches in diameter, and pure white, with a brilliant scarlet margin. Pkt. 10c.

**PERFECTION MIXED.**—(Truffant's Improved Paeony Flowered).—A favorite, flowers large and almost perfectly round, incurved petals; height 18 inches to 2 feet. Pkt. 5c.

**HARLEQUIN.**—A curious, attractive and beautiful variety with oddly spotted and striped very double flowers of red and blue. Pkt. 10c.

**VICTORIA.**—A magnificent sort. Twenty inches high, free bloomer, large, brilliant colors mixed. Pkt. 10c.

**WASHINGTON.**—Largest in cultivation, flowers often 5 inches across; mixed colors. Pkt. 10c.

**CHRISTMAS TREE.**—One of the most popular European novelties; pyramidal shape, usually covered with 70 to 100 flowers; mixed colors. Pkt. 10c.

**BETTERIDGE'S QUILLED.**—Perfectly double, tube or quill shaped petals; valuable for bouquets and bedding. Mixed colors. Pkt. 3c.

OUR LIST OF ASTERS IS COMPLETE. YOU CAN EASILY FIND YOUR FAVORITE.





PEERLESS MIXED BALSAMS.

**BIRD OF PARADISE FLOWER,**

This plant properly known as Poinciana Gil-lesi, may be considered one of the wonders of nature, as it is of curious and strange form. Flowers are 2½ inches in diameter and produced in large trusses, of a rich golden yellow, attractive part being the large pistils, which are of crimson color and spread out in fan shape. If started early will produce a profusion of blooms the first year. Per pkt. of 10 seeds 10c.

**BLUE BELLS.**

The popular flower of Scotland. Beautiful bell-shaped, bright blue flowers. Hardy perennial. Pkt. 10c.

**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.



BIRD OF PARADISE FLOWER.



BRACHYCOME.



BROWALLIA.

**BROWALLIA.**

**GRANDIFLORA.**—This new sort is the most beautiful of all Browallias. Grow only about a foot high, form dense little bushes, which are covered with abundance of most delightful sky blue flowers, much larger than those of the other varieties. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Pkt. 10c.

**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, rich in colors, ranging from pure white to rich dark crimson. The packets contain about 50 seeds.

**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.

**PEERLESS MIXED.**—This new mixture is made up from the best foreign and American strains and their beauty is truly marvelous. Flowers are double and of all known colors, plants are loaded with hundreds of flowers. Pkt. 10c.

**ALL VARIETIES MIXED.**—A nice mixture of older sorts. Pkt. 4c., oz. 25c.

**BEGONIA.**

Seeds very small, almost microscopic, and should be sown on top of the soil in a box, pressing soil evenly, cover 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. Fine for bedding. Pkt. 10c.

**REX.**—The king of Begonias. Have very large ornamental leaves of dark green, bronze, gold, red, etc., very rich, lustrous and tropical appearing. Choice mixed. Pkt. 25c.

**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.

**MIXED VARIETIES.**—Excellent varieties of the flowering sorts. Pkt. 10c.



REX BEGONIA.



VERNON BEGONIA.

**BUTTERFLY FLOWER.**

This large flowering variety of Schizanthus is one of the handsomest annuals, the shape and colors being so unusual and exquisite that it challenges the rare orchids in beauty. It is easily grown and makes a bushy plant fairly loaded with rich and various colored flowers. Pkt. 10c.

**CACTUS.**

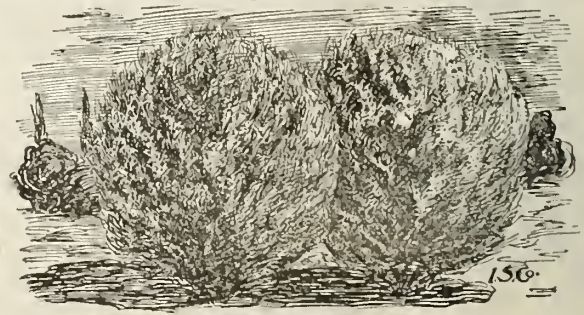
Almost everyone who keeps house plants likes to have a few nice Cacti. The seed we furnish is collected from the choicest varieties in Arizona, New Mexico, Texas, California and Old Mexico, as well as some foreign countries, and mixed together. Easily grown from seed planted in a box of clean sand. Pkt. 10c.

**CANTERBURY BELLS.**

A very pretty perennial quite popular in some sections of the country. Double and single, mixed colors. Pkt. 6c.

**MEXICAN BURNING BUSH.**

This we consider one of the most ornamental border or hedge plants which has ever been brought out and it is sure to attract attention. It is known botanically as Kochia Scoparia. It grows quickly from seed sown in the open ground. The plants are always of the rounded or globe-like form shown in our illustration. The plants branch freely, and the stems are clothed with slender light green leaves. Early in the fall the ends of the shoots are thickly set with small, bright scarlet flowers, the bushy plants resembling balls of fire. The plants are equally showy planted singly to show the round, ball-like form on all sides or grown in continuous rows. Per pkt. 10c.



MEXICAN BURNING BUSH.

WE HAVE AN EXTRA FINE LOT OF REX BEGONIA PLANTS THIS YEAR.



**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.

**(CALLIOPSIS.—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.

**NEW DOUBLE.**—A charming novelty, blooms freely and will please everyone. Pkt. 10c.

**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. Unexcelled for cutting. Grows anywhere. Pkt. 8c.

**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. 5c.

**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 blossoms literally hiding 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.

**CALENDULA.**

Belongs to the well known marigold family.

**FINE MIXED.**—Many nice varieties and when planted together they make a showy bed. Pkt. 3c.



GOLDEN WAVE CALLIOPSIS.



CUP AND SAUCER CAMPANULA.

**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.

**LARGE FLOWERING MIXED.**—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 well-defined white eye and are unsurpassed for attractiveness. Pkt. 15c.

**CANDYTUFT.**

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



GIANT EMPRESS CANDYTUFT.



CINERARIA.



CALENDULA.

**GIANT EMPRESS.**—One of the finest varieties in cultivation. Intermediate in height between old Rocket and newer Tom Thumb sorts. Of very branching habit and when fully grown and covered with its pure white flowers resembles a floral candelabra. Pkt. 7c.

**BEST MIXED.**—Mixture of all varieties and colors. Pkt. 3c, oz. 40c.

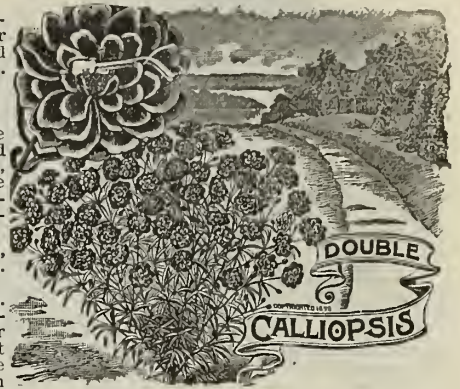
**SEMPRE VIRENS.**—Profuse blooming white perennial. Early. Pkt. 10c.

**CARNATION.**

Finest of the dianthus or pink family. Very fragrant. Our seed 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. Plants succeed alike in the open garden or in pots, and are of such vigorous, dwarf, erect growth that no supports are required. The range of color, marking, variegations and shading are simply wonderful. Offered with beautiful floral novelties in our Victor collection on colored plate. Pkt. 10c.

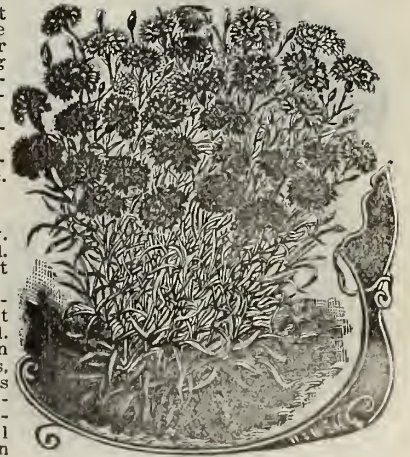


CANNA.

**CANNA.**

Unquestionably one of the best 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.

**FANCY LARGE FLOW-ERED.**—A very large flowering dwarf variety, 3½ feet. Flower first year from seed. Mixture of finest flowering sorts. Pkt. 5c, oz. 25c.



MARGUERITE CARNATIONS.



**CELOSIA.**

For summer beds we know of nothing that will produce as showy and brilliant effects.

**SPICATA.**—A wonderful new variety of Celosia and far different from any ever before seen. It is a handsome annual, forming upright, well branched pyramids, about 2½ feet in height, and producing at the summit of each branch spikes of flowers of a bright rose color when opening, changing to si very white; fine for garden or growing in pots. Pkt. 15c.

**OSTRICH FEATHER.**—Beautifully curled crimson plumes. Pkt. 10c.

**ALL VARIETIES MIXED**—Pkt. 5c.

**COCKSCOMB.**

**GIANT EMPRESS.**—Is very handsome either for pot plants or specimens 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



GIANT EMPRESS COCKSCOMB.

**breadth; purple combs and dark bronze foliage.** Pkt. 10c.

**GOLDEN GLOW.**—This is one of the most attractive novelties. Plants large and produce many handsome flowers 5 to 10 inches in diameter, of a most attractive bright, rich golden yellow color. Pkt. 10c.

**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.

**LADY LENOX.**—Beautiful light pink flowers of extra large size, sometimes 6 inches in diameter. Full, vigorous plants, six to seven feet. Unequaled among annuals for screens and tall borders. Pkt. 20c.

**EARLY DAWN MIXED.**—Introduced by us and it jumped at once into popularity on account of its extreme earliness, coming in bloom about two months from time of sowing and continuing until destroyed by frost. The plants have fine, feathery, light green foliage and delicate rose, purple, white and lilac flowers. A free blooming plant of easiest culture. Mixed colors. Pkt. 5c.

**MAMMOTH PERFECTION.**—Flowers double the size of the old flowering cosmos. Seed should be sown early in the house, as they are equite late. Pkt. 7c.

**CHRYSANTHEMUMS.**

The Annual Chrysanthemums are different from the large flowered perennial varieties grown by florists. They grow easily from seed and flower freely during summer and fall.

**CHAMELEON.**—A new and distinct annual variety producing very large, single flowers with purple, black, crimson, yellow and copper. Pkt. 8c.

**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. Very double, semi-double or single, but these are equally charming. Pkt. 5c.

**PERENNIAL.**—Double Mixed.—This is the popular greenhouse variety. Showy and desirable for fall and early winter blooming. Plants potted in the fall make a continuous bouquet for many weeks. Sow the seeds early. Pkt. 10c.



DOUBLE ANNUAL CHRYSANTHEMUMS.



DOUBLE CENTAUREA.

It is a very decorative plant 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.

**CENTAUREA.**

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

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

**GYMNOCARPA.**—(Dusty Miller)—The foliage of this variety is finely cut and silvery. It is perhaps the best white leaved plant for bedding purposes. Pkt. 5c.

**DATURA.**

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

**CORNUCOPIA.**—The plant is about 3 feet high; stems dark purp ish maroon; flowers 8 in. long by 5 in. across mouth, formed of 2 or 3 flowers growing one within the other. Very fragrant. Pkt. 10c.

**DOUBLE VARIETIES MIXED.**—An excellent mixture of the best kinds. Pkt. 5c.



CELOSIA SPICATA.

**CHINESE LANTERN PLANT.**

Showy annual, about 18 inches high, bearing large red cherry-like fruits, each enclosed in an enormous balloon-like, semi-transparent calyx, about three inches long, at first light green, gradually changing to yellow, then to orange, and finally to crimson. Effective in the autumn garden or grown in pots. It is a perennial, the roots living over winter in the ground and producing a far better crop the second year. Better on rather poor soil. Pkt. 10c.

**CLARKIA.**

A very pretty and desirable hardy annual about 2 feet high. Flowers are white, red, purple, etc., and borne in profusion during summer. Mixed. Pkt. 3c.

**CLITORIA.**

**TERNATEA.**—Beautiful perennial plant which is suitable for pots or the garden, and which blooms freely the first season from seed; blossoms shaped like Sweet Peas and of a dark, rich indigo blue with a white center. Pkt. 10c.

**COMMELINA SELLOWINA.**

A lovely perpetual flowering "Wandering Jew," suitable for garden in summer or for pots all the year. The flowers look like blue butterflies; blooms in short time from seed and is a beautiful and showy flower which is sure to prove satisfactory. Pkt. 10c.

**COLEUS.**

It is a very decorative plant 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.

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**DOUBLE VARIETIES MIXED.**—An excellent mixture of the best kinds. Pkt. 5c.

NOTICE OUR BEAUTIFUL CHRYSANTHEMUM COLLECTION ON COLORED PLATE,



**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.

**DAHLIAS.**

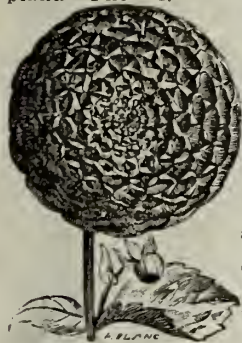
The dahlia is well known, although few are aware that if the seed is sown early in the spring they will bloom the first year.

**DOUBLE MIXED.**—Our seed is of the finest strain, and produces magnificent, large, very double flowers of richest shades. Pkt. 8c.

**SINGLE MIXED.**—Pkt. 7c.

**FEVERFEW**

Free-flowering plants succeeding in any garden soil; a fine bedding plant. Pkt. 5c.



DOUBLE DAHLIA.

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. Pkt. 7c.

**MOURNING CLOAK.**—A magnificent new variety, with very double large flowers of a very dark mahogany, a most black, each petal edged with a 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 the base of each petal; magnificent in color and variety. Pkt. 7c.

**CHINENSIS.**—(Double Chinese Pink.) mixed. Pkt. 3c.

**MIXED VARIETIES AND COLORS.**—Pkt. 5c.

**EUPHORBIA.**

**VARIEGATA.**—Strong growing annuals suitable for beds of tall-growing plants or mixed borders; the flowers are inconspicuous; foliage, however, is ornamental, veined, margined with white. Pkt. 5c.

**HETEROPHYLLA.**—(Annual Poinsettia) bush-like form, with smooth, glossy-green leaves. In midsummer these are a beautiful orange scarlet. Pkt. 10c.



EUPHORBIA VARIEGATA.



GIANT SNOWBALL DAISY.

height. Flowers are perfectly double and color a rich, velvety blood red. The plants begin to flower shortly after they 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.**—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.



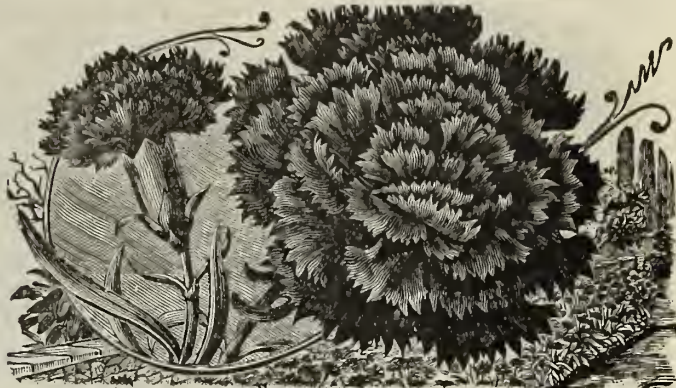
ESCHSCHOLZIA.

**ESCHSCHOLZIA.**

**BURBANK'S CRIMSON.**—This choice novelty is one of Mr. Burbank's great achievements, being the result of nine years' careful selection from a chance sport in a bed of yellow Eschscholtzias, California's state flower. This new flower is of a bright, handsome crimson. It is one of the most easily grown plants producing a profusion of flowers. Pkt. 15c.

**SINGLE MIXED.**—California poppies. Pkt. 5c.  
**DOUBLE MIXED.**—We believe the double form of this flower will prove very satisfactory to all flower lovers. Pkt. 5c.

**GOLDEN WEST.**—A giant flower of a rich golden yellow color, some specimens having a dark orange blotch in center. Pkt. 10c.



FIREBALL DIANTHUS.

**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 in

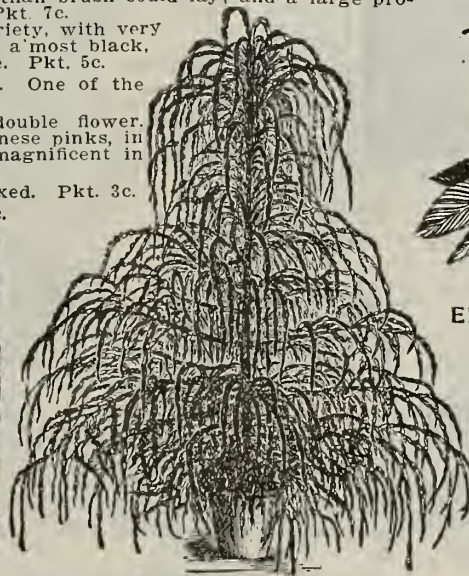


**ELECTRIC LIGHT PLANT.**

Near entrance to Greenwood Park of this city there was a large bed of flowers which attracted universal attention. It bloomed constantly throughout the season. They were called "Electric Light Plant," though they are evidently some improved variety of Cleome. We secured the seed which these plants produced and grew a fine crop of it on our farm. It is a sturdy, bushy plant growing to a height of about 4 feet and covered constantly with large spikes of flowers 6 to 9 inches long which are pure white at base and ranging from rose to bright red at apex. Grows readily from seed which should be planted in open ground early in spring. Makes one of the most showy, ornamental plants imaginable for clumps and massing. Per pkt. 10c.

**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 leaves are brilliantly banded and tinted with orange, carmine, purple, crimson and gold, forming bright colored plumes. Pkt. 7c.



FOUNTAIN PLANT.



**FOUR O'CLOCK.**

FOUR O'CLOCK.

(*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, present a gorgeous sight in afternoon.  
**TOM THUMB MIXED.**—A very handsome and 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.

**GERANIUM.**

**GOOD VENTURE.**—A greatly improved strain of geranium seed grown by a specialist for our trade, and we are sure they will delight anyone. These favorite plants are easily raised from seed, which will frequently reward the cultivator with charming new varieties. The plants from seed started early in the house bloom the first summer in the garden. Some seeds 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. Pkt. 15c.

**CHOICE MIXED.**—Seed saved from nice varieties, mixed. Pkt. 5c.

**FREESIA.**

**REFRACTA ALBA.**—Bears peculiar clusters of white flowers of the most delicious fragrance, which lasts a long time, even after being cut off in summer. Start them to o in summer. Start them to growing in house in October and you will be pleased with them. They are easily grown. Pkt. 10c.

**FOX GLOVE.**

(*Digitalis*.)  
Showy for backgrounds and borders, and are very beautiful when planted with shrubs; thrives in any ordinary garden soil. Fine mixed colors. Pkt. 3c.

**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. In the approach of frost in the fall, they can be taken up and planted in pots. A packet containing about 15 seeds. Finest double and single mixed. Pkt. 10c.

**GOLD AND SILVER FLOWER.**—(*Polycalymna*.)

A great novelty from New South Wales which we introduced. Flowers are silvery white, while center petals are yellow, giving the appearance of a five dollar gold piece laid in center of silver dollar, which a few feet distant is quite striking and gave plant its name. Intensely double; blooms freely and is decidedly ornamental not only in beds but also for cut flowers; flowers not only retain everlasting, pretty when dry. Pkt. 10c. their beauty kept in vases, but are



GOLD AND SILVER FLOWER.

**GILIA.**  
Free-flowering hardy annuals, one foot to eighteen inches high, with finely cut foliage and clusters of small, delicate flowers, white, blue, lilac, and rose-color; suitable for beds, rockwork and edgings. Sow seed in open ground. Mixed. Pkt. 5c.

**GLOXINIA.**

Charming greenhouse plants, of dwarf habit. Flowers in greatest profusion, and of the most exquisite and gorgeous colors, many of which are magnificently spotted, mottled and blended. Bloom continuously for months. Seed should be started under glass. Choice mixed. Pkt. 25c.

**GOLDEN ROD.**

Considered a weed on our western prairies, it has been adopted by New York as state flower. Admired by all; easily grown from seed. Pkt. 5c.

**GYPSOPHILA.**

Delicately pretty little flowers, sometimes called "Baby's Breath" or "Angel's Breath." Graceful and easily grown. Pkt. 5c.



GAILLARDIA GRANDIFLORA.

**GAILLARDIA.**

The Blanket Flower. Exceedingly beautiful annuals, making very showy plants, 1 to 2 feet high. Grown in mass are especially effective.

**PERFECTION.**—Improved sort, producing a very double flower, round as a perfect ball, in most varied and pleasing colors. 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 centers, marked with rings of many brilliant colors; makes a nice showing in yard. Pkt. 10c.

**GLADIOLUS.**

Well known flower, easily grown from seed, and we would like to have all our customers try raising them in this way. This seed is of



HELIOTROPE.



GLADIOLUS.

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.

**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.

**NEW MAMMOTH.**—A grand new variety producing immense clusters of flowers. Pkt. 10c.  
**MIXED VARIETIES.**—Common sorts. Pkt. 5c.

**ICE PLANT.**

A handsome and curious plant for hanging baskets, rockwork 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.

**GODETIA.**

Handsome and showy annuals about one foot high, of dwarf, compact growth, bear freely large flowers 3 to 4 in. across, of exquisite colors.

**MIXED VARIETIES.**—All colors. Pkt. 5c.



ICE PLANT.



**HIBISCUS.**

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

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

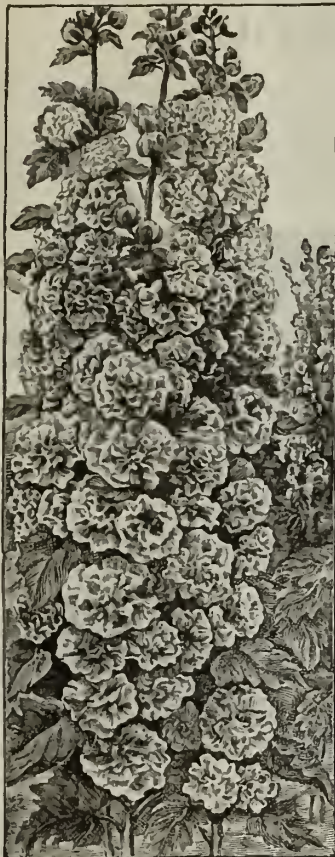
**GOLDEN BOWL.**—Produces enormous flowers 5 to 6 inches across, of canary color, with large black center. Pkt. 5c.

**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. Will produce elegant spikes.

**EVERBLOOMING ANNUAL.**—One of the most showy of garden flowers; desirable for massing, borders and backgrounds, the one objection to it being that it was a biennial and did not bloom to perfection until the second year. This fine variety may be started in the house in March or April, set out in May and comes into bloom in July and will bloom until killing frosts in the fall. Our seed may be sown in the open ground in May and will bloom in August. Of vigorous growth, from 5 to 8 feet high, according to the soil, and stalks are fairly loaded with large flowers, sometimes 5 inches across. These are of a great variety of colors, crimson, canary, yellow, pink, white, maroon, black, scarlet, etc., some of them beautifully veined and marked double, semi-double and single. Pkt. 15c.

**CHATER'S PRIZE DOUBLE MIXED.**—Magnificent double flowers three to four inches across, and all of the brightest colors; flowers quite as beautiful and perfect as those of the camellia; they are



EVER BLOOMING HOLLYHOCK.

**LARKSPUR.**

Old and well known hardy annual. 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 entire catalogue. The only flower we know of which combines the national colors—red, white and blue—in each flower. It grows to a height of about two feet, and is fairly loaded with long spikes double striped and blotched flowers. Pkt. 10c.

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

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

**DELPHINIUM.**—(Perennial Larkspur)—Most showy and useful plants, possessing almost every requisite for adornment of garden; producing splendid spikes of flowers in profusion all summer. If sown early bloom first year from seed; hardy perennial. Pkt. 5c.

**LUPINUS.**

**MIXED VARIETIES.**—Strong growing garden annuals, with innumerable spikes of flowers of various colors. Pkt. 5c.

**MIGNONETTE.**

**SWEET SCENTED.**—The fragrance of Mignonette makes it indispensable for bouquets and cutting. Sow seed early in garden and they will commence blooming the first of June. Pkt. 2c; oz. 15c.

**ALLEN'S DEFIANCE.**—Valuable variety with mammoth spikes 12 to 15 inches long, more fragrant than any other. Florets of immense size and the cut flower frequently keeps three weeks. Pkt. 10c.

**MACHET.**—Distinct sort of great merit. Vigorous dwarf growth; spikes of deliciously scented red flowers. Pkt. 5c.

**FERNS.**

Can be grown from the spores, or seed, by sowing in a very moist place under glass. Pkt. 15c.



AMERICAN BANNER LARKSPUR.



DWARF MORNING GLORY.

**MYOSOTIS, OR FORGET-ME-NOT.**

**PALUSTRIS.**—True Forget-Me-Not. A perennial. Blooms first year from seed. Pretty plants with neat little star-shaped blue flowers. Pkt. 7c.

**VICTORIA.**—The best variety for pot culture. Dwarf, globular habit; beautiful sky-blue flowers with center double. Per pkt. 7c.

**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. Variegation does not begin to show until the fourth or fifth leaf, when 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. Leaves are waxy and gracefully recurved. Our illustration does not do it justice. Desirable for groups or ribbon beds, or a back border to the lawn. Pkt. 5c, oz. 15c.

massed completely around spikes. A mixture of 17 prize varieties including all colors and shades. Pkt. 10c.

**FINE MIXED.**—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.

**LANTANA.**

Greenhouse perennial; makes a fine bedding or pot plant; easily grown from seed. Best mixed colors. Pkt. 7c.

**LOBELIA.**

Handsome trailing plants, profuse bloomers; elegant for baskets, vases and borders. All sorts mixed. Pkt. 6c.

**LINUM.**

**GRANDIFLORUM RUBRUM.**—(Or Scarlet Flax)—One of the most showy annuals for flower beds and masses; brilliant, crimson scarlet flowers, one inch across, in wonderful profusion. Pkt. 5c.

**PERENNIAL.**—A beautiful hardy perennial sending up numerous stems, clothed with a small, almost hair-like foliage. At tips of branches are poised large blossoms of blue, white and yellow flowers. Pkt. 5c.

**MARIGOLD.**

**AFRICAN.**—This old favorite has been greatly improved recently in size and doubleness of its flowers. Double mixed. Pkt. 3c.

**DWARF FRENCH.**—Double, mixed colors. Pkt. 3c.

**LEMON QUEEN.**—A charming new variety producing large bell shaped flowers clear lemon or canary yellow color making them closely resemble large double yellow Dahlias only produced more abundantly on longer stems. Begin blooming early and bear continuously. Pkt. 10c.

**ELDORADO.**—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Three feet high. Pkt. 5c.

**BUSH MORNING GLORY.**

All know the old fashioned climbing morning glories, but few suspect that this most charming little bedding plant belongs to the same family. A decidedly showy dwarf growing spreading sort bearing a profusion of the most richly colored, striped, blotched and variegated flowers about as large as a silver dollar. Bloom throughout season, are easily grown and most satisfactory flowers for borders or growing in masses. Many choice varieties mixed. Pkt. 10c, oz. 25c.



JAPANESE QUADRICOLOR MAIZE.

JAPANESE MAIZE IS A MOST EFFECTIVE PLANT WHERE A SCREEN IS NEEDED.



# NASTURTIUM.

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, lower petals blotched

with purplish carmine; finely marked with bright carmine veining. Pkt. 5c, oz. 15c.

**BEAUTY.**—An extra fine dwarf variety, having handsome scarlet flowers splashed with canary yellow. Pkt. 5c, oz. 10c.

**DWARF CHAMELEON.**—The flowers of this new Tom Thumb nasturtium are in color crimson, gold and bronze, bordered and flamed, changing in hue almost daily, hence named "Chameleon." No variety could be more satisfactory, and as our crop was good we have reduced our price this year. Pkt. 5c, oz. 15c.

**GOLDEN QUEEN.**—Foliage is of clear, bright yellow color. The plant of dwarf, compact habit; flowers yellow. Pkt. 5c, oz. 15c.

**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 richness of color are remarkable. Pkt. 5c, oz. 15c.

**LADYBIRD.**—Of dwarf, neat, compact habit of growth. Flowers rich golden yellow, each petal barred with bright ruby crimson. Pkt. 5c, oz. 10c.

**KING THEODORE.**—The darkest color in nasturtiums, deep scarlet maroon. Pkt. 5c, oz. 15c.

**PEARL.**—Charming dwarf white sort. Pkt. 5c, oz. 10c.

**DWARF LILIPUT.**—A most charming and distinct new strain of very dwarf compact growth that originated from the tall *Trapezium Lobianum*. Plants of smaller size than the well-known Tom Thumb Nasturtium, growing in closely compact form, while the flowers and rounded light green leaves are smaller in

size. The perfect flowers are so numerous that they come through the foliage in clusters, embracing many new and beautiful colors. Pkt. 5c, oz. 20c.

**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. 15c, ¼ lb. 50c.

**DWARF VARIETIES MIXED.**—A nice mixture of colors of this free blooming class. Each plant forms a small compact bush laden with bloom. Owing to the immense quantity we grow of this we are enabled to make a low price. Pkt. 3c, oz. 10c, ¼ lb. 20c, lb. 65c.

## CLIMBING NASTURTIUMS.

**KALEIDOSCOPE.**—Some of the flowers are of clear color and various shades of yellow, orange, pink and creamy white, others are blotched, striped or bordered in rich contrasting shades. This gives plant a decidedly unique appearance. Plants are of strong, vigorous trailing or climbing growth and can be grown on the ground or trained up on a trellis. Specially suitable for growing over stumps, rockery or low fences and if well grown will produce immense number of flowers. If started early in the house and set out as soon as ground becomes warm the number of flowers produced during the season will be truly marvelous. The oftener the flowers are picked the more will be produced. Pkt. 10c, oz. 30c.

**IVY LEAVED PERFECTION.**—This unique and most beautiful climbing nasturtium is different from all others in foliage flowers. Plants of running growth, star-like leaves of rich green veined with white. Flowers are of medium size, intense glowing scarlet in color, and of most distinct form. Pkt. 10c, oz. 30c.

**SPIRE.**—A most brilliant new variety of bright cardinal red. Most glowing color. Pkt. 5c, oz. 15c.

**CAPRICE.**—A charming novelty: flowers of changeable colors. A single plant frequently showing a dozen different colors or markings. Pkt. 10c, oz. 35c.

**KING OF THE BLACKS.**—A very handsome climbing sort with flowers of very rich dark brown, almost black. Pkt. 5c, oz. 15c.

**NAPOLEON III.**—A beautiful climbing variety with golden yellow flowers, striped with rosy scarlet. Pkt. 5c, oz. 15c.

**TALL VARIETIES MIXED.**—Pkt. 3c, oz. 10c, ¼ lb. 20c, lb. 65c.



KALEIDOSCOPE.



CHAMELEON

COPYRIGHT  
1892  
BY W.A.B. & C.

**MADAM GUNTER'S HYBRIDS.**—Climbers and 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 deepest brown and maroon—nearly black—all striped, shaded and blotched in an indescribable manner. Pkt. 5c, oz. 10c, ¼ lb. 35c.

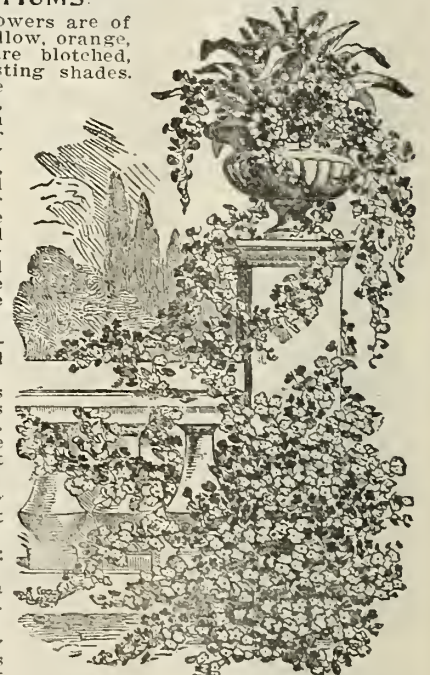
**JUPITER OR SUNLIGHT.**—Attracts instant attention by the great size, exquisite form and rich color of the flowers. The flowers measure ¾ to 3½ inches in diameter, the petals 1¼ inches across. Blossoms have a most beautiful crinkled, crepe-like look; color is a splendid, rich, brilliant yellow. Pkt. 5c, oz. 15c.

**TOM PONCE.**—A distinct class of trailing habit bearing brilliant little flowers, many of which are handsomely marbled with contrasting shades. Very desirable for growing in baskets or vases. A good winter bloomer. Pkt. 5c, oz. 20c.

**TOM'S NASTURTIUM.**—These are much superior to the ordinary tall nasturtiums in brilliancy of flowers, height, rapid growth. All best named sorts, mixed. Pkt. 5c, oz. 15c.



IMPERIAL MIXED.



MADAM GUNTER'S HYBRIDS.



# PANSIES.

Pansies are a specialty with us, and we use the greatest care in growing and importing the best strains. Circular giving full directions for growing pansies sent free if requested. Packets contain 100 to 250 seeds.

**AMERICAN GIANT.**—A prominent pansy specialist has put in years of careful, painstaking labor in hybridizing and selecting a strain of pansies which would be superior to anything in existence, and as a consequence we have this extraordinarily fine variety which is of such strong, robust, luxuriant growth and produces such magnificent immense sized flowers that it might almost be said to be a superior race of pansies. They comprise practically all shades, colors and markings known in pansies, including the Giant Bugnons, Cassier's, and the best of the large flowered sort from France, Germany, England, Holland and other countries. Also a strain of curled and ruffled pansies which appear double. Pkt. 25c.

**IMPROVED MADAM PERRITT, or Wine Shades.**—When traveling in England we found this charming novelty growing on the grounds of a leading specialist, who had been selecting and hybridizing the finest large flowering sorts, having the richest, most velvety wine shade in some part of the flower, but there were fully 75 distinct varieties in the collection. Said to be the most fragrant of all pansies. Pkt. 20c.

**PEACOCK.**—This new variety is named Peacock because upper petals of flower resemble in color the peculiar shade seen only in feathers of the peacock, a beautiful ultramarine blue. Petals edged with a thin white line, within which is purplish crimson passing into a rich central blotch of blue, shading to black. Pkt. 10c.

**GIANT TRIMARDEAU.**—Flowers of very large size, some have measured 4 inches in diameter. Each flower marked with three large blotches or spots and stands well above foliage. Choice mixed colors. Pkt. 10c.

**MASTERPIECE.**—(Also offered under the names Superbissima and Germania).—This superb new pansy is distinct from all others in the form of flowers, the border of every petal being conspicuously undulated and curled, giving flowers appearance of a double pansy. The flowers are extremely large. Pkt. 20c.

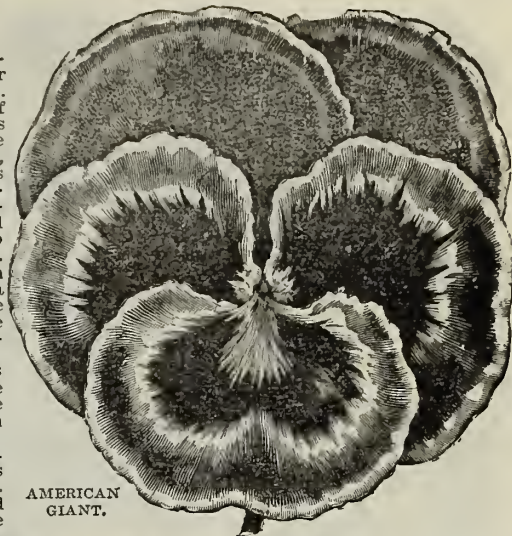
**FANCY STRIPED.**—A beautiful variety from Belgium, with good sized flowers which are striped and mottled in various tints on contrasting ground colors. Pkt. 20c.

**FIRE KING.**—Very distinct and striking. Upper petals of bright red, of really a fiery shade, warranting the name of Fire King. Pkt. 10c.

**MAHOAGANY.**—A beautiful, rich mottled mahogany color. Pkt. 5c.

**SNOW QUEEN.**—Flowers of a delicate, pure satiny white, handsome and attractive. Makes a fine showing in beds or for cut flower work, and beautiful for cemetery use. Pkt. 5c.

**QUADRICOLOR, or Pheasant's Eye.**—Upper petals sky blue edged with violet; lower petals spotted and marbled. Pkt. 5c.



AMERICAN GIANT.

**ENGLISH FACE.**—A popular variety in England. Most of the flowers distinctly marked with a "face." Mixed. Pkt. 10c.

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

**KING OF BLACKS, or Faust.**—Flowers intensely dark almost black. Pkt. 5c.

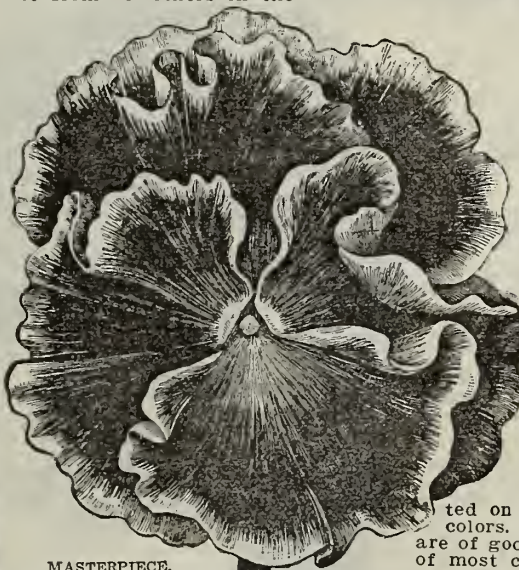
**AZURE BLUE.**—A very fine shade sky blue. Pkt. 5c.

**VIOLET SCENTED.**—A cross between the pansy and violet, with delicious fragrance of the former; mixed colors. Pkt. 15c.

**LORD BEACONSFIELD.**—Fine, large flowers of deep purple violet, shading off in the petals to a white hue. Pkt. 5c.

**CASSIER'S GIANT ODIER.**—Flowers of immense size, and are of the popular Odier type, being all three-spotted or five-spotted on backgrounds of very rich colors. The flowers of Cassier's are of good substance and fine form, of most compact growth. Pkt. 15c.

**MAMMOTH BUTTERFLY.**—A pansy of matchless forms, colors and markings with flowers half as large again as ordinary pansies. Pkt. 10c.



MASTERPIECE.

**NEW RAINBOW.**—The best novelty in pansies and the most charming variety ever sent out. We consider the name appropriate owing to its beautiful iridescent colors. Cut shows three leading types of variegation, but no illustration can do justice to its superior beauty. In a good sized bed are a hundred different varieties but not a poorer one or an inferior. Flowers of large size and perfect in form, nearly circular and have a rich, velvety appearance; will delight "pansy fanciers." Pkt. of 100 seeds 25c.

**PANSY COLLECTION.**—One packet of each of varieties on this page \$1.75.



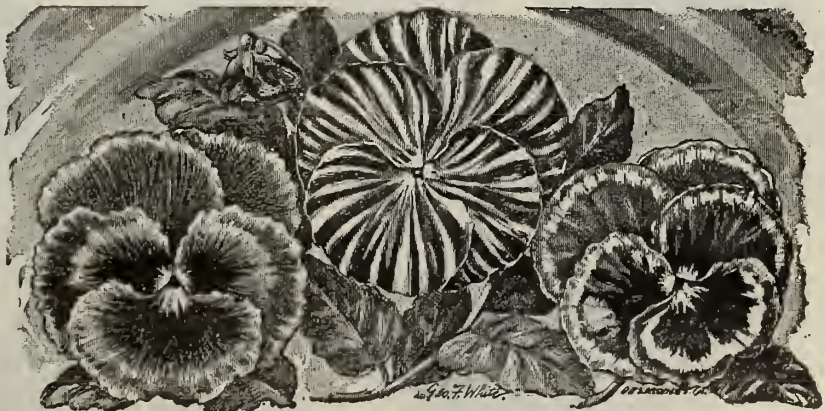
MADAM PERRITT OR WINE SHADES.

**INTERNATIONAL MIXTURE.**—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. Also 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. Pkt. 20c; ¼ oz. \$3.00; oz. \$10.00.

**IMPERIAL GERMAN MIXED.**—Magnificent flowers of richest hues; one of our most popular sorts and of a high standard of excellence. Pkt. 10c; ¼ oz. \$1.00; oz. \$3.50.

**LARGE FLOWERING MIXED.**—Pkt. 7c, ¼ oz. 75c, oz. \$2.75.

**FINE MIXED.**—Of many good sorts. Pkt. 5c, ¼ oz. 35c, oz. \$1.00.



NEW RAINBOW PANSIES.

PANSY PLANTS OF OUR BEST MIXTURES AT 50 CTS. PER DOZEN POSTPAID.





LATANIA BORBONICA PALM.

**ELEGANT PALMS.**

These for centuries past have been exclusively for the rich, the plants usually selling at \$3.00 to \$100.00 each, and in some cases fine plants of rarer sorts brought as high as \$1,500 each. It is now known, however, that they are easily grown from seed. Directions for growing printed on the packet.

**PHOENIX DACTYLIFERA.**—A native of northern Africa; beautiful for pot culture, and very hardy. This is the palm from which the date of commerce is obtained. Pkt. of 10 seeds 5c.

**WASHINGTONIA FILIFERA.**—Stands dust, dry air and lack of sunshine, its fan-shaped leaves fringed with long thread-like filaments. Pkt. of 12 seeds 5c.

**UMBRELLA PALM.**—(Cyperus)—See description with aquatic plants. Pkt. of 100 seeds 10c.

**LATANIA BORBONICA.**—This is the typical palm, is more largely used than any other; of strong, healthy habits; very desirable for house culture. Pkt. 6 seeds 10c.

**CHAMAEROPS EXCELSA.**—One of the very best plants for house culture in cool climates, and standing ill usage remarkably well. Pkt. of 10 seeds 10c.

**BANANA PALM.**—(Musa Ensete)—The leaves very long and broad, green, with crimson midrib. Pkt. of 3 seeds 10c.

**GRAND OFFER.**—One pkt. of each of the six elegant varieties of Palms mentioned above only 35c.

**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.

**SANDERAE HYBRIDS.**—A grand novelty and one which will delight all flower lovers. The Sanderae is of a beautiful rosy carmine color and blooms freely. These new hybrids have also the various shades of purple, pink, red, salmon, violet and white. Grows about two feet high, branches freely and is fairly loaded with flowers which are open all day instead of being a night bloomer like some other sorts. Sow seeds early in the house and transplant in May to the open ground. Mixed colors. Pkt. 15c.

**PETUNIA.**

No garden is 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 the single striped, mottled and double varieties have been greatly improved, and the cut gives but a faint idea of their great variety and beauty. Double varieties require care and should be started in the house.

**GIANT FANCY FLOWERED.**—A grand new strain and the finest selection of petunia in existence, of incomparable beauty, size and luxuriance. Most of the flowers are exquisitely ruffled or fringed on edges, and of enormous dimensions (4 to 5 inches across), unlimited varieties of colors, markings, veining, blotchings and stripings, in the most grotesque and beautiful combinations; with deep throats of charming yellow, white, black, green or maroon, running off into intricate veins. Some colors are rich and gorgeous, others are of lovely delicate shades. If you like beautiful petunias be sure to include this in your order. Produces very little seed and will always be high in price. Worth double its weight in gold. Pkt. 25c.

FANCY FLOWERED PETUNIA.

**DOUBLE INIMITABLE.**—A splendid mixture. Our seed is the best German grown, and will produce about 25 per cent of fine double flowering plants. Pkt. 25c.

**LITTLE PET.**—One of the prettiest little flowers we saw in looking over the thousands of acres of flowers in Germany, France, and other countries of Europe were these small flowered, compact growing, free blooming petunias. Round, bushy little plants about eight inches high, covered for months with beautiful flowers which are widely open and always look so fresh, bright and beautiful that the ladies "just love them." Most of the flowers have a distinct five-pointed star in the center and they are of a great variety of colors. Every flower lover will be delighted with them. Try them for solid beds, edgings or growing in pots. Pkt. 10c.

**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. 200 seeds 10c.

**FINE MIXED.**—Best of older sorts. Extra fine striped and blotched varieties. Pkt. 2c.

**PENTSTEMON GLOXINOIDES.**

We have always thought highly of the Pentstemon but when we saw this variety growing near Hartz mountains in Germany we were delighted and purchased the stock at once. Hardy perennial; if sown early will bloom first year. Of graceful growth with many spikes of Gloxinia-like flowers 2 inches across; of crimson, white, rose, purple, etc., beautifully edged and marked; blooms June to October. Give rich soil and good culture. Pkt. 10c.

**PORTULACA.**

**GRANDIFLORA SINGLE MIXED.**—An old favorite, brightest in hot weather when other flowers are drooping. A splendid mixture. Pkt. 3c.

**DOUBLE MIXED.**—Very handsome and double as rose. Distinct colors. Pkt. 10c.

DOUBLE PORTULACA.

**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.

**OENOTHERA.**

(Evening Primrose.)

Blossoms fully expand only towards and during evening. Three to four inches across. Hardy annual. Mixed white and yellow. Pkt. 5c.

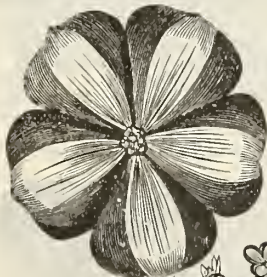
**OXALIS.**

Exceedingly free-flowering little plants with lively foliage, and covered with bright flowers from June to September. Useful for edgings. Choice mixed. Pkt. 5c.

**PYRETHRUM.**

**GOLDEN FEATHER.**—Beautiful golden leaved foliage plants of special value for borders and ribbon beds. Pkt. 5c.

**ROSEUM.**—It is from this that the Persian Insect Powder is made. Flower large, yellow and rose colored. Pkt. 8c.



LITTLE PET PETUNIA.



FANCY FLOWERED PETUNIA.

high in price. Worth double its weight in gold. Pkt. 25c.

**DOUBLE INIMITABLE.**—A splendid mixture. Our seed is the best German grown, and will produce about 25 per cent of fine double flowering plants. Pkt. 25c.

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**PORTULACA.**

**GRANDIFLORA SINGLE MIXED.**—An old favorite, brightest in hot weather when other flowers are drooping. A splendid mixture. Pkt. 3c.

**DOUBLE MIXED.**—Very handsome and double as rose. Distinct colors. Pkt. 10c.



DOUBLE PORTULACA.

TRY A COLLECTION OF PALM SEEDS THIS YEAR. SUCCESS MEANS GREAT PLEASURE.





**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.

**FIRE BALL.**—Brilliant, dazzling scarlet; very handsome dwarf; compact. Pkt. 5c.

**GRANDIFLORA ALBA.**—Pure white, very large flowers, constantly in bloom. Pkt. 5c.

**CUSPIDATA OR STAR.**—Petals run out in little spines, giving the flowers a beautiful effect. Many colors. Pkt. 10c.

**DOUBLE PEARL.**—A grand variety, introduced by us in 1888. By constant selection we have 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.**—Special large flowering strains selected with great care for many years, until we now have an ideal flower of immense size and in beauty of color unsurpassed. 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. Pkt. 8c.

**JUBILEE.**—An entirely new color in Phlox, a bright yellow; flowers nearly size of a twenty dollar gold coin. Pkt. 8c.

**FRINGED MIXED.**—Very handsome. The flowers are of the most velvety colors and handsomely fringed. Pkt. 7c.

**MIXED VARIETIES.**—Mixture of common sorts. Pkt. 5c.

**PERENNIAL MIXED.**—Splendid hardy plants which bloom continuously after the second year. Pkt. 5c.

**POPPIES.**

This grand old flower has kept pace with the march of improvement and now surprises us with its new forms, new sizes and new colors.

**ROSY MORN.**—Is really superb. Flowers are extremely double and of good size, forming perfect balls of unique and beautiful shade of rose—a new and distinct color in poppies; of easiest possible culture, belonging to the annual peony flowered section. Pkt. 7c.

**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.

**AMERICAN FLAG.**—Flowers extra large, very double, snow white, bordered with scarlet, thus making an extra choice, very showy variety, that should be popular. Pkt. 5c.

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

**ANNUAL VARIETIES MIXED.**—Pkt. 3c.

**ORIENTAL HYBRIDS.**—For brilliancy of color, nothing to equal these Oriental Poppies. Flowers of enormous size, often measuring over 6 inches in diameter; colors range from soft flesh and rose to the most brilliant dazzling scarlet and richest maroon purple. Culture is simple. Perfectly hardy perennials living through winter with but little protection, increasing in size and beauty every year. Pkt. 10c.

**ICELAND.**—Flowers first year from seed. Colors from purest white to deepest orange scarlet; delicious fragrance. For vase and house decorations among loveliest. Pkt. 10c.

**SANTA ROSA MIXED.**—Improved by Mr. Burbank from the Shirley poppy; unusually large flowers of remarkably clear colors, including

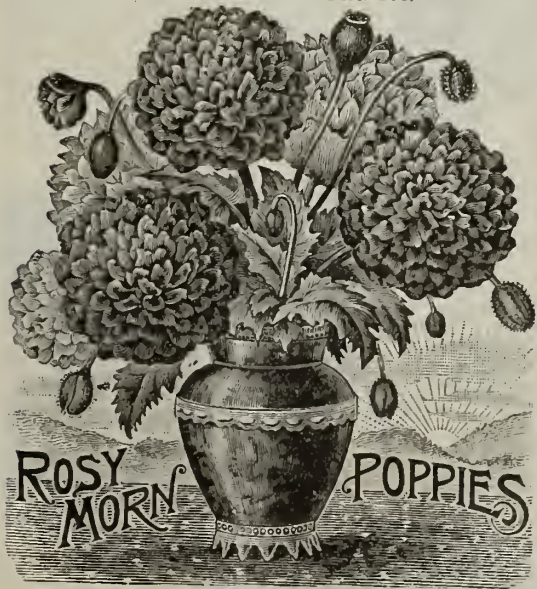
new striped, salmon and blush shades. Petals beautifully crumpled. Pkt. 10c.

**GRASS PINKS.**

The hardy and pretty clove-scented flowers so much loved by our grandmothers. Their fragrance quickly noticed in passing the yard where grown. There has been quite a call for these for several years. Flowers range from pure white to dark pink, most, however, being a clear delicate pink color. A hardy perennial desirable for borders. Pkt. 5c.



IMPROVED GRASS PINK.



ROSY MORN

POPPIES





RICINIUS CAMBOGIENSIS.

**SCABIOSA.**

(Or Mourning Bride.)

**DOUBLE DWARF MIXED.**—One of our handsomest border plants, producing in great profusion very double flowers in a variety of shades and colors; a splendid flower for table bouquets, etc. Is rapidly becoming popular because of the striking beauty of the flower in form and color. Pkt. 5c.

**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.

**MRS. C. N. PAGE.**—Dwarf, free blooming variety. Much earlier than Splendens and brighter color. Nothing will make such brilliant show as a bed of Salvia and it is especially fine for bordering canna beds. Offered in seed for the first time though we introduced it in plant form two years ago and it has proven exceptionally popular. Pkt. 20c.

**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.

**STOKESIA CYANEA.**

A beautiful plant sometimes known as Cornflower Aster; blooms from July to October; blossoms look like Centaurea and are of a beautiful lavender blue color. Pkt. 5c.

**SWEET SULTAN.**

**GIANT FLOWERING.**—A grand improvement on the old favorite Sweet Sultan, producing long stemmed blossoms 3 to 4 inches across, of graceful, airy effect, and most deliciously fragrant.

The colors are varied from glistening white through shades of red, blues, lilac, royal-purple, etc. For bouquets, vases, or as corsage flowers of exceptional value. If cut scarcely opened will last for ten days in water. Plants of the easiest culture, flowering freely in garden first summer from seed sown in the spring. Strong bushy form 2 to 3 feet high. Pkt. 10c.

**SALPIGLOSSIS.**

One of the most beautiful of flowering annuals, forming strong, bushy plants about 18 inches high, bearing throughout the season large flowers 3 to 4 inches across, of many beautiful colors. Sometimes called Painted Tube Tongue.

**NEW VARIEINED.**—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 frost. Pkt. 8c.



MRS. C. N. PAGE SALVIA

**SHELL FLOWER, or Moleuca Balm.**—Robust and easily grown, two to 3 feet high, sending up a strong central stem with numerous branches, each surrounded by flowers. When cut emits a strong fragrance of balm. Per pkt. 10c.

**RICINUS.**

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

**CAMBOGIENSIS.**—This beautiful plant grows to a height of 8 feet, and of most stately, majestic, tropical appearance. Has 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.

**ZANZIBARENSIS.**—Grows to a height of 12 to 14 feet, with leaves 2 to nearly 4 feet across. A handsome specimen plant for lawns. The different varieties included in our mixture have light and dark green leaves and some coppery bronze, changing to dark green, with reddish ribs. Pkt. 5c.

**SANGUINEUS TRICOLOR.**—Blood red stalk; very attractive. Pkt. 5c.

**ALL VARIETIES MIXED.**—A mixture of above and other choice varieties. Pkt. 4c.

**STOCKS.**

Sometimes called Giliflowers. 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 reward good treatment with remarkable pyramids of bloom.

**PERPETUAL WHITE.**—(Princess Alice or Cut and Come Again)—Strong growth, fine branching habit, and if sown early will bloom from May until November. Flowers very large and pure white, and the more they are cut the better they like it. Deliciously fragrant. Pkt. 10c.



PERPETUAL WHITE STOCKS.

**LARGE FLOWERING DWARF GERMAN.**—Most popular flower with our German customers. Our mixture contains a great variety of colors. Pkt. 5c.

**FAIRY ROSES.**

These remarkably beautiful little roses very easily grown from seed. The roses are on y 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 will commence blooming in a few weeks after the seed is sown, and continue in uninterrupted profusion from May until frost. Nice for pot plants for winter blooming. Pkt. 10c.

**MIMULUS.**

**TIGRINUS.**—(Monkey Flower)—Very showy and free flowering. The hardy kinds are well suited for outdoor culture. Any common soil suits. Mixed sorts. Pkt. 10c.

**MOSCHATUS.**—The well known musk-plant, quite pretty, and has a strong musk fragrance. If better known this we are sure would grown as the odor is pleasant and a nice plant also for pot culture. Per pkt. 8c.



SCABIOSA.

FAIRY ROSES.

be largely refreshing.



VARIEINED SALPIGLOSSIS.

TRY MRS. O. N. PAGE SALVIA SEED, OFFERED THE FIRST TIME THIS YEAR



**SUNFLOWER.**

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

**GLOBE OF GOLD.**—Dwarf, well branched plant growing about 3 ft. high, 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. Easily grown from seed and produce handsome, symmetrical plants effective on lawns or garden. Pkt. 7c.

**EXCELSIOR BRANCHING.**—This new plant caused great attention in Europe last year, being known there as *H. Cucumerifolius Grandiflorus*. Has a single flower about 5 inches across producing pyramid of bloom. Pkt. 10c.

**SILVER LEAVED.**—Few would imagine it a sunflower. Grows 3 or 4 feet high, forming a perfect pyramid. Leaves are long and densely covered with long white hairs which give it a peculiar shining, silvery appearance. Flowers are a clear golden yellow, 3 to 4 inches across, small dark brown centers. Pkt. 5c.

**PEERLESS MIXED.**—A splendid assortment of fifteen of the best varieties grown together on our grounds. Includes some both curious and desirable. Pkt. 5c, oz. 15c.



**SWEET WILLIAM.**

**SINGLE MIXED.**—Hardy plants one foot high, of extreme richness and variety of color, and deliciously sweet-scented; for clumps or borders unsurpassed. Our mixture is the large flowered and contains many beautiful colors and markings. Pkt. 5c.

**DOUBLE MIXED.**—This grows same as preceding, but the florets are densely double and full centered. While beautiful, they are not as popular as the single-flowered. Pkt. 5c.

**WALLFLOWER.**

Greatly prized for their exquisite fragrance. Grow in long, brilliant colored spikes of flowers. Plants removed to pots in autumn will produce abundance of delightfully fragrant flowers of many choice colors.

**DOUBLE VARIETIES MIXED.**—Pkt. 10c.

**SINGLE VARIETIES MIXED.**—Best single and semi-double. Pkt. 3c.

**EARLY FLOWERING MIXED.**

—Flowers early the first season from seed, blooming in profusion from early June until late autumn frosts. Blossoms large size and borne in compact short spikes or clusters and are exceedingly sweet scented. Also hardy and bloom well the second year. Colors range from yellow to dark brown, striped, etc. Pkt. 8c.

**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 are 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. Per pkt. 5c.

**TORENIA.**

**FORNIERE.**—These are beautiful free flowering, trailing plants, well suited for baskets, vases, and in moist situations out of doors. A handsome plant; not hardy. Pkt. 10c.



**NEW CENTURY MAMMOTH VERBENA.**

as the Arbutus or Mayflower, its branches creeping over the ground and hugging it closely. Its blossoms are of the same shape and about the same size. Has lovely pink and white color, making its flowers resemble the arbutus and has the same fragrance. Pkt. 10c.

**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 illustration showing a flower of dark scarlet with white eye. Pkt. 15c.

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

**DEFIANCE.**—A true scarlet; extra fine. Pkt. 10c.

**BLUE MIXED.**—Desirable. Blue, purple and lavender varieties. 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 sweet violet so generally popular. All colors mixed; seeds start slowly. Pkt. 10c.



**GLOBE OF GOLD SUNFLOWER.**

**MAMMOTH RUSSIAN.**—Largest of all, showy and most profitable to grow for feeding purposes. Pkt. 5c, lb. 25c.

**BABY.**—(*Helianthus Perkeo*)—Is less than two feet high, loaded at all times with lovely Cosmos-like blossoms, of perfect shape and wide spreading petals. Rich, deep yellow, with black center. Pkt. 5c.

**VERBENA.**

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.

**AUBLETIA.**—Of much more robust, vigorous growth than the common Verbenas, as well as more hardy and easily grown. Begins to bloom in June and gives constant succession. The plants are of somewhat drooping habit; branch freely; each stem surmounted by bloom, seeming to improve daily in appearance. Pkt. 15c.

**SWEET-SCENTED MAYFLOWER.**

—This is of the same trailing habit as the Arbutus or Mayflower, its branches creeping over the ground and hugging it closely. Its blossoms are of the same shape and about the same size. Has lovely pink and white color, making its flowers resemble the arbutus and has the same fragrance. Pkt. 10c.



## EVERLASTINGS AND GRASSES.

These are very attractive for winter decoration as they are of rich brilliant colors and are fine for winter bouquets. Cut when in full bloom, tie in small bunches and hang, heads downward, to dry.

**AMOBIMUM.—Alatum Grandiflorum.**—A pretty everlasting, double white flower. Pkt. 4c.

**ACROCLINUM.—Mixed Colors.**—Everlasting, bearing large double flowers. Pkt. 3c.

**AUSTRALIAN STAR FLOWER.**—(Cephalopterum Drummondii)—An improved strain. This unique plant grows readily from seed in any ordinary garden soil, preferring a rather sandy one. Blooms early in the season and continues in bloom for a long time. The fragrant flowers are of a peculiarly rosy crimson shade, sometimes approaching pure white, are produced in large, graceful clusters which, when cut, will retain their form and color in perfection permanently. Sow early in the open ground, or may be started early in the house and transplanted. Pkt. 10c.

**GLOBE AMARANTH.**—(Gomphrena)—Mixed colors. Popularly known as "Bachelor Buttons." Handsome, globular heads of flowers which, if cut when well matured, will retain their beauty through the winter; colors purple, white, flesh colored, orange and striped. Pkt. 5c.

**PENNISTEMUM.—Rueppellanum.**—A handsome grass commonly called Purple Fountain Grass. Pkt. 10c.

**RHODANTHE.—Maculata.**—One of the finest and most beautiful of 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.

**XERANTHEMUM.**—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.



MONSTER HELICHRYSUM.

**GOLD AND SILVER FLOWER.**—Silvery white flower, golden center. Pkt. 10c.

**HELICHRYSUM.—Monster Mixed.**—A very pretty and popular hardy annual bearing large double flowers of different shades and colors, ranging from white to yellow, rich red, scarlet. Best everlastings. Pkt. 5c.

**JOB'S TEARS.**—An ornamental grass known botanically as Coix Lachryma. Grows 2 to 3 feet high, with broad, corn-like leaves. Pkt. 5c. We also offer choice seeds of glossy pearl color, a special variety, which are used for necklaces, basket and raffia work, and in strings for portieres. Not sold for germination. Oz. 10c; 1/2 lb. 35c, lb. 75c.

**PENNISTEMUM.—Rueppellanum.**—A handsome grass commonly called Purple Fountain Grass. Pkt. 10c.

**RHODANTHE.—Maculata.**—One of the finest and most beautiful of 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.

**XERANTHEMUM.**—Free flowering and easily grown, making a handsome bed. All kinds mixed. Pkt. 10c.



RODANTHE.



GLOBE AMARANTH.



MIXED GRASSES.

## SPECIAL MIXTURES IN 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 of growing flowers from this mixture. Select a light, rich soil, as free from weeds as possible, plant in this latitude about the first of May. Pkt. 5c, 1/2 oz. 20c; oz. 35c.

**MIXED BIENNIALS AND PERENNIALS.**—About fifty varieties. Every garden should contain a good assortment and it will be easily obtained in this way. Pkt. 10c.

**MIXED EVERLASTINGS.**—A grand assortment of all sorts of everlasting flowers, suitable for bouquets, etc. Pkt. 10c.

**LOW GROWING ANNUALS.**—This mixture contains seed 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.

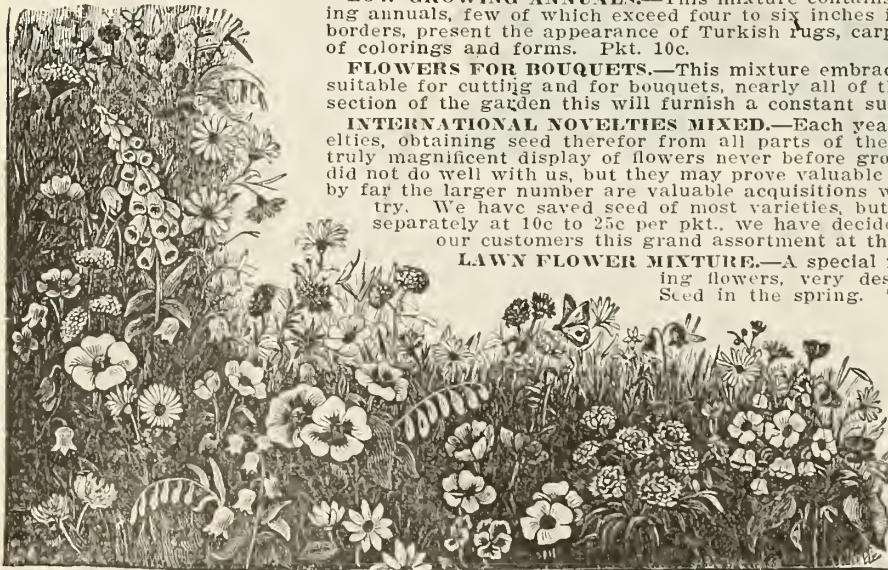
**FLOWERS FOR BOUQUETS.**—This mixture embraces seeds of annuals producing flowers suitable for cutting and for bouquets, nearly all of them having long stems. Planted in a section of the garden this will furnish a constant supply of cut flowers. Pkt. 10c.

**INTERNATIONAL NOVELTIES MIXED.**—Each year we make a grand test of floral novelties, obtaining seed therefrom from all parts of the world, and our trial fields exhibit a truly magnificent display of flowers never before grown here. A few of the new varieties did not do well with us, but they may prove valuable in other climates or on different soils; by far the larger number are valuable acquisitions which we would like our customers to try. We have saved seed of most varieties, but instead of listing them in catalogue separately at 10c to 25c per pkt., we have decided to mix them all together and offer our customers this grand assortment at the low price of 10c per pkt.; 3 for 25c.

**LAWN FLOWER MIXTURE.**—A special mixture of low growing, quick blooming flowers, very desirable for sowing with Lawn Grass Seed in the spring. They come up quickly, afford shelter

for grass seed and will bloom by the time the grass requires cutting the first time. Also desirable for sowing on an old lawn very early in the season. Price per ounce pkg. 25c.

**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 Everlasting into winter ornaments; they lend a grace and beauty not obtainable without them. Per pkt. 5c.



OUR MIXED FLOWER SEEDS ARE FROM CHOICE FRESH SEED AND WILL GIVE SATISFACTION.



# ORNAMENTAL CLIMBERS.



ADUMIA.

Nothing adds more to the homelike appearance of a place than to have the pleasant shade of vines over the porches and climbers on trellises, trees, fences and outbuildings. We list them here together so that our customers can make selection. Notice also the list of hardy permanent vines on pages 103 and 104.

**ADUMIA CIRRHOSA.**—Has a striking resemblance to foliage of the Maiden Hair Fern. It is a hardy biennial climber, growing readily from seed; foliage feathery, dainty and picturesque; blooms second year; pink and white flowers. Plant in cool, moist place. Pkt. 10c.

**AMPELOPSIS VEITCHII, or Boston Ivy.**—Described on another page with Hardy Vines. Per pkt. 5c.

**BALLOON VINE.**—A pretty, rapid growing climber, succeeding best in warm situation. Flowers white followed by balloon-like seed pods. Pkt. 5c.

**ERYNOPSIS.**—Beautiful summer climber with yellow flowers, followed by pretty, cherry-like green fruits, which change to bright scarlet, marbled with white. Pkt. 5c.

**COBOEA SCANDENS.**—A magnificent climber of rapid growth and beautiful blue flowers. The seed should be planted edgewise. Per pkt. 10c.

**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.

**CYPRESS VINE.**—A beautiful, rapid climber with delicate dark green foliage, and an abundance of star-shaped scarlet and white blossoms. Pkt. 5c.

**Scarlet.**—Very bright. Pkt. 5c.

**White.**—Pretty contrast with scarlet. Pkt. 5c.

**Mixed Colors.**—Above mixed. Pkt. 3c, oz. 30c.

**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 orange-scarlet flowers stand out in countless numbers. Pkt. 7c.



MOONFLOWER.



GOURDS

**DOLICHOS.**—(Hyacinth Bean)—Mixed colors. A rapid growing annual climber flowering freely in clusters, followed by ornamental pods. Fine for arbors or porches. Pkt. 5c.

**Princess Helene.**—A beautiful white, sweet-scented variety. Pkt. 10c.

**Daylight.**—A choice climber, the vines growing quickly to a height of 8 to 10 feet, and blossoms profusely from base to summit, the large spikes of pure white flowers standing out boldly from the rich foliage. As the flowers drop from the long spikes they are succeeded by broad, velvety, showy white pods which retain their purity and freshness of color a long time. Pkt. 5c, oz. 20c.

**Darkness.**—A good companion for above. Both stems and underside of its leaves purplish red. Pea-like flowers; it blooms early. Pkt. 5c, oz. 20c.

## WIRE TRELLIS.

Galvanized wire poultry netting four feet wide makes the best support for the Sweet Pea; can also be used nicely for most vining plants; 10-foot length 40c, 50-foot length \$1.75. Not prepaid.



GALVANIZED WIRE NETTING.



JAPANESE VARIEGATED HOP.

**HUMULUS.**—(Hop)—New Japanese Variegated.—Handsome and distinct climbing vine, valuable for trellis and high places. The leaves are strikingly marked and blotched with silvery white tinged with yellow. Pkt. 10c.

## JONAH'S GOURD.

"And the Lord prepared a gourd and made it come up over Jonah that it might be a shadow over his head."—Jonah 4:6.

Four years ago one of our friends was traveling in Asia and the Holy Land, and in driving through the country near Joppa he noticed a peculiar vine which grew about 50 or 60 feet in length along a fence. He was interested in it, and on making inquiry found that in that country it went by the name of Jonah's Gourd, and is probably the variety which sheltered the prophet. After considerable trouble, he secured some of the seed and presented them to us. We have grown them both on our trial grounds and our farm and were much pleased with plant. It grows with wonderful rapidity and will quickly climb to the top of tall trees and therefore will be useful for covering old trees, walls, porches, outbuildings, etc. Leaves are quite large, flowers are pure white, two or three inches in diameter, and the fruits are of great length, resembling the well known Hercules Club variety. Our illustration was made from a photograph of the residence of J. B. Hammond, on one of the finest streets of Washington, D. C. Mr. Hammond says that President Roosevelt saw and greatly admired it. The two vines covering the house were very attractive and produced seven large gourds. Pkt. of 12 seeds for 10c, 2 pkt. for 25c.

**GOURDS.—Ornamental Mixed.**—A mixture of the odd shaped and fancy colored sorts. Contains some of the most popular and handsome foreign varieties. Pkt. 5c, oz. 30c.

**MAURANDIA.**—Delicate climber for windows or conservatories. Admirable to hang from vases. Pkt. 10c.

**MOONFLOWER — White.**—(Ipomoea Grandiflora)—One of the grandest of summer climbers, growing twenty-five to forty feet high, and covered nightly and on dull days with beautiful white and moon-like flowers from five to six inches in diameter. Fragrant. Pkt. of 10 seeds, 7c.

**Blue.**—(Ipomoea Leari)—Distinct and charming novelty; in striking contrast to the true White Moonflower. Color is exquisite clear, satiny blue with well defined crimson bars. Pkt. 10c

**MONORDICA—Mixed.**—A rapid growing vine bearing large, bright colored fruits known as Balsam Apple and Balsam Pear. Pkt. 5c, oz. 25c.



CANARY BIRD FLOWER.



JONAH'S GOURD ON RESIDENCE IN WASHINGTON.

NO HOME IS COMPLETELY ADORNED WITHOUT A FEW VINES



# SWEET PEAS.

Well called America's favorite, so popular and easy to grow that rich and poor can enjoy its fragrance and beauty. Out of 200 varieties examined we chose the following as very best.



**IMPERIAL MIXED.**—Sixty of best sorts carefully selected so as to get the proper proportion of each color in assortment. Makes the choicest mixture ever offered. Illustration shows bunch of various colors and we are sure our customers will be pleased with them. Pkt. 5c, oz. 10c, ¼lb. 25c, 1b. 75c.

**AMERICA.**—Clear scarlet on a white ground. Pkt. 5c, oz. 10c, ¼lb. 25c.

**AURORA.**—Extra large flowers, flaked and striped bright salmon on a white ground. Pkt. 5c, oz. 10c, ¼lb. 20c.

**BLACK KNIGHT.**—Rich glossy blackish maroon. Immense bold attractive flowers borne in greatest profusion. Pkt. 5c, oz. 10c, ¼lb. 30c.

**COUNTESS SPENCER.**—Truly a gigantic new variety of finest form and coloring. The standard and wings are broad and well spread. The coloring is a silvery white, suffused with soft rose-pink, which deepens at the outer edges and becomes still richer and more heavily suffused in cool weather. In size, form and coloring Countess Spencer is simply exquisite and beyond the power of words to describe. Pkt. 5c, oz. 15c, ¼lb. 40c.

**DOROTHY ECKFORD.**—The largest flowered white variety. Great bloomer. Pkt. 5c, oz. 10c, ¼lb. 25c.

**EARLIEST OF ALL.**—Very early; a bright pink with white wings. Pkt. 5c, oz. 10c, ¼lb. 30c.

**EMILY HENDERSON.**—An extra fine pure white variety. Pkt. 5c, oz. 10c, ¼lb. 20c.

**EMILY ECKFORD.**—A superb large flower of rose heliotrope purple color. Pkt. 5c, oz. 10c, ¼lb. 20c.

**EXTRA EARLY BLANCHE FERRY.**—Earliest of all. A beautiful light rose and white. Delicately handsome. Pkt. 5c, oz. 10c, ¼lb. 20c.

**GRAY FRIAR.**—White clouded and dotted lilac. Decidedly odd and attractive. Pkt. 5c, oz. 10c, ¼lb. 25c.

**HON. F. BOUVERIE.**—Pinkish salmon at base of standard and wings shading to light salmon and buff at edges. Pkt. 5c, oz. 10c, ¼lb. 25c.

**KING EDWARD VII.**—A true giant flowered variety, brighter than either Mars or Salopian; in fact, best dark red in existence. Pkt. 5c, oz. 15c, ¼lb. 40c.

**LADY GRISEL HAMILTON.**—Light lavender with azure blue wings. Pkt. 5c, oz. 10c, ¼lb. 30c.

## IMPERIAL MIXED SWEET PEAS.

**LOVELY.**—The most beautiful shades of soft shell-pink, shading to very faint rose at the outer edges. Pkt. 5c, oz. 10c, ¼lb. 20c.

**MONT BLANC.**—Large white flowers, free blooming and the earliest of all whites. Pkt. 5c, oz. 10c, ¼lb. 25c.

**MAID OF HONOR.**—Light blue on a white ground, edged with deep violet. Pkt. 5c, oz. 10c, ¼lb. 25c.

**MRS. KENYON.**—A decided novelty in Sweet Peas, being a very pretty large flowered sort, of a handsome primrose or yellow color. You should have it if you want at attractive new color in your mixture. Pkt. 5c, oz. 10c, ¼lb. 25c.

**OTHELLO.**—A beautiful dark brown chocolate red self-colored. Pkt. 5c, oz. 10c, ¼lb. 20c.

**PRINCE OF WALES.**—A bright, self-colored, deep-rose flower of grand size and beautifully hooded form; frequently four on stem. Pkt. 5c, oz. 10c, ¼lb. 25c.

**MRS. WALTER WRIGHT.**—Of pinkish cream, changing to reddish purple; large. Pkt. 5c, oz. 10c, ¼lb. 30c.

**ROYAL ROSE.**—Beautiful clear rose. Pkt. 5c, oz. 10c, ¼lb. 20c.

**NAVY BLUE.**—A great novelty and the darkest and truest blue of any variety in existence. A free bloomer. Pkt. 5c, oz. 10c, ¼lb. 30c.

**PRIMA DONNA.**—A soft shade bright rose-pink, with deeper coloring in center of standard and inner portion of wings. Pkt. 5c, oz. 10c, ¼lb. 25c.

**RAMONA.**—Flower creamy white and striped and flaked bluish pink. Pkt. 5c, oz. 10c, ¼lb. 20c.

**CUPID MIXED.**—Of dwarf growth. Flowers are pretty and freely produced. Mixed colors. Pkt. 5c, oz. 10c, ¼lb. 25c.

**CALIFORNIA GIANT.**—Tourists from the east are always greatly surprised and delighted with the

Sweet Peas which bloom so freely in California. One of the best growers there who has been growing Sweet Peas

for us during the past twelve years and who devotes about fifty acres annually to their culture, has, during the past few years, been selecting seed from the specially large flowers and we now offer it in a splendid mixture. No matter a trial. Pkt. 5c, oz. 15c, ¼lb. 40c. what other flowers you grow, give these

**MRS. DUGDALE.**—Standard rose, the wings primrose shaded and splashed rose. Pkt. 5c, oz. 10c, ¼lb. 25c.

**BUSH VARIETIES MIXED.**—Of distinct upright growth, forming a bush instead of climbing; many colors. Pkt. 5c, oz. 10c, ¼lb. 25c, 1b. 75c.

**PERFECTED MIXED.**—Of graceful form, charming color, exquisite fragrance and simple loveliness. This mixture contains many choice new varieties and some old favorites. Pkt. 5c, oz. 10c, ¼lb. 20c, 1b. 50c.

**FINE MIXED.**—A nice mixture for a very low price. Pkt. 2c, oz. 5c, ¼lb. 15c, 1b. 35c.

**NEW DOUBLE SWEET PEAS.**—By hybridizing 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. Try them. Pkt. 5c, oz. 10c, ¼lb. 30c, 1b. 85c.

**COLLECTION.**—One packet each of above 32 varieties for 90 cents.

**PERENNIAL SWEET PEAS.**—(Lathyrus)—A very popular perennial variety wherever known and it should be more generally used. Mixed colors. Bloom second year. Pkt. 5c, oz. 20c.



**MORNING GLORIES.—Imperial Japanese.**—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 or five inches across. The colors of the flowers, shading and markings are really wonders of nature, and of incomparable beauty. Double and single mixed. Pkt. 8c, oz. 25c.



DOUBLE FLOWERING MORNING GLORIES.

flowers very freely. They are white red or blue at the base of the larger petals. About 8 percent of seedlings will reproduce themselves true from seed. Pkt. 10c.

**Fringed Japanese.**—A splendid strain with beautifully fringed flowers presenting an add yet attractive appearance. Pkt. 10c, oz. 35c.

**PASSION FLOWER.**—Very desirable climbing plant. Sow seed early and if well cared for and seasons are favorable, vines will send out magnificent blossoms the first year, of pink, blue and white, very large and showy. Per pkt. 10c.

**RUNNER BEANS.—Scarlet Runner.**—A valuable climbing vine, belonging to the bean family, having bright scarlet flowers and pods; very showy as a climber, also valuable for table use. Pkt. 5c, ½ pint 20c.

**Arnbrian Runner.**—A beautiful variety of the above with striped scarlet and white flowers. Pkt. 5c, ½ pint 25c.

**Improved Climbing.**—A great improvement on the old climbing morning glory. Large size and great variety. Pkt. 5c, oz. 20c, ¼ lb. 60c.

**Fine Mixed.**—Mixture of old varieties. Pkt. 2c, oz. 10c, ¼ lb. 20c, lb. 60c.

**Brazilian.**—(Ipomoea 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 in across. Pkt. 10c.

**New Double Flowering.**—A splendid novelty of rapid growth, and produces its double with a slight spot of



PASSION FLOWER.



JAPANESE MORNING GLORIES.

**SMILAX.**—Considered the most beautiful of all vines for indoor growing and specially valued by florists for decorating and floral work all times of the year. The seeds start slowly and should be planted in loose, rich soil, and kept moist and warm. Pkt. 8c.

**THUNBERGIA.—Mixed Colors.**—(Black Eyed Susan)—Beautiful, rapid growing climbers for vases, trellises or rustic work. Flowers buff, orange, white, etc. Pkt. 5c.

**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 rapid growth, bearing in the spring immense panicles of purple flowers in great profusion. Per pkt. 10c.



SMILAX.

## VALUABLE BOOKS

"EMPTY YOUR PURSE INTO YOUR HEAD."

- It will pay to read some of the following books, sent postpaid on receipt of price
- Success with House Plants.**—A practical hand book for everyone who has even a small flower garden. By Lizzie Page Hillhouse. Price 50c.
  - A Cold Man in Front Yard.**—By C. S. Harrison. A most interesting and instructive book on beautifying the home place. Cloth, 280 pages, price \$1.00.
  - Fruit Harvesting, Storing and Marketing.**—By F. A. Waugh. Price \$1.00.
  - Henderson's Gardening for Profit.**—New edition. By Peter Henderson. \$1.50.
  - The ABC of Potato Culture.**—By T. B. Terry. Price 45c.
  - Tomato Culture.**—By A. I. Root, 135 pages. Price 35c.
  - Holden's Corn Book.** Price 25c.
  - Vegetable Gardening.**—By S. B. Green. A most practical, up-to-date book. Every market gardner should have a copy. 220 pages. Price \$1.00.
  - Fitz's Sweet Potato Culture.**—Cloth Price 60c.
  - E. P. Lee's Play and Profit in My Garden.**—Price \$1.00.
  - Amateur Fruit Growing.**—By Sam'l B. Green. Price 50c.
  - B. Green.** A practical guide for growing all small fruits and fruit trees 140 pages. Price 25c.
  - How to Grow Mushrooms.**—Price 10c.
  - Aquaria.**—By Chas. N. Page. A 64 page book on the care of gold fish, 15c, cloth 50c.
  - Henderson's Practical Floriculture.**—New edition. Price \$1.50.
  - Forage Crops.**—By Prof. Thos. Shaw. A practical book for stock farmers. 300 pages. Price \$1.00.
  - Horticulturist's Rule Book.**—By Prof. Bailey. Price 75c.
  - Feathered Pets.**—By Chas. N. Page. A complete new book on all kinds of cage birds. 140 pages. Cloth 75c, paper 25c.
  - Canary Breeding and Training.**—By the author of Feathered Pets. Tells the whole story. 80 pages 25c, Cloth 75c.
  - Parrots and Other Talking Birds.**—By Chas. N. Page. 25c, cloth bound 75c.
  - Common Sense in Poultry Raising.**—By Mrs. Wilcoxon. 25c.
  - Poultry Houses and Fixtures.**—50c.
  - Poultry Manual.**—A valuable book by Sewell & Tilson. 168 pages. Price 25c.
  - Reliable Poultry Remedies.**—25c.

### POPULAR FIFTY CENT BOOKS

BY PRACTICAL MEN ON SPECIAL SUBJECTS

- Cabbage, Cauliflower and Allied Vegetables.**—By C. L. Allen. Cloth 50c
- New Onion Culture.**—How to produce big crops. By T. Greiner. Price 50c.
- Asparagus Culture.**—A quite complete book. By F. M. Hexamer. Price 50c.
- Canning and Preserving.**—By Mrs. S. T. Rorer. Price 50c.
- Celery Culture.**—By W. R. Beattie. 50c.
- Landscape Gardening.**—By F. A. Waugh. Price 50c.
- Spraying Crops.**—By C. M. Wood. 50c.
- Practical Fruit Grower.**—By S. T. Maynard. Price 50c.
- Manual of Corn Judging.**—By A. D. Shamel. Price 50c.
- Alfalfa.**—By F. D. Coburn. Price 50c.



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, very profuse in bloom. It reaches height of 30 feet in one season. It is covered with clusters of white, sweet scented flowers, followed by an abundance of ornamental prickly seed pods. It will reproduce itself from self-sown seed every year. Pkt. 5c, oz. 20c.

**CLIMBING NASTURTIUM.**—Description and prices of different varieties on page 64.

## CLIMBING ROSES

If our customers only realized the importance and satisfaction there is in growing the climbing roses we fear that it would be impossible to supply the demand, although we have grown many thousands of plants for this year's trade. Notice the descriptive list of roses.



## FLOWER BULBS.



AMARYLLIS  
FORMOSISSIMA.

### AMARYLLIS.

**JOHNSONII.**—Of strong, vigorous growth, bearing from three to six brilliant red flowers on each stem. The petals are striped with white; very attractive; fragrant. Each 50c.

**FORMOSISSIMA.**—(Jacobean Lily)—Of extremely rich, deep velvety crimson. It is a free bloomer and succeeds well either in pots or in the open ground. Each 15c, 3 for 40c; 1 doz. for \$1.25.

**ATAMASCO.**—A fine little bulb for summer blooming, bearing pink and white flowers. Plant closely. Ea. 5c, doz. 50c.

### 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, clusters of delicate white flowers and delicious cinnamon odor it is a most desirable climber. We have a ways been short of these, but this year grew about 25,000 roots and hope to be able to supply the demand. We furnish the large tubers, postpaid, for 10c, 3 for 25c, dozen for 65c.

### CALLAS.

**MAMMOTH WHITE.**—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 white flowers. Large bulbs each 25c, 3 for 60c; medium size each 15c, 3 for 40c.



THE GEM CALLA.

Many of the most showy, attractive, inexpensive and easiest grown of all summer and autumn flowers are contained in this important class. There are scarcely any other flowers that can compare with the noble and brilliant spikes of the gladiolus, the grace and elegance of the lily, the purity and sweetness of the tuberose, the majestic foliage of the caladium, and the wonderful markings of the tigridia. Bulbs for spring planting require scarcely any care and quickly make a gorgeous display, while the bulbs can be kept over winter and year after year will return a hundredfold in beauty and satisfaction for the trifling expense of the original cost. For lilies and other hardy bulbs see pages 78 and 80. Our bulbs are large and strong and will be sent well packed, postpaid, on receipt of price, except where noted.



CALADIUM ESCULENTUM.



FANCY LEAVED CALADIUMS.



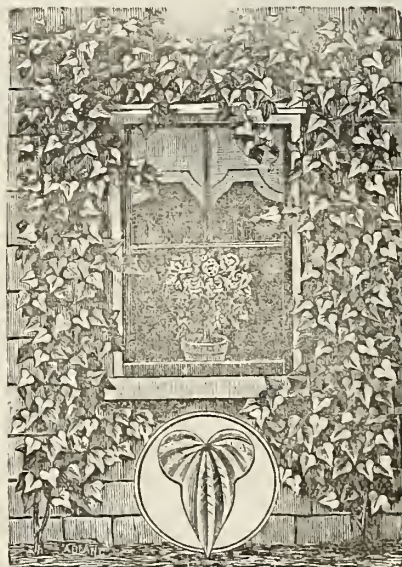
GIANT FLOWERING CALADIUM.

### CALADIUM.

**ESCULENTUM.**—(Elephant's Ear)—A splendid tropical plant, growing 4 to 5 feet, with immense leaves, beautiful veined and variegated with different shades of green. Very showy leaves, often growing three feet long. Of easy culture. Medium sized bulbs 10c, 3 for 25c; large bulbs 20c, 3 for 50c; mammoth 35c, 3 for \$1.00.

**FANCY-LEAVED.**—These have in recent years grown very rapidly in popular favor, not only for the decoration of the conservatory, greenhouse and window boxes, but nearly all of the varieties succeed admirably if planted out of doors, when the ground has become warm, in partly shaded, sheltered borders. Leaves variegated red, yellow, white, brown, green, etc. Many choice varieties mixed, each 20c, dozen \$2.00.

**GIANT-FLOWERING.**—A mammoth variety, growing 7 to 10 feet high and having leaves sometimes 4 to 5 feet wide, of a glossy bright green color, shining as if varnished. The flowers are of large size, pure white, and resemble a Calla Lily. Each 25c.



CINNAMON VINE.

**ELLIOTTIANA.**—This fine calla is identical with the Mammoth White in every respect, except the color, which is of bright golden yellow, so that the great value of this grand novelty can be readily appreciated. Each 50c.

**AURATA.**—A beautiful new variety with light yellow flowers. Each 30c.

**LITTLE GEM.**—A perfect miniature Calla, growing eight to twelve inches high, producing beautiful snow white blossoms. Begins to bloom when only a few inches high, blooms summer or winter. Growing plants each 15c, 3 for 40c.

**SPOTTED LEAF.**—An ornamental plant even when not in flower, the dark green leaves being beautifully spotted with white; fine for planting in the garden in summer. Each 10c, dozen \$1.00.

The Lemon Lily bulbs and the blue Spirea were received tonight. They were in fine shape and as green as when they were mailed. —Jos. A. Croft, Albany, Oregon.

I got a dozen Tuberose of you last spring. They all bloomed and were very beautiful; also pleased with seeds and bulbs received. —Mrs. W. H. Forman, McFall, Mo.

### HYACINTHUS CANDICANS.

**HYACINTHUS CANDICANS.**—Has stem 3 or 4 feet high, which bears quantities of drooping, ivory white, bell-shaped flowers of delicate fragrance. Appear like Giant Snow drops. Each 5c, dozen 50c.



HYACINTHUS CANDICANS.

REMEMBER, BULBS CAN BE KEPT THROUGH THE WINTER AND YOU DO NOT HAVE TO BUY NEXT YEAR.



# GLORIOUS CANNAS.

Such a great improvement has been made in Cannas during the past few years that they may well be called "glorious." They are now generally considered the most showy and effective bedding plants. They have tropical appearing foliage and showy flowers, some of which are truly orchid-like.

**A CROZY.**—Height 4 feet. Green foliage. Crimson scarlet with broad gold border. Each 15c, dozen \$1.50.

**ALLEMANIA.**—Foliage pea green and very wide; flowers an orange scarlet, lemon edge. Height 4 feet. Ea. 15c, doz. \$1.25

**ALPHONSE BOUVIER.**—Height 4½ feet. Leaves broad, dark green and of tropical appearance. Large heads of scarlet flowers. Each 10c, dozen \$1.00.

**ALSACE.**—Color is a creamy white, without any spotting, and when grown with the dark yellow and red varieties appears like clear white. Each 15c, dozen \$1.30.

**AMERICA.**—Height 4 feet. One of the handsomest of the bronzed leaved varieties. Leaves show some tinting of green applied in such a way that they appear as if striped. Flowers extra size, dark yellow, veined with red. Ea. 20c, doz. \$2.00.

**AUSTRIA.**—Height 6 feet. Beautiful canary yellow flower, large and open, dashes of red in petals. Each 15c, dozen \$1.50.

**MADAM CROZY.**—Height 3½ feet. Green foliage; flowers vermilion red, gold bordered; a succession of flower trusses. Each 10c, dozen \$1.00.

**BLACK BEAUTY.**—Undoubtedly has the darkest and most magnificent foliage of all purple-leaved cannas ever introduced. The leaves are black, shining purple. Flowers are glowing crimson but quite small. A fine plant for center of beds, vases, etc. Height 5 feet. Each 20c, dozen \$2.00.

**BLACK PRINCE.**—Height 5 feet. Immense orchid flowers, sometimes 5 inches across. Color dark maroon. Foliage green. Each 15c, dozen \$1.50.

**BURBANK.**—The well known Orchid Flowering Canna. The flowers are truly gigantic in size, the upper petals spreading fully 7 inches. Flower is rich canary yellow; crimson spots near center. Height 5 feet. Each 15c, dozen \$1.20.

**BUTTERCUP.**—Beautiful clear yellow flower; large spikes. Each 15c, doz. \$1.50.

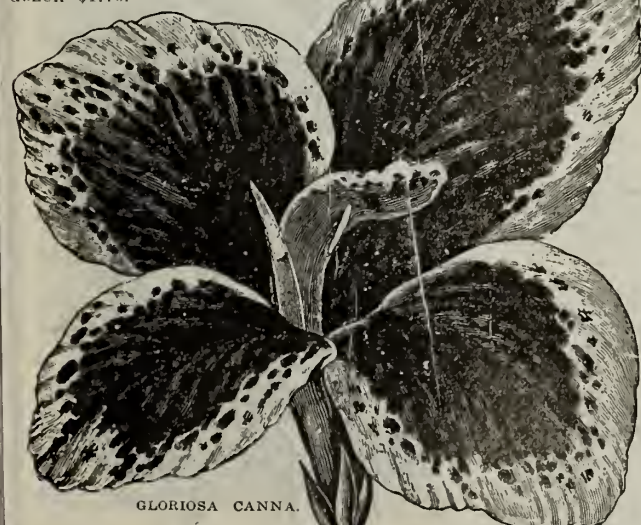
**CALIFORNIA.**—Rare and handsome; color a pure rich orange gold, no other like it. Has nearly all the good qualities combined, good habit of growth, large flowers, erect head, and blooms freely; green foliage. A color that always looks well. Height 4 feet. Each 15c, doz. \$1.50.

**CHARLES HENDERSON.**—Four feet high. Green foliage; one of the finest bedding plants in existence as it is of compact and vigorous growth and free bloomer; deep, rich crimson. Each 10c, doz. \$1.00.

**CHICAGO.**—Height 4½ feet. A clear vermilion scarlet; flowers and heads very large. Each 15c, dozen \$1.25.

**CRIMSON BEDDER.**—One of the most showy flowered. Bright crimson scarlet. Each 15c, doz. \$1.25.

**DAVID HARUM.**—Large bright vermilion flowers dotted with crimson, bronze foliage. Height 4 feet. Each 20c, dozen \$1.75.



GLORIOSA CANNA.

**MIXED BEDDING CANNAS.**—Each 8c, dozen 75c.

**WYOMING.**—One of the most majestic flowering cannas in orchid-flowering class, with a luxuriant growth of rich, purple foliage. Above are borne great plumes of massive orange-colored blossoms with large rounded petals. 7 feet. Ea. 15c, doz. \$1.50.



NIAGARA.  
FLORENCE VAUGHAN,  
MAD. CROZY CANNAS.

**DUKE OF MARLBORO.**—Height 4 feet. Deep crimson maroon. Ea. 10c, doz. \$1.00.

**FLORENCE VAUGHAN.**—Is 5 feet high. Dark green foliage; yellow flowers, spotted with bright red. Fine for bedding. Each 10c, dozen \$1.00.

**GEORGE BIRDE.**—Height 3½ feet. Canary yellow, spotted carmine. Colors clear and distinct. Each 20c, dozen \$2.00.

**GLORIOSA.**—One of the most beautiful and grandest varieties ever brought out; height 2 to 2½ feet, with bright green foliage. Rich crimson scarlet with a distinct golden band around each petal, blending so as to make a perfect "symphony of crimson and gold." Each 20c, dozen \$2.00.

**INDIANA.**—Height 6 feet. Foliage glossy green. Flowers golden orange, marked and striped with bright red. Spikes of flowers thrown up above foliage. Each 15c, dozen \$1.50.

**MRS. KATE GRAY.**—Immense orange scarlet flowers flaked yellow. Height 6 feet. Each 20c, dozen \$2.00.

**KING HUMBERT.**—One of the grandest new cannas ever offered. Has flowers as large as the largest of the orchid flowering cannas. Bright orange-scarlet streaked with crimson. Foliage is bronze with brownish green stripes, large, thick and leathery. Strong grower; height 4 feet. Each 25c, dozen \$2.50.

**LOUISIANA.**—Orchid flowered, color vivid scarlet. A strong grower; height 6 feet. Foliage green. Each 25c, dozen \$2.00.

**MARTHA WASHINGTON.**—Height 3½ feet. Foliage green. Flowers clear rose pink, large and bright. Each 15c, dozen \$1.25.

**MILLE BERATT.**—Brightest pink. Flowers profusely. Height 3½ feet. Ea. 15c, doz. \$1.50.

**MILWAUKEE.**—Height 3½ feet. Listed by some as the darkest flowered maroon. Foliage green. Each 15c, dozen \$1.50.

**MONT BLANC.**—The nearest pure white of any canna ever offered. The flowers are large and showy. Each 20c, dozen \$2.00.

**NIAGARA.**—Height 3 feet. Color deep crimson, with border of golden yellow—a flaming contrast. Ea. 15c, doz. \$1.50.

**PENNSYLVANIA.**—One of the best orchid flowered sorts. Foliage green, flowers very large, bright scarlet, shaded orange; height 6 feet. Each 15c, dozen \$1.50.

**PRES MEYERS.**—Height 4 feet. Foliage bronze and light brown, glossy and attractive. A splendid variety for foliage robusts or centers. Each 15c, dozen \$1.50.

**ROBUSTA.**—Effective large dark leaved variety. Leaves 12 to 18 inches wide. Height 8 feet. Each 10c, dozen \$1.00.

**SAM TRELEASE.**—Height 3 feet. Scarlet with thin edge of lemon yellow, center and throat splotted orange. Each 15c, dozen \$1.50.

**WEST GROVE.**—Height 4½ feet. Flowers extra large, variegated pink, orange scarlet, and crimson. Ea. 20c, doz. \$2.00.



# DAHLIAS.

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. They have been greatly improved and we now grow acres of them to supply the demand. Out of the many hundred varieties we have selected the following as of special value. For best results start roots early in house. Late in the season, when dry roots become exhausted, we then fill orders with strong rooted pot plants.

**ADMIRAL DEWEY.**—A rich purple color. Strong grower and very free flowering. A beautiful shade of color and a satisfactory sort. Each 15c, 3 for 40c.

**ADMIRAL SCHLEY.**—A fancy colored flower. Crimson shading to garnet and center white. A choice variety. Each 20c, 3 for 50c.

**BLACK PRINCE.**—(See Cut No. 3)—A beautiful variety of very dark crimson color, hued black. Each 15c, 3 for 40c.

**CLIFFORD W. BRUTON.**—(See Cut No. 1)—A new show Dahlia of greatest merit. Extra large flowers of a bright, golden yellow, perfect in shape and form; very early. Each 15c, 3 for 40c.

**MRS. CHAS. TURNER.**—Extra large, with long pointed petals and perfect form. Color clear, bright lemon yellow. Each 25c, 3 for 65c.

**EMILY.**—Very large flowers of bright pink, with white markings. Each 20c, 3 for 50c.

**ETHEL VICK.**—Early blooming, shell pink variety. Very handsome. Each 15c, 3 for 40c.

**FERN LEAF BEAUTY.**—This grand novelty has fern-like foliage and flowers of creamy white, with a distinct marking of bright crimson on each petal. Each 20c, 3 for 50c.

**FIRE RAIN.**—A flaming cardinal red. Free flowering and a robust grower. Splendid for bouquets or decorative effects. Each 15c, 3 for 40c.

**GRAND DUKE ALEXIS.**—The flowers are of the largest size known in dahlias, being 18 inches in circumference, and of most beautiful form, petals being rolled up so that they overlap each other. Color pure snow white slightly tinged with delicate

pink at center. No other variety equal to it in size or beauty. Each 25c, 3 for 65c.

**HENRY PATRICK.**—Magnificent pure white decorative sort. The best contrast for dark colored flowers. Each 15c, 3 for 40c.

**JUMBO.**—Large flowers of deep crimson. One of finest shades of color and a fine variety, producing large blooms in profusion. Each 25c, 3 for 65c.

**KING OF FANCIES.**—(Cut No. 5)—Color is almost indescribable, being most elegantly marked, striped and blotched with crimson, scarlet, pink, etc., on a white ground; variable. Ea. 20c, 3 for 50c.

**LEMON GIANT.**—A lemon yellow flower grouping finely with pink. Ea. 15c, 3 for 40c.

**MAID OF KENT.**—Richest crimson velvet. About half the petals tipped with a large spot of white. Frequently the flowers are so id scarlet but most of them are variegated. Each 10c, 3 for 50c.

**MRS. WINTERS.**—A very large pure white, of exquisite beauty, the finest for cutting. Ea. 25c, 3 for 60c.

**NYPHEA.**—(See Cut No. 2)—Color a distinct, clear, light pink, shading darker toward the outer petals. Inner petals nearly white. Each 15c, 3 for 40c.

**PINK DANDY.**—Perfectly formed large double flowers of pure pink. One of the best. Ea. 20c, 3 for 50c.

**QUEEN VICTORIA.**—Plant a robust grower and so covered with flowers as to appear almost like a solid mass of golden yellow color. Blooms early, very freely and continuously. Each 15c, 3 for 40c.

**RED HUSSAR.**—(See Cut No. 4) Large size. Color purest cardinal red without traits of either purple or crimson. Plant is a vigorous grower, produces fine flowers on long stems. Each 20c, 3 for 50c.

**SNOWBALL.**—Large double, pure white. Each 20c, 3 for 50c.

**WM. PIERCE.**—Deep, rich yellow, free flowering. Ea. 15c, 3 for 40c.



GRAND DUKE ALEXIS.



DAHLIAS.—(Refer to numbers in description.)

## CACTUS DAHLIAS.

**CRIMSON CACTUS.**—Desirable dark crimson variety; should be in every collection. Each 15c, 3 for 40c.

**COUNTESS OF LONSDALE.**—Variation or rather a blending of pink, salmon and light yellow. A distinct coloring not found in other varieties. Each 20c, 3 for 50c.

**FLORADORA.**—A very showy cactus dahlia of large size, intense dark crimson; an early and profuse bloomer. Each 20c, 3 for 50c.

**KRIEMHILDA.**—Pink shading to white center. Flowers of fine form and borne on long stems. Popular for cut flowers and decorations. Each 15c, 3 for 40c.

**RED CACTUS.**—As indicated by the name, a cactus dahlia of bright red. Superb flowers of great beauty. Effective in display with others of this type. Each 15c, 3 for 40c.

**FANCY DOUBLE MIXED.**—The handsome tipped, striped, spotted and variegated sorts in a splendid mixture. Each 20c, dozen \$2.00.

**SINGLE DAHLIAS.**—Many people prefer these to the double varieties because of their grace, freedom of bloom, adaptability for bouquets, decorations, etc. Mixed colors. Each 15c, 3 for 40c.

**DOUBLE MIXED VARIETIES.**—Contains a good proportion of best scarlet, yellow and white varieties, besides many other shades which are popular. Each 10c, dozen \$1.00.

## TWENTIETH CENTURY DAHLIAS

**CRIMSON CENTURY.**—Rich crimson, with halo of rose surrounding a yellow center. Markings distinct and flower very striking in appearance. Each 20c, 3 for 50c.

**PINK CENTURY.**—Extra large flowers of delicate pink. Each 25c, 3 for 65c.

**SCARLET CENTURY.**—Bright scarlet with yellow disc. Each 35c, 3 for \$1.00.

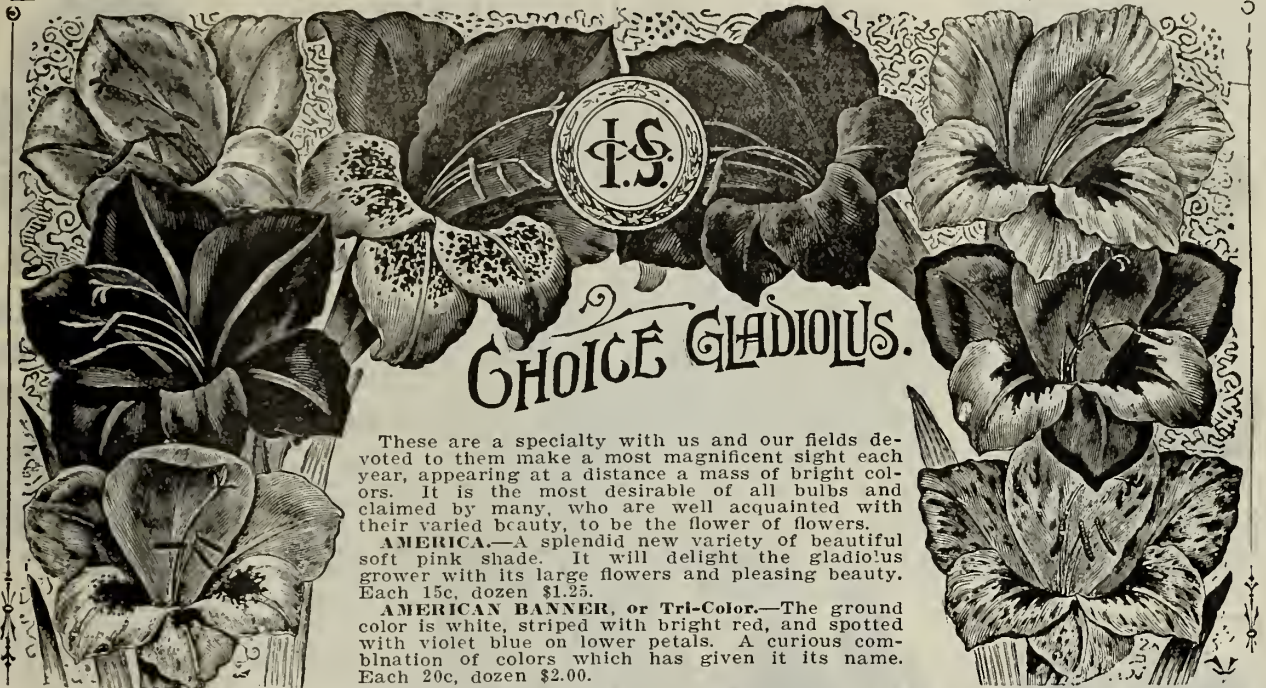
**TWENTIETH CENTURY.**—One of the beautiful orchid flowering single varieties of immense size, blooms ranging from 4½ to 7 inches in diameter. Color is of intense rosy crimson, with a white tipping and a white disk around the center. Each 20c, 3 for 50c.



TWENTIETH CENTURY DAHLIAS.

HAVE YOU ANY CHOICE OF COLORS IN DAHLIAS? IF SO YOU WILL FIND IT HERE.





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. 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.

**AMERICA.**—A splendid new variety of beautiful soft pink shade. It will delight the gladiolus grower with its large flowers and pleasing beauty. Each 15c, dozen \$1.25.

**AMERICAN BANNER, or Tri-Color.**—The ground color is white, striped with bright red, and spotted with violet blue on lower petals. A curious combination of colors which has given it its name. Each 20c, dozen \$2.00.

**AUGUSTA.**—White ground color with blue shading. Fine variety as it is very vigorous and spikes are large and fine. Each 10c, dozen 75c.

**AUTUMN GLOW.**—Many shades pink, red and yellow, producing the effect of highly colored autumn foliage. Strong spikes bearing 18 to 20 flowers on one side, making it desirable for bouquets. Each 10c, dozen \$1.00.

**BRENCHLEYENSIS.**—Deep vermilion scarlet. One of the brightest and most showy varieties. Each 4c, dozen 40c.

**CANARY BIRD.**—Without doubt the best yellow variety. Very pleasing and attractive. Each 15c, dozen \$1.50.

**CHILDSII.**—A mixture of this special type of gladiolus, striking in varied markings of flowers. Each 10c, doz. 75c.

**CLARA.**—A delicate shade of light pink not found in any other variety. Strong grower with good spikes of 14 to 18 flowers. Each 10c, dozen \$1.00.

**CONTRAST.**—Among the many hundreds of varieties of gladiolus growing on our place last season this was the most showy of all. It is a beautiful bright scarlet with clear white throat. Spike long and well filled with flowers of perfect form. Each 20c, dozen \$2.00.

**GRACE.**—Color a bright salmon pink. Ea. 20c, doz. \$2.00.

**INDEPENDENCE.**—A Novelty of 1908.—This extra choice new variety attracted universal attention at the Iowa State Fair last fall on account of its extra large size, very wide open flowers and handsome color, which is a clear salmon rose, with dark, velvety crimson blotch on lower petals. The color is also enhanced with a vivid violet shading. Each color is clear and distinct and it has no tinge of yellow in the throat. Plant is a strong, vigorous grower, nearly three feet high, and holds the large spike of bloom up well. The color varies somewhat as the flowers grow older. Each 10c, dozen \$1.00.

**MAY.**—Popular with florists. White flaked with crimson. Each 10c, dozen \$1.00.

**PERFECTION.**—A seedling of the Royal Queen, very much like its parent, but flower is more perfect, has longer spikes, brighter and clear color. Frequently 2 feet of the spikes are covered with flowers at one time, there being from 12 to 18 wide open flowers. The ground color is very nearly pure white, beautifully flaked and striped with bright, rich crimson. Each 15c, dozen \$1.25.

**MARIELEMOINE.**—Pale cream color, flushed salmon, spotted purplish violet. Each 10c, dozen 90c.

**MEYERBEEI.**—Best scarlet with deep red blotch. Brilliant in coloring. Each 10c, dozen \$1.00.

**NORMA.**—Flower is nearly pure white. Very beautiful. Each 7c, dozen 65c.

**NANCEANUS.**—A distinct variety of gladiolus with full, open, large flowers of various shades of red and purple. Each 10c, dozen \$1.00.

**ROYAL QUEEN.**—One of the finest and largest flowering varieties. The flower spike is very long and well filled out on all sides. The flowers are of a clear, pearly white ground striped and splashed with a rich carmine, shading to a rosy purple, most beautifully blotched and marbled, and of a delicate velvety texture. Each 10c, dozen \$1.00.

**PRINCEPS.**—Claimed to be the largest flowered gladiolus. Color brilliant scarlet crimson. Very strong grower. Each 15c, dozen \$1.50.

**SNOW WHITE.**—Quite a popular sort, as the beautiful snow white spikes contrast so well with the brilliant colors of other varieties. Each 15c, dozen \$1.50.

**SPECIAL GLADIOLI MIXTURES.**

For the benefit of such of our customers as wish a number of given tints for massing we are offering some mixtures of different shades at attractive prices. For the bed of varied colors we offer you some of the choicest mixtures to be found in this country.

**ALTOONA MIXTURE.**—The best mixture in existence, made up mainly from the above named varieties and other very choice sorts which we do not list. Large bulbs each 8c, doz. 75c, 100 for \$5.

**FANCY AND STRIPED MIXED.**—Spotted and striped sorts in variety. Each 5c, doz. 40c, 100 for \$2.50. Second size, doz. 25c.

**GROFF'S HYBRIDS MIXED.**—A mixture containing all the new varieties of this splendid type of prize gladiolus. Have been universally praised by admirers of this flower. Ea. 10c, doz. 85c.

**LEMOINE MIXED.**—Often called Butterfly Gladiolus. Have add and fantastic markings. Ea. 5c, doz. 50c, 100 for \$3.50.

**PINK MIXED.**—Includes the various shades of this popular color. Each 5c, dozen 40c, 100 for \$2.00. Second size, dozen 25c, 100 for \$1.50.

**RED MIXED.**—Darker colors than the above. Each 5c, doz. 40c, 100 for \$2.00. Second size, doz. 25c.

**WHITE AND LIGHT MIXED.**—The light colored sorts. Each 5c, doz. 50c, 100 for \$3.50. Second size, doz. 30c.

**YELLOW MIXED.**—Ranging from lemon to the darkest shades. Each 5c, doz. 50c, 100 for \$3.50. Second size, doz. 40c.



PERFECTION, SNOW WHITE AND CONTRAST GLADIOLUS.

THE BRIGHT FLOWERS OF THE GLADIOLUS CONTRAST FINELY WITH MAJESTIC FOLIAGE OF THE CANNA.



# BEAUTIFUL LILIES.

Nothing can surpass the Lily in beauty, purity, delicacy and stately, magnificent grandeur. A few clumps planted in some place in your yard where they will not be disturbed from year to year, will reward you with abundant flowers. These varieties are, perhaps, the most popular lilies grown, being of easy cultivation, and producing large flowers of delicate beauty on strong stems. Bloom better the second year and thereafter.

**AURATUM.**—(Japanese Gold-Banded Lily)—This is justly entitled to the name given it, "The Queen of Lilies." The immense flowers are produced in great profusion and are deliciously fragrant. The large white petals are thickly spotted with rich chocolate crimson, and have a bright golden yellow band through the center of each. Each 20c, dozen \$1.75; extra large bulbs each 30c, dozen \$2.75.

**SPECIOSUM RUBRUM.**—These are perhaps the most popular lilies grown, being easy of cultivation and produce large flowers of delicate beauty on strong stems; height from 2 to 4 feet. Blooms in August. Flowers are white, with a deep rosy or crimson band on each petal, with deeper colored spots between. They are 5 to 6 inches in diameter, very fragrant, and have all the hardness of the Speciosum class. Each 15c, 3 for 40c.

**SPECIOSUM ALBUM.**—Has large white flowers of great substance, beautifully recurved. Each 20c, 3 for 50c.

**LONGIFLORUM.**—(Easter Lily)—This mammoth white trumpet lily, with flowers 4 to 5 inches long, is one of the best lilies for winter booming, because its grand trumpet-shaped flowers, which give forth a delicate perfume, are wonderfully beautiful and expressive. When planted in the open ground they should be protected during the winter. Each 20c, 3 for 50c.

**TIGRINUM SPLENDENS.**—An improved Tiger Lily growing sometimes 6 feet high, and producing large pyramids of orange red flowers spotted with black. Each 10c, dozen \$1.00.

**TIGRINUM.**—The old form of Tiger Lily. Each 8c, dozen 75c.

**DOUBLE TIGER LILY.**—A double form of the old Tiger Lily. The flower is densely double, color orange red, spotted with black. Blooms freely; should be more largely grown. Each 15c, doz. \$1.35.

**MELPOMENE.**—Words cannot describe the beauty of this variety. Frosted white, spotted, clouded and bearded with pinkish crimson. Petals recurved and widely bordered. Each 20c, 3 for 50c.

**CANADENSE.**—A handsome native variety which has drooping bell-shaped yellow and red flowers. Each 15c, dozen \$1.25.

**LEMON LILY.**—One of the handsomest flowers for garden culture. It is not a true lily, as the bulb is of a different shape, but the flower is very much like the *Lilium Speciosum* in form and about 3 in. in diameter. The color is entirely different from all others, being a clear lemon yellow of very bright, pleasing appearance. They have also a most delightful lemon fragrance. There seems to be almost no limit to amount of bloom produced. Each 15c, dozen \$1.50.

**SPECIAL OFFER.**—We will send three Lemon and three Orange lily bulbs postpaid for 50 cents.



DOUBLE TIGER LILY.



CORAL LILY.



LEMON LILY.

**TENUIFOLIUM.**—The lovely Coral Lily of Siberia, brightest of all lilies, of shining coral red color. Foliage finely cut. This is indeed a little beauty. Each 15c, dozen \$1.50.

**ORANGE LILY.**—(*Hemerocallis Demorteri*)—Similar to Lemon Lily, but of fine orange color. A bed of these and Lemon Lilies intermingled will give a most pleasing effect in outdoor plantings, and the grower will be more than repaid by the wealth of blossoms available for table decorations or bouquets. We wish we might persuade all our flower loving customers to try the two lilies mentioned and we feel sure they will be delighted with results obtained. Each 10c, dozen 75c.

**LILY OF THE VALLEY.**—A well known and universally admired spring flowering plant, bearing bell-shaped, freely produced and powerfully fragrant flowers. 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. Four strong roots for 15c, dozen 35c.

**LILY COLLECTION.**—One nice bulb each of the Auratum, Rubrum, Album, Longiflorum and Melpomene lilies for only 75 cents postpaid.



LILY OF THE VALLEY.

LILIES CAN BE PLANTED EITHER SPRING OR FALL WITH EQUALLY GOOD RESULTS.



**GLOXINIAS.**

We know of no bulbous plant that will give such universal satisfaction as the Gloxinia. Their charming trumpet-shaped flowers are exquisitely tinted, blotched or tigered with miniature dots of violet, pink or crimson. They are of the easiest culture in pots and bloom continuously for months. We have a grand strain of Hybrid Gloxinias in mixed colors, including crimson, rose, scarlet, violet, white, etc. The Gloxinia is one of our most handsome summer flowering plants, and may be handled with success anywhere if given good, rich, light soil and a partially shady situation until well started into growth. When through blooming they may be kept in any dry, warm place and re-potted when wanted for the next season. Each 10c, dozen \$1.00.

**ISMENE.**

**PANCRATIUM CALATHINUM.**—Handsome clusters of large, striking, very fragrant, pearly-white flowers. Bulbs should be kept warm and dry, and planted out the middle of May. They will commence flowering in July. Is also admirably adapted for pot culture, and can be forced into flower in 6 to 8 weeks' time. Each 20c; doz. \$1.50.

**SUMMER FLOWERING OXALIS.**

No bulb is so valuable for edging the borders of walks of flower beds as the beautiful flowering Oxalis. When planted three inches apart they produce an unbroken row of elegant foliage and pretty flowers; and as they bloom very quickly after planting they furnish a neat and attractive border the whole season.



OXALIS SHAMROCK.

**SHAMROCK.**—Leaves resemble four-leaf clover; flowers rose color and borne in profusion on vine-like stems, which make them suitable for cutting for bouquets as well as pretty for border. Doz. 10c, 100 for 50c; mammoth bulbs per doz. 15c.

**DIEPPI ALBA.**—Pretty low-growing variety, with light green leaves and clusters of pure white bell-shaped flowers; blooms profusely. Doz. 10c, 100 for 40c.

**LASIANDRA.**—Large, dark green pinnate or five fingered leaves, with clusters of rosy pink flowers. This is taller than the above. It would be difficult to find a more satisfactory bulb for bordering flower beds. Dozen 10c, 100 for 50c; mammoth bulbs, doz. 15c.

**MONTBRETIA**

**CROCOSMIFLORA.**—A showy summer flowering plant producing many handsome star-shaped blossoms of an orange red color. Hardy, and improve year after year if left in the ground undisturbed. Each 5c, dozen 40c.

**TIGRIDIA.**

**PEACOCK OR SHELL FLOWER.**—Handsome summer flowering bulbs, producing large, gorgeous flowers. Flower freely throughout the summer, and are of various colors, red, white, yellow, etc., handsomely spotted. Each 5c, doz. 50c.

**ZEPHYRANTHES.**

Popularly known as "Zephyr Flowers" and "Fairy Flowers." They are among our most beautiful dwarf bulbous plants, very effective for planting out in masses in the spring, flowering with great profusion during the summer. Are very suitable for pot culture; 4 to 6 bulbs clustered in a 6-inch pot will give a fine display. Pink and white. Try a few of them this year and you will be pleased. Each 5c, dozen 50c.



EXCELSIOR PEARL TUBEROSE.



ZEPHYRANTHES.



RESURRECTION PLANT.

As cut flowers to market, this plant attracts great attention. It grows from 3 to 4 feet high and the flower measures 12 to 15 inches long. They are a dazzling scarlet, lower half of flower tinged with rich orange. Each 15c, 3 for 40c.

**RESURRECTION PLANT.**

A 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. Ea. 10c, 3 for 25c.



MADERIA VINE.

**MADEIRA VINE.**

Also called Mignonette Vine and Mexican Vine. A beautiful tuberous rooted climber, with glossy green leaves and handsome racemes of fragrant white flowers. The vine makes a very rapid growth and a few plants will cover a trellis or cottage wall in a single season. It is a very pretty thing to use for shading a porch or veranda. Each 5c, dozen 45c.

**TUBEROSE**

**NEW EXCELSIOR PEARL.**—The tuberose is justly a universal favorite and very easily grown. The New Excelsior Pearl Tuberoses have been selected with very great care and are superior to the ordinary Pearl tuberoses. This variety is characterized by its short, robust stem and long spikes of large flowers, which are perfectly double and twice the size of the common tuberose, while of equally delicious fragrance. Spikes frequently bear 30 to 50 flowers, remaining in bloom for a long time. They are always wax-like, pure white, and unsurpassed for button-hole bouquets. You will be greatly pleased with them. Choicest large bulbs each 5c, dozen 40c, 100 for \$2.65, postpaid. Second size, doz. 25c, 100 for \$1.25.

**MEXICAN SINGLE.**—Grows 3 feet high, producing two to five flower stems from one bulb. Flowers are single, pure white, much pleasanter in fragrance than the Pearl, and are far superior to that sort for cut flowers or bouquets. Each 5c, dozen 40c.

**VARIEGATED LEAVED.**—Leaf is bordered with creamy white; flowers single but very large and of exquisite fragrance. Bulbs continue to grow and bloom year after year. Each 5c, dozen 50c.

**TRITOMA. (Pfitzerii)**

**FLAMING TORCH OR RED HOT POKER PLANT.**—At all floral exhibitions, or when sent



TRITOMA PFITZERII



# WINTER BLOOMING BULBS.

ORDERS FOR THESE WILL NOT BE FILLED BEFORE SEPTEMBER

Some of the most beautiful and fragrant flowers belong to this class, and when potted in the house, they come in bloom just at the time when flowers are most wanted. Bulbs arrive from Holland about Sept. 15th. The best way is to order during spring or summer, then your order will be filled as soon as bulbs are received. Orders filled in rotation upon arrival of stock, and if yours is on file you are sure to receive choice fresh bulbs and get your order in full. Sometimes stock is exhausted later in fall and some items cannot be supplied to late customers. These bulbs are solid and heavy and the postage is expensive but we prepay them at prices named. If any of these items appear on your spring seed or plant orders the seasonable goods will be sent and the winter bulbs will be mailed you at time specified above. Orders should amount to at least 25 cents.



Choice bulbs 3c, doz. 20c. Mammoth bulbs 5c, doz. 30c.

White, Mixed Shades of Yellow, Mixed Blue and Purple, Striped and Variegated Mixed, doz. 15c, 100 90c; Cloth of Gold, doz. 15c, 100 \$1.00; Mammoth Yellow, doz. 20c, 100 \$1.50; all colors mixed, doz. 10c, 100 \$1.00.

## NARCISSUS.

**VON SION**.—The True Double Yellow Daffodil.—Has a rich golden yellow perianth and trumpet. This is the old favorite so highly prized in many old-fashioned gardens. Extra large double nozed bulbs, producing two or three flower spikes. Each 6c, dozen 60c; 100 for \$4.00.

**BULBODIUM**.—(Hoop Petticoat)—Very free bloomer, producing six to twelve large, rich golden yellow, trumpet-shaped flowers. Hardy. Each 5c, dozen 50c.

**POETICUS**.—"The Pheasant's Eye." or "Poet's Narcissus." Pure white flowers with orange cup edged with crimson. Hardy. Each 3c, doz. 25c.

**INCOMPARABLE DOUBLE**.—(Butter and Eggs)—Full double of rich yellow and orange. Each 5c, doz. 50c.

**PAPER WHITE GRANDIFLORA**.—Can be made to bloom in December. There is no more satisfactory bulb for house cultivation. Snow-white flowers. Each 5c, dozen 40c.

## TULIPS.

### Single Early Varieties.

**BELLE ALLIANCE**.—Scarlet flower striped with gold. Each 4c, doz. 40c, 100 for \$3.00.

**COLEUR PONCEAU**.—Rosy crimson, and tipped white. Ea. 3c, doz. 30c, 100 for \$2.00.

**CRIMSON KING**.—Showy, having large bright crimson flowers with yellow base. Each 3c, doz. 30c, 100 for \$2.00.

**DUCHESS OF PARMA**.—Orange-yellow, shading to terra cotta, with fiery yellow and brown shadings. Each 3c, doz. 30c, 100 for \$2.00.

**COTTAGE MAID**.—Carmine pink, center of petals feathered with white, base yellow. Each 4c, doz. 40c, 100 for \$3.00.

**YELLOW PRINCE**.—Bright yellow. Each 4c, dozen 40c, 100 for \$3.00.

**LA REINE**.—White, sometimes tinged with rose. Each 3c, doz. 30c, 100 for \$2.00.

**SILVER STANDARD**.—White, feathered crimson. Each 4c, doz. 40c, 100 for \$3.00.

**GOLDEN STANDARD**.—Bright red with golden stripes. Ea. 6c, doz. 60c, 100 for \$4.00.

**KEIZERSKROON**.—Rich crimson with a broad gold margin. Each 5c, doz. 50c, 100 for \$3.50.

**SINGLE EARLY FINE MIXED**.—All colors. Each 3c, doz. 25c, 100 for \$1.50.

**IOWA SEED CO'S BEST SINGLE MIXED**.—From very best named varieties. Each 4c, doz. 35c, 100 for \$2.50.

**PARROT TULIP**.—Flowers are very large and showy; fantastic in form, being so toothed and corrugated as to resemble a parrot's beak. Yellow, crimson or white, feathered with green, gold and scarlet. Each 3c, dozen 30c, 100 for \$2.00.



DOUBLE, SINGLE AND PARROT TULIPS.

### Double Early Varieties.

**LA CANDEUR**.—Pure white. Beautiful with Rex Rubrorum. Each 4c, doz. 40c, 100 for \$3.00.

**REX RUBRORUM**.—A brilliant double scarlet. Each 4c, doz. 45c, 100 for \$3.50.

**DUKE OF YORK**.—Carmine rose, edged broadly with white, suffused rose. Each 4c, dozen 35c, 100 for \$2.50.

**LA CITADELLE**.—Purplish red, bordered yellow. Each 4c, doz. 35c, 100 for \$2.50.

**TOURNESOL**.—Orange scarlet with broad yellow tips and yellow base. Each 5c, doz. 50c, 100 for \$3.50.

**MURILLO**.—(Albino)—Blush white, and shaded rose. Ea. 5c, doz. 50c, 100 for \$3.50.

**DOUBLE EARLY FINE MIXED**.—An excellent assortment. Each 3c, doz. 25c, 100 for \$1.50.

**IOWA SEED CO'S BEST DOUBLE MIXED**.—Made from choicest named varieties. Each 4c, doz. 35c, 100 for \$2.50.

### SNOWDROPS.

Single, doz. 15c, 100 for \$1.15, postpaid. Double, doz. 25c, 100 for \$1.75, postpaid.

### SCILLA SIBERICA.

Each 3c, dozen 25c.

### JONQUILS.

Of Narcissus family. Each 4c, doz. 30c.

### ORNITHOGALUM.

(The Great Flowered or Arabian Star of Bethlehem)—Each 10c, dozen 90c.

## HYACINTHS.

### Single Varieties.

**GERTRUDE**.—Single, bright red, large, superbly shaped truss. Each 15c, dozen \$1.50.

**GIGANTEA**.—Enormous in size, has broad spikes of a bluish-pink color. Each 15c, dozen \$1.50.

**CZAR PETER**.—Finest porcelain-blue; has large, perfect spike. Each 15c, dozen \$1.50.

**BARON VON TUYL**.—Single pure white; very large; blooms early. Each 10c, dozen \$1.10.

**IDA**.—Beautiful golden yellow; has large spike; best single yellow sort. Each 25c, dozen \$2.25.

Single Pure White, Rose and Pink, Red, Light Blue and Dark Blue. . . . . 8c \$0.80  
Single Yellow. . . . . 10c 1.00  
Single all colors mixed. . . . . 7c .75

### Double Varieties.

**BOUQUET TENDRE**.—A beautiful flower; deep crimson. Ea. 15c, doz. \$1.25.

**GOETHE**.—Large, fine truss; handsome citron yellow. Ea. 20c, doz. \$2.00.

**BOUQUET ROYAL**.—Fine light pink or bluish. Extra large spike. Each 15c, dozen \$1.25.

**LOKESBERG**.—Light blue; large spike. Color very fine. Ea. 15c, doz. \$1.25.

**LA TOUR D'AUVERGNE**.—Is very early flowering and the best of all double whites. Each 15c, dozen \$1.25.

Double Pure White, Rose, Red, Light Blue and Dark Blue. . . . . 8c .80  
Double Yellow. . . . . 10c 1.00  
Double all colors mixed. . . . . 7c .75

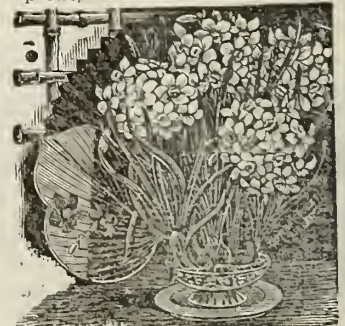
### Roman Hyacinth.

The florists favorite. Much earlier in bloom than the larger Dutch sorts. Easy, quick forcing, fragrant flowers.

Each Doz. . . . .  
Pure White. . . . . 5c \$0.55  
Light Blue. . . . . 5c .50  
Delicate Rose. . . . . 5c .50  
Canary Yellow. . . . . 10c 1.00

## CHINESE SACRED LILY.

Most popular of all bulbs for winter blooming; of easiest culture. A variety of Po yanthus Narcissus grown by the Chinese. Produce a profusion of bloom in about six weeks from time of planting. Collage a luxuriant dark green color, surmounted by large satiny white, fragrant flowers with golden yellow cup. Partly aquatic and must have plenty water. Ea. 15c, doz. \$1.50.



CHINESE SACRED LILY.



# FLOWER PLANT DEPARTMENT.

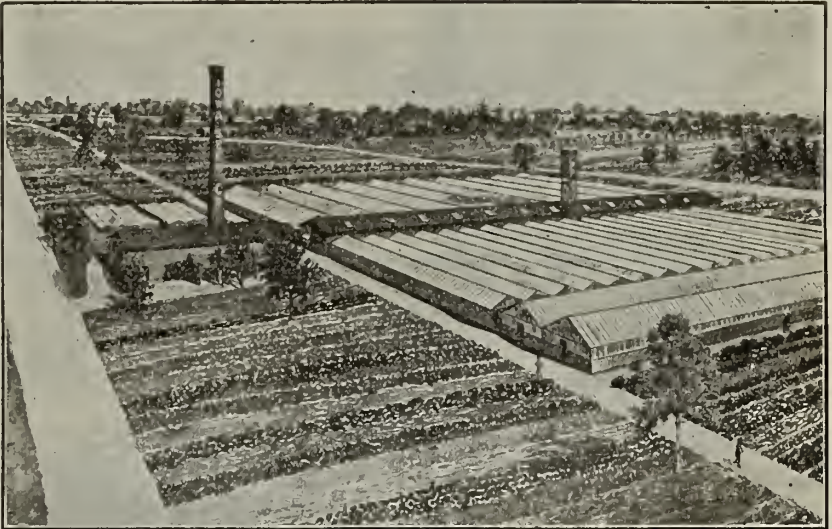
It is now just twenty-four years since we purchased a range of greenhouses and during the past few years we have entirely rebuilt them, adding greatly to their size, and we now have thirty-two large greenhouses besides a large number of steam heated hotbeds and cold frames, giving us the largest amount of glass of any concern in Central Iowa. We employ experienced florists to look after this branch of our business and all their time and attention is devoted to growing flower plants and bulbs 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 thus grown are much better prepared for shipment through the mails and for setting out in the open ground than those grown in the ordinary greenhouses which are kept at a high temperature. 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 packed.

**Terms and Discounts.**—At prices named we send plants postpaid except where noted. Orders must amount to at least 25c. for if of less amount they are filled at a loss. With each order of 50c or over we add valuable plants without charge.

**Special Express Rates.**—All express companies now carry plants at a reduction of 20 per cent from regular merchandise rates. If you wish your plants sent by express we will put in gratis a few extra plants to help pay the charges.

**We Guarantee** plants ordered from this list to reach purchasers in any part of U. S. in good order by mail or express. **Separate Plant and Seed Orders.**—Write plant order on separate sheet so it can go to greenhouse for filling.

**Notice.**—We ship all plants as soon after order is received as weather permits. Bedding plants we will hold until usual season for setting out. If plants are ordered for immediate shipment they will be sent at purchaser's risk.



IOWA SEED COMPANY'S 32 GREENHOUSES.



**ABUTILON.**  
**SOUVENIR DE BONN.**—A striking decorative foliage plant with beautiful variegated leaves of good size, regularly and evenly marked with white and green. Graceful drooping orange colored flowers. Each 10c.

**ARTHUR BELSHAM.**—Green foliage. Flowers large, dark red without markings. Tall and erect. Strong grower, free bloomer; a satisfactory variety. Each 15c.

**SAVITZI.**—One of the most beautiful new variegated-leaved plants in existence. Its large maple-like leaves are almost white, being blotched here and there only with clear, bright green, a most charming contrast, heightened still more by the very large, orange-colored, bell-shaped flowers with which it is covered. Each 15c.

**GOLDEN BELLS.**—The best yellow flowering variety; of dwarf habit. Each 15c.

**THOMPSONII PLENA.**—Instead of single bell-shaped blooms like all other kinds, this has a perfectly double flower of a rich deep orange color, shaded and streaked with crimson. Foliage handsomely variegated. Each 10c.

**RECTA.**—Color pink, changing to orange. Each 10c.

**COLLECTION.**—One each of six Abutilons for only 50c.



## ARAUCARIA.

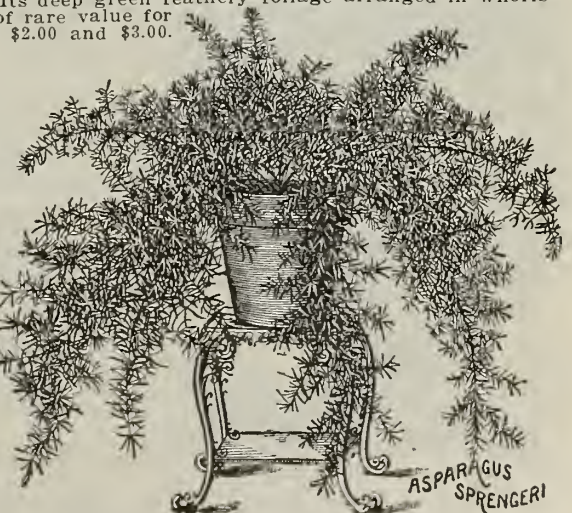
**EXCELSA.**—This beautiful plant resembles the pine somewhat in appearance, though much finer in texture, and is particularly adapted to table decoration. It is most unique in appearance. Its deep green feathery foliage arranged in whorls—

rising one above the other at regular distance—makes it a plant of rare value for decorations. By mail, each \$1.00; large, by express, not prepaid, \$2.00 and \$3.00.

## ASPARAGUS.

**SPRENGERI.**—A splendid new plant for hanging baskets or pots. It droops most naturally, sending out numerous feathery fronds which in a short time make a growth of 3 to 6 feet, forming an exquisitely handsome and striking picture. It produces small white flowers which are succeeded by red berries. A well established plant is literally a mass of emerald green. Nice young plants each 10c; large size, each 25c.

**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. Leaves bright green gracefully arched, and as finely woven as the finest silken mesh; their lasting qualities, when cut, are remarkable, retaining freshness for weeks. Each 15c, large 25c.



THE EXTRA PLANTS WHICH WE SEND FREE WITH EACH ORDER SHOULD PROVE GRATIFYING.





GIANT WHITE  
ANTIRRHINUM

**ANTIRRHINUM.**

**GIANT WHITE.**—An especially fine variety of the Giant Snapdragon. Perpetual bloomer, producing dozens of long spikes of beautiful pure white flowers. Blooms will last two weeks after being cut and because of their great beauty, are grown in some of our western cities for sale as cut flowers. Each 10c, doz. \$1.00.

**CHOICE MIXED COLORS.**—Each 10c, dozen 75c.

**ALTERNANTHERA.**

Bright colored dwarf growing foliage plants, largely used for carpet bedding, borders, etc. Makes an effective plant for special designs in large beds, for lettering and small figures. Either red or yellow. Each 10c; dozen 50c; per 100, prepaid, \$3.50.

**ARTILLERY PLANT.**

A neat, pretty little plant, resembling some ferns. Graceful habit makes it desirable for baskets and vases. Ea. 10c.

**ASTER PLANTS.**

All best varieties mixed; can supply a pure white alone if desired. Price is low and it will pay you to have a fine bed of asters this year. Doz. 50c, 100 for \$3.50, prepaid.

**BROWALLIA.**

**MAMMOTH.**—The most beautiful of all the Browallias. Plants grow only about a foot high, forming dense little bushes, covered with an abundance of most delightful sky blue flowers. For beds, borders or pots there is hardly another plant with blue flowers that compares with it. Each 15c, dozen \$1.25.

**BRYOPHYLLUM**—(Sprouting Leaf).

A most curious plant. Leaves thick and heavy and when cut and placed in moist soil little plants start from notches in them and make strong plants in very short time. Flowers look like long, green, red striped pods, through which breaks a pointed tube of a dull red shade. Each 15c.

**BOUARDIA.**

**ALFRED NEUNER.**—This magnificent and showy plant is the ideal Bouvardia. It is an 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. Each 20c.

**HOGARTH.**—Best of the single varieties. Vigorous in growth; white flowers. Each 15c.

**PRESIDENT GARFIELD.**—A sport from Alfred Neuner, with the same double flowers but differing in color, which is of a clear, rosy pink. Desirable. Each 15c.

**BOUGAINVILLEA.**

This beautiful flowering plant is very popular. It is of strong and rapid growth and the brilliant, rosy crimson blossoms are produced from early in March until midsummer, in fact, a plant will frequently flower the greater part of the year. Altogether, it is a most desirable subject for the conservatory or window garden. Each 15c.

**BURNING BUSH.**

**KOCHIA.**—Useful for temporary hedges and borders; grows rapidly. Compact globular form with slender fern-like branches. Increasing in popularity and now widely disseminated. Each 10c, dozen 75c.

**ACALYPHA.**

**BICOLOR.**—Brighter and more attractive for bedding than Coleus. Leaves bright green, margined with band of lemon yellow, dotted and spotted with same shading. Highest coloring in sunny situations. Each 15c.

**TRICOLOR.**—Mottled and blotched with crimson and scarlet on green background. Foliage extra large and maintains its markings regardless of summer heat. Each 15c.

**MARGINATA.**—Foliage bronze green, margined with bright pink on edges of the leaves. Contrast pleasing and attractive. Each 10c.

**SANDERI.**—(Chenile Plant)—A most striking ornamental plant of branching habit, healthy foliage and the flower spikes which appear in pairs from the axis of the leaves, grow from two to three feet in length. They are of a bright crimson color, drooping and mixing among the green foliage with charming effect. Desirable both for outdoor bedding and in house for winter. Each 15c.

**ACHYRANTHES.**

Beautiful foliage plants; useful for carpet bedding and masses. Stand heat and sun without losing color and shear without injury.



PRINCESS PAULINE AGERATUM.



ACALYPHA (Chenile Plant).

**McNALLI.**—Broad, round leaf, green with yellow veins and blotched with red.

**COLLINSII.**—Narrow, pointed leaf, green and yellow.

**LINDENI.**—Dark purple, narrow pointed leaf; one of the best for bedding.

**EMERSONII.**—Purplish crimson, round leaf.

Any of the above, each 10c, doz. \$1.00.

**AGERATUM.**

**PRINCESS PAULINE.**—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, a most charming appearance, and 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, doz. \$1.00.

**QUEEN ALEXANDRA.**—A beautiful shade of dark blue with flowers of extra size. Will give delightful effect for border of bright colored beds. Each 10c, doz. \$1.00.

**WHITE SWAN.**—Beautiful pure white variety, having large clusters of pretty flowers, desirable for borders or bedding. Ea. 10c, doz. 75c.

**STELLA GURNEY.**—Color a deep even blue and literally forming a sheet of bloom all summer. Dwarf and compact in growth. Each 15c, dozen \$1.25.

**VARIEGATED LEAVED.**—Flowers blue, differing from the ordinary sorts in markings of foliage as indicated by the name. Each 10c, dozen 75c.

**SWEET ALYSSUM.**

**SINGLE WHITE.**—The common variety so largely used for borders and edgings. Nice little pure white flowers. Each 10c, dozen 50c.

**DOUBLE.**—A double flowering sort. Cannot be produced from seed. Very desirable for either pots or bedding. Each 10c, dozen 75c.



ALFRED NEUNER  
BOUARDIA.



# BEGONIAS.



LOUISE ERDODY BEGONIA.

**COUNTESS LOUISE ERDODY.**—This variety is sometimes called "Small 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 2 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. Very curious. Each 20c. Large specimen plant 50c.

**VERNON.**—Of unusual value for bedding, as it will stand the hot summer sun. Flowers are of pink, bluish and brilliant red color, spotted and margined with bronze purple. Each 10c, dozen 90c.

**PRES. CARNOT.**—Flowers bright colored, otherwise identical with Madam DeLesseps. Each 15c.

**MARGUERITE.**—Leaves green above, red beneath, stems purple and covered with hairs. Flowers rose colored and borne profusely. Each 15c.

**HAAGEANA.**—Flowers rosy pink, bright and attractive. Plant tall. Shrubby, with hairs on stems and leaves. Each 15c.

**MEHETHII.**—Foliage fine, fern-like. Panicles of pure white flowers produced in the greatest profusion. It is the most persistent bloomer of the begonias. Each 10c.

**PROFUSION.**—A new French variety of vigorous growth. Flowers are bright pink, produced evenly all over the plant. Each 10c.

**FOURNAISE.**—Flowers produced in large drooping panicles, bright red. Each 10c.

**ALBA PICTA.**—Leaves of a glossy green color, thickly spotted with silvery white. Flowers white. Ea. 15c.

**METALICA.**—This elegant variety has very large leaves shaded with green, crimson and olive, with a peculiar metallic luster over all. Flowers a clear pink, shaded with white. Each 10c.

**RUBRA.**—This fine variety is a constant bloomer. Heavy, waxy green leaves. Flowers rosy scarlet. Each 15c.

**ARGENTEA GUTTATA.**—Purple bronze leaves with silvery markings. The flowers are white. Each 10c.

**MADAM DE LESSEPS.**—Has very large leaves of silky texture beautifully spotted with silver. Flowers pink and white. Each 15c.

**MARJORIE DAW.**—A beautiful trailing variety; its bright salmon pink flowers are produced in broad panicles. Bright green "angel wing" leaves. Each 15c.

**MINIATA.**—A beautiful variety of upright bushy style of growth; flower bright scarlet. They are very free flowering. Each 10c.



VERNON BEGONIA

**REX.**—The Rex or King Begonia may well be called the king of foliage plants and they make a magnificent showing with their rich lustrous tints and tropical looking leaves. There are many different varieties, presenting a great range of beautiful markings and splendid color effects. Best results in moist and shaded situations, making it the very finest plant for household decoration. We have a particularly choice stock of these, including about twenty different kinds, and we are sure they will please. Each 20c. Large specimen plants 40c.

**TUBEROUS ROOTED.**—Giant flowering, tuberous rooted begonias have been brought to wonderful perfection. Flowers sometimes grow six inches in diameter, borne upright on stiff stems and of richest colors, embracing every shade—white, rose, pink, red, scarlet, crimson, maroon, lake, yellow and orange. Each 10c, dozen 75c.

**DOUBLE TUBEROUS ROOTED.**—Very handsome. Each 10c, dozen \$1.00.

**COLLECTION.**—We will send post-paid one Rex, one Tuberous Rooted and one each of three other different varieties, our selection, making five choice plants in all, for 45 cents.



BEGONIA REX

**NEW DOUBLE BEGONIA.**—All plant lovers will want to try this novelty. It is a new departure and one deserving the greatest praise for its strong, vigorous growth, attractive foliage, handsome shaped double flowers, brilliant colors and above all its wonderfully free flowering propensities. In fact, every branch is loaded with bloom and the little cuttings produce flowers while still in the sand, almost before striking root. Of the easiest culture and desirable for either pot or bedding. Can supply either pink or white as desired. Each 20c.

## CRAPE MYRTLE.

A very pretty shrub which is hardy in the South but is usually grown in large pots or tubs in this latitude so that it can be taken into a cellar in the winter. Produces a profusion of delicate soft pink flowers. Each 20c.

## CAREX.

**JAPONICA VARIEGATA.**—An ornamental Japanese grass which is extremely useful as a house plant; of easy growth, standing heated rooms with impunity, and hardy if placed out in the garden. Leaves striped with white. Each 15c.



DOUBLE BEGONIA



TUBEROUS ROOTED BEGONIA.

TUBEROUS BEGONIAS GIVE A SPLENDOR OF BLOOM UNSURPASSED FOR MASSING IN BEDS OR BORDERS.



# CARNATIONS.

Fragrant flowers always sought after, and the rich, spicy odor of the carnation, combined with its various colors, leaves little to be desired. Easily grown and bloom freely.

**WHITE ENCHANTRESS.**—One of the finest white carnations. Type and habit like the original Enchantress. Flowers extra large and of purest color. Strong grower and profuse bloomer. Each 20c.

**WHITE LAWSON.**—Like the original Mrs. Lawson in size and manner of growth but pure white. Each 15c.

**GOV. WOLCOTT.**—Taken as a standard of excellence for white carnations. Flowers are large, stems long and stout and habit of growth perfect. Each 10c.

**BOSTON MARKET.**—An ivory white of great beauty. Flowers are of good size and shape; plant a good grower. An altogether satisfactory variety. Each 10c.

**WHITE PERFECTION.**—Is pure white. Blooms three in. and over in diameter. Beautifully fringed; fragrant; exceedingly free blooming; early and continuous; vigorous; the stems stiff. Each 15c.

**GOLD STANDARD, or Golden Beauty.**—One of the best yellow carnations ever sent out. Flowers extra large, 3 inches in diameter, and double to the center. Color is a beautiful clear lemon yellow, and is slightly tipped with pink. Very fragrant. Each 15c.

**SUNBIRD.**—In our greenhouses this has proved to be by far the best of all yellows. The flowers are of good size, exceptionally bright color and very showy. They cannot fail to attract attention as they are so different from all others. The plant is a strong, healthy, vigorous grower and good bloomer. Each 15c.

**EL DORADO.**—Canary yellow, distinctly edged and penciled bright carmine. Beautifully fringed, fragrant, and of striking appearance. Fine for contrast with sorts of solid colors. Each 10c.

**ENCHANTRESS.**—A charming variety of immense size and delightful blush pink color. The original of the popular Enchantress type of carnation, which is the favorite with florists. Each 15c.

**ROSE PINK ENCHANTRESS.**—This elegant new variety which is a sport from the Enchantress, has created a great furor among florists and has captured the best prizes at flower shows. It is of extra large size and of beautiful rose color. Each 15c.

**MRS. THOMAS W. LAWSON.**—The immense pink variety for which \$30,000.00 was paid by Mr. Lawson, the highest price ever paid for a plant novelty in this country. Flowers 3½ inches in diameter; color beautiful deep pink. Each 10c.

**ARISTOCRAT.**—Beautiful bright pink. Flowers extra large, of fine form and borne on long stems. Truly an aristocratic variety. Each 15c.

**NELSON FISHER.**—Deep cerise pink, almost rose. A standard sort of easy culture and satisfactory in every way. Each 10c.

**WINDSOR.**—Clear, silvery pink. A beautiful, distinct shade of color which is sure to please. A large flowered sort, free blooming and desirable. Each 20c.

**CARDINAL.**—A medium to large sized bright scarlet, claimed to be best of its color. Each 15c.

**BEACON.**—Splendid new long-blooming red. Flowers are extra large, graceful form and of bright scarlet slightly tinged orange. Each 15c.

**HARLOWARDEN.**—Largest and best bright dazzling crimson. A free bloomer with long stems. Each 15c.

**VICTORY.**—Many carnation growers say it is the finest scarlet color of any carnation; even when the flowers are aged they seem to retain their bright color. Each 15c.

**ESTELLE.**—This is considered the finest of all bright scarlet varieties, of intensely bright shade, showing no tendency to fade. Nearly every shoot sends up a flower, and stems are long, holding the blossoms upright. Each 10c.

**VARIEGATED LAWSON.**—Closely bearing out the admirable Lawson type in all respects, color being a pretty commingling of pink and white. Each 15c.

**MRS. M. A. PATTEN.**—Beautiful new striped carnation. Ground color white with pink stripes. A very attractive flower. Large size with long stem. Sweet, spicy odor, habit ideal; has a grand constitution and makes a fine plant in the field. Each 15c.

**GLENDAL.**—An odd and interesting variety. Richly colored flowers of creamy white, prettily striped with lines of rich, glowing crimson that radiate from center. Each 15c.

**PROSPERITY.**—Unquestionably the largest carnation of any color ever offered, the flowers measuring 4 in. ches in diameter and have a delightful clove fragrance. The color is a pure white, overlaid with shadings of soft pink. Each 15c.

**LADY BOUNTIFUL.**—Large, nicely filled flowers of purest white. Not only good for large sized blooms when given special care, but valuable for garden planting and pot culture. Very sweetly scented with that delightful, old-fashioned clove fragrance lacking in many of the newer Carnations. Each 15c. dozen \$1.25.

**QUEEN LOUISE.**—Flower pure white, fragrant and of large size. Center well filled, rounding the flower to a most pleasing form. The color is very pure, stem exceptionally long. Each 10c.



LADY BOUNTIFUL.



Mckinley Carnation Collection

Five different shades of the favorites of our martyred President.

**Prosperity.**—Variegated white and pink.  
**Gold Standard.**—Variegated yellow and pink.  
**Victory.**—Beautiful scarlet.

**White Perfection.**—Clear, pure white.

**Aristocrat.**—Fine bright pink.  
One of each of the above for 50c.

VICTORY.



ROSE PINK ENCHANTRESS.

The hardy garden pinks will be found in our list of hardy plants. Marguerite carnations are offered in the flower seed department.

## Enchantress Collection of Carnations.

Five extra large flowering varieties of different colors.

**Enchantress.**—Pink.  
**White Enchantress.**—White.  
**Rose Pink Enchantress.**—Rose.  
**Harlowarden.**—Scarlet.  
**Sunbird.**—Yellow.

One each of the above for 50c.



# CHRYSANTHEMUMS.

These are now, and deservedly, the most fashionable of all autumn flowers. All these varieties are excellent for pot culture, and the best of their class. Attract universal attention at the great flower shows on account of their large size, exceptionally fine shape and handsome colors. Their large size is of course especially noticeable when grown as a single stem and only one flower allowed to develop on each plant.

**GOLDEN CHADWICK.**—Grand novelty and one of the finest yellow varieties ever introduced. Flowers are very large, globular and showy, many of them 7½ inches in diameter. Petals are broad, of great substance and handsomely curved. Each 20c.

**POLLY ROSE.**—One of the very best large white varieties; a great favorite with florists. Blooms in midsummer. Each 15c.

**A. J. BALFOUR.**—A grand Japanese variety, one of the finest bright dazzling rose pink; nothing to touch it in color. Each 20c.

**HARRISON DICK.**—Without question the finest red and gold, makes a splendid pot plant. Each 15c.

**YELLOW EATON.**—An immense flower of a bright golden yellow color. One of the finest varieties of this color. Each 15c.

**GOLDMINE.**—A monstrous flower of a rich golden yellow color; outer petals reflexed and center ones incurved in a whorl. A strong, vigorous grower, making a beautiful pot plant. Each 15c.

**CHELTONI.**—A remarkably fine deep yellow flower of elegant form. The petals are narrow and curved as shown in our illustration. Blooms last of October. Each 15c.

**DR. ENGUEHARD.**—A magnificent new variety of very large size and solid appearance. It is a true bright pink, one of the largest and best ever introduced; handsomely incurved. Is very pleasing in appearance. Blooms early in November and makes a splendid pot plant with stiff stem and healthy foliage. Each 20c.

**MRS. BUCKBEE.**—Fine, large, pure white; incurving with outer petals reflexed. Sure to give satisfaction. Each 15c.

**MARY ANN POCKET.**—A dwarf bushy grower, making a fine pot plant. Color a beautiful Indian red on opening, with a bronze reverse. As the flower ages it gradually incurves until it becomes a ball of bronze. Each 20c.

**COL. APPLETON.**—If you only have one yellow 'num, let it be Appleton. It is a perfect model. Dwarf, stiff stemmed, elegant in foliage, enormous in bloom, finely incurved and golden yellow. Perfectly healthy. Each 15c.

**GLORY OF THE PACIFIC.**—Earliest flowering pink variety, being ready to cut October 8th. Has stiff, strong stem, excellent foliage. Dwarf and fine for pot culture. Each 10c.

**MRS. HENRY ROBINSON.**—A perfect form of exceptional merit, large and well finished; medium early white, blooming with us October 5th. Each 10c.

**TIMOTHY EATON.**—A globular Japanese incurved variety of perfect form and growth. Color pure white when fully developed. A prize winner at all shows last fall. Each 15c.

**PERCY PLUMRIDGE.**—Buttercup yellow. A Japanese incurved variety with bright, shining color. Attracting special attention, and winning prizes at leading shows. Each 15c.

**MRS. WM. KNOX.**—One of the finest yellows of recent introduction. Soft yellow Jap, closely reflexing and forming into a very deep bloom. This, added to its great diameter makes it a winning variety. Each 15c.

**MILLE C. TOUSETT.**—A glistening white, sometimes with pearl tints. Petals very broad, incurved. A variety sure to give results to the amateur. Each 15c.

**MRS. D. WILLIS JAMES.**—A very beautiful variety of a bright Indian red, incurving, showing an old gold reverse and the red edge of each petal. A dwarf grower. Each 15c.

**MONOGRAM.**—Pink. **SUNBURST.**—Yellow. **WHITE SWAN.**—White. Our novelty collection for 1909. Fully described on colored plate. Each 20c. Set of three for 35c.

**W. T. ROBERTSON.**—Large Japanese flesh colored flower; a grand grower; stem and foliage perfect. Midseason. Each 15c.

**CONVENTION HALL.**—Pure white with very broad center, petals and tubular ray florets. Each 15c.



CHELTONI.

**PRESIDENT ROOSEVELT.**—Unique color. Ground color pure white, tinged pink in center and on end of each petal; at a short distance appears light pink. Ea. 15c.

**ALICE ROOSEVELT.**—White, with solid blooms continuing a very long time. Will last for weeks after cutting. Each 15c.

**ALICE BYRON.**—A choice variety. The flowers are of purest white and enormous size. Will be found a most satisfactory sort for private growing. Each 15c.

**MATCHLESS.**—Magnificent red; reflexed petals. Blooms early and is a long keeper. Early strong grower and is specially recommended to the amateur. Each 15c.



MARY ANN POCKET.

**OCTOBER FROST.**—Splendid pure white variety, showing no center when fully open. Petals broad, slightly incurved. Strong grower, heavy foliage. Each 15c.

## SINGLE CHRYSANTHEMUMS.

**CROWN JEWEL.**—Rich, bronzy yellow; large and beautiful flower. Each 10c.

**CECIL DENYER.**—Milk white; like cactus dahlia. Each 10c.

**F. W. SMITH.**—Dwarf; rich pink; one of the very best. Each 10c.

**GOLDEN STAR.**—Rich yellow, bright orange disk. One of the best. Each 10c.

**REV. W. E. RENFREY.**—Crimson maroon; very striking. Each 10c.

**WYNDHAM.**—Pure white; flat florets. A gem. Each 10c.

**COLLECTION.**—Six above named 50c.



DR. ENGUEHARD.

## OSTRICH PLUME CHRYSANTHEMUMS.

**WHITE OSTRICH PLUME.**—An exquisitely beautiful variety with grand pure white flowers of globular form; petals broad and lasting and thickly covered with fine downy hairs so much admired. Strong and vigorous plant. Each 15c.

**LOUIS BOEHMER.**—Like above, but of a deep pink color; very fine. Each 15c.

**F. J. TAGGERT.**—The yellow Ostrich Plume. A splendid deep golden color and by many named as finest of its class. Each 15c.

One each of the three varieties for only 30c.



LOUIS BOEHMER.

WE ARE OFFERING A LARGE NUMBER OF SPECIAL PLANT COLLECTIONS. ALL ARE BARGAINS.





NIGHT BLOOMING CEREUS.

**CYPERUS.**

**UMBRELLA PLANT.**—Listed and described by us with aquatic plants but can be successfully grown as a pot plant in ordinary soil. Each 10c. Large 25c.

**ELECTRIC LIGHT PLANT.**

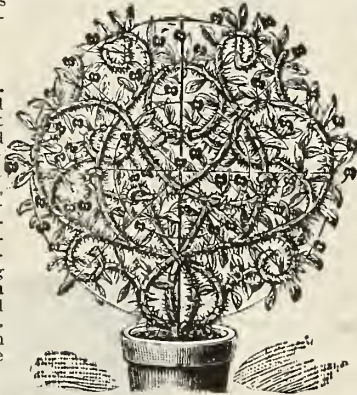
A very showy plant belonging to the Cleome family which blooms constantly from July until killing frosts in October or November. Desirable either for specimen plants or bedding. Grows four to six feet high. Each 10c, dozen 75c.

**CROWN OF THORNS.**

**EUPHORBIA.**—Very curious and remarkable window plant. Strong-growing creeper or climbing plant that can be trained over any desired form. Bright scarlet flowers, which almost cover the deep, glossy green leaves; an object of rare and striking beauty. Easily grown. 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 Saviour, and it is therefore of special interest. Each 20c.

**CYCLAMEN.****GIANT FLOWERED.**

—Most beautiful and decorative of all pot plants, for winter and spring blooming. Foliage broad, massive and graceful, of dark, olive green, beautifully variegated with silver and rose. The immense, fairy-like flowers are carried on long stems and produced in profusion for several months; quite fragrant. Assorted colors. Each 15c, extra large size 25 cents.



CROWN OF THORNS.



CYCLAMEN.

**CACTUS.**

To some people these curious plants are interesting and attractive, and we therefore offer them here. We have many choice varieties at 10c to 25c each. A collection of 6 varieties for \$1.00 postpaid.

**NIGHT BLOOMING CEREUS.**—This gorgeous cactus bears abundant pure white blossoms measuring twelve in. across. A plant loaded with these flowers is a sight never to be forgotten. Blooms at night and is very fragrant. Better order one and call your neighbors in to see it bloom. This is the true round stemmed variety and not the common flat leaved sort. Each 15c, large 35c.

**CHRISTMAS CACTUS.**—*Epiphillum.*—Common basket cactus. Stems branching and hanging in bunches. Flowers bright red; blooms freely. Each 15c.

**COCOLOBA.**

A very nice basket plant with beautiful foliage and curious flat, jointed stems. Each 10c.

**CASSIA.**

**MRS. TEMPLE.**—A fine shrubby plant growing about 3 feet high and bearing bright yellow flowers in the fall. So profusely are the flowers produced that when in bloom it is a blaze of yellow. Each 15c.

**CHINESE LANTERN PLANT.**

**GIANT SCARLET GROUND CHERRY.**—A remarkable novelty of sturdy, upright growth and is loaded with bloom-like husks 3 to 3½ inches in diameter. These husks are at first light green, gradually turning to a bright yellow and then to intense orange scarlet. Fruit of excellent flavor either fresh for dessert or for preserving. It is a perennial, the roots living over winter in the ground. Strong plants 10c each, 3 for 25c.

**CHRISTMAS PEPPER.**

Surprisingly pretty house plant. A round, compact bush twelve to fifteen inches in height with dark olive green leaves and covered with curious little heart-shaped fruits of bright colors—purple, white, yellow, orange and red on the same bush. Each 15c.

**CENTAUREA.**

**GYMNOCARPA.**—(Dusty Miller)—A dwarf, silvery foliated plant used largely for ribbon beds or borders. Each 10c, dozen 75c.

**CUPHEA.**

**PLATYCENTRA.**—This is the old fashioned cigar plant with racemes of narrow, tubular flowers of scarlet tipped with purple. Popular because it is always in bloom, and is bright and attractive. Each 10c.



NEW VARIETIES OF COLEUS.

**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 varicolored rugs spread at short intervals on the smooth lawn. These are formed of Co-leus. The following include the very best varieties:

**DEWEY.**—A better bedder and a brighter color than Verschaffeltii; color is a bright crimson, edged maroon.

**CUBA LIBRE.**—A bright crimson, shading to maroon with finely scalloped edges of pea green.

**BRILLIANCY.**—Has enormous leaves like a Rex Begonia; yellow, crimson, pink and green; coloring very fine.

**GOLDEN BEDDER.**—Color yellow. This is the best yellow coleus for bedding; deep gold in the sun.

**CRIMSON BEDDER.**—Purplish crimson. **SUNSET.**—Center of leaf brownish purple shading to crimson; edge yellow.

**ETHEL.**—Resembles a Pfister in shape of leaf, but color is very dark.

**MRS. JOHN HOEHRER.**—Rich maroon bordered with golden band. Large pointed leaf.

**PERFECTION.**—Large leaf type. Color a deep crimson streaked red, with border of yellow. One of the most striking.

All of the above varieties of coleus each 10c, dozen 75c. Mixed varieties suitable for bedding, unnamed, 60c per dozen, \$4.00 per 100, postpaid.

**DOUBLE DAISY.**

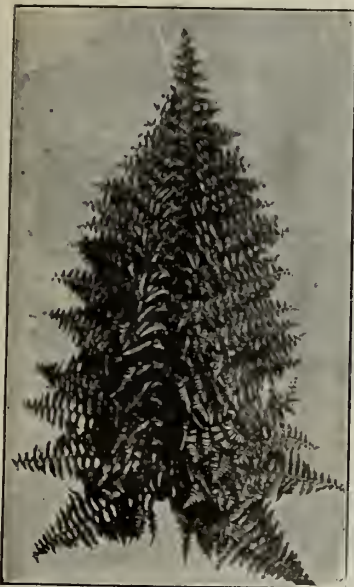
Very double; pure white and pink flowers. Blooms freely and makes a fine plant for growing in beds alone or with pansies. Each 10c, dozen 60c.

**ECHEVERIA.**

A little, succulent plant, commonly called "Old Hen and Chickens." Used in parks and cemeteries for ribbon beds and borders. Each 10c, dozen \$1.00.



## FERNS.



THE BEAUTIFUL FROND OF  
ELEGANTISSIMA FERN.

**ELEGANTISSIMA.**—This is a sport from the well known Ostrich Plume Fern in which the plummy peculiarity of the original form is even more distinctly developed, the side pinnae being again subdivided, making both sides of the frond equally beautiful while at the same time the plant is of much more compact habit, growing only one-half as tall, but with fronds nearly twice as wide, making it a much more desirable plant for all purposes. They are quite rare. Each 15c. Large 50c.

**SCOTTI.**—Of more dwarf growth than Boston and makes a handsome pot plant. A rapid grower and very hardy. Each 20c.

**BOSTON FERN.**—(Improved Sword Fern)—This is a wonderfully healthy, rapid growing and graceful house plant which has been in great demand everywhere, and many people buy it in preference to the finest Palms or Rubber Plants. Thrives in all rooms, gas or furnace heat does not seem to injure it. It is one of the most beautiful and useful of house plants, being of easy culture and its sword-like fronds, on large specimens, attain a length of 5 to 6 feet, produced in bewildering mass, arching, curving and interlacing in every conceivable direction. Each 15c. Large plants 25c and 50c.

**OSTRICH PLUME FERN.**—(Piersonii)—A beautiful novelty which is a sport from the above but is indescribably more beautiful. Its feathery plume-like fronds represented in our cut more nearly resemble the graceful ostrich plume than anything else in nature to which we can compare them. One has to see a plant in growth to appreciate its beauty and value. The fronds grow broad and heavy, measuring at least six inches across when fully developed, increasing in beauty as they develop. Each 15c. Large 25c, 50c and \$1.00.

**WHITMANI.**—Combining all the graceful pluminess and charm of *Elegantissima*, with additional features of shape, size and growth that give it distinction and added commercial value. Whitmani is of more dwarf growth, but equalizes matters by compactness, and a wider, stockier shape. The fronds, although even more fine-cut, are more erect, and less liable to revert to the original Boston type. Each 25c. Large 75c. Extra fine specimens \$1.00.

**PHILADELPHIA LACE.**—(Amerpohli)—The latest Ostrich Plume Fern. Beautiful feathery foliage. Compact dwarf growing habit; most delicate and graceful of its class. Truly a beautiful fern for the home. Each 25c.

**BARROWSIL.**—A type of Ostrich Plume with fronds more stiff and erect than the Piersonii, slightly finer. A fine variety. Each 15c. Large 50c.

**ANNA FOSTER FERN.**—A beautiful new variety of the Boston Fern having broad fronds, and petals are finely cut or divided into tiny leaflets, a most beautiful and graceful effect. Each 20c.

## FUCHSIAS.

These, when in full bloom, are the most graceful of all cultivated plants; nothing surpasses the beauty of well grown specimens.

**ELM CITY.**—A popular variety and one of the best; tube and sepals bright coral red; large double purple corolla; blooms all year. Each 10c.

**SPECIOSA.**—Sepals bluish, corolla carmine. Best winter bloomer. Each 10c.

**TRAILING QUEEN.**—Of beautiful trailing habit; fine for hanging baskets. Bright rich scarlet and purple flowers. Each 15c.

**WHITE PHENOMENAL.**—The grandest double white variety in existence; should be in every home. Each 15c.

**PHENOMENAL.**—Enormous flowers, a single one measuring 3 in. across; sepals bright scarlet, rich purple corolla, very double, flaked with red. Ea. 10c.

**MONARCH.**—This is by far the largest of the single varieties. Its immense blooms are a very dark purple. Ea. 10c.

**BLACK PRINCE.**—Tube and sepals bright carmine, sepals large and broad with pale green tips; large, open, pale pink corolla. We once had a plant 7 feet high, loaded with two thousand flowers at once. Each 10c.

**SUNRAY.**—A novelty in the Fuchsia family. Very different from other varieties in that their beauty lies in the foliage, from which it gets its name. All the colors of the sunset, clear yellow, golden bronze and red are combined in the most effective way to make a pretty foliage plant. Each 20c.

**MRS. E. G. HILL.**—Beautiful fine red sepals, white corolla. A standard variety of great beauty. Each 15c.

**LITTLE PET.**—A little beauty, the plant being covered with a profusion of small pink and purple flowers. Each 15c.

**MARY.**—A great novelty with small but very long, single, bright coral red flowers growing in large clusters. If you like Fuchsias you must have it. Each 15c.

**BLAND'S NEW STRIPED.**—Corolla purple, striped rose. Ea. 15c.

**ROSAINES PAITRE.**—Double white corolla with deep carmine sepals; a blossom of beautiful contrast. Extra large. Each 15c.

**JUPITER.**—A new giant flowered variety from France. The flowers are of really mammoth size, with very rich violet purple corolla. Tube and sepals bright crimson. Plant is a strong, hardy, free grower. Each 15c.

**FUCHSIA COLLECTION**—Six elegant varieties, all different, for 50c.



BOSTON FERN.

**MAIDEN HAIR FERN.**—Very popular. The most graceful and useful of all for cut flower work. Each 15c.

**SMALL FERNS.**—A nice assortment for ferneries or fern pans. Each 10c. 6 for 50c, doz. 85c.

**MOSS FERN.**—(Selagnellia or Lycopodium)—Has delicate lace-like foliage. Fine for fern dishes and always beautiful. Each 10c.

**PTERIS ALBO LINEATI.**—Beautiful small variety with handsomely variegated green and white foliage. Fine for fern dishes. Each 10c, dozen \$1.00.



JUPITER FUCHSIA.

WHITE PHENOMENAL.

SULPHO-TOBACCO SOAP WILL DESTROY THE PLANT LICE AND KEEP YOUR PLANTS HEALTHY.



# SINGLE GERANIUMS.

Geraniums are the most easily grown and satisfactory of all flower plants and only the rose can vie with them in popularity. We have about 200 varieties growing at our place and test a large number of new sorts every year. After careful comparison we have selected the following as the best:

**CARMEN SYLVA.**—Grandest single pure white geranium in existence. It is of vigorous, healthy growth and blooms profusely, plant being loaded with immense trusses of bloom; do not turn pink even in severe weather. Each 15c.

**HALL CAINE.**—Fine large trusses produced in great profusion, held high above the foliage; individual florets immense,  $2\frac{1}{2}$  to 3 inches in diameter; color bright cherry red; the habit is dwarf and compact; exceptionally valuable as a pot plant for exhibition purposes. Each 10c.

**CHAMELEON.**—An Improved Single New Life.—First sent out years ago; owing to its slow propagation was nearly lost, and it has not been prominently offered recently. When first introduced sold at \$5.00 per plant. It is what might be called a "sport" or "freak" of nature, as it is quite erratic in its growth as is shown by our illustration. Some flowers are red, some white, some pinkish salmon, and some are clearly striped with the three colors. Frequently one plant will have on it flowers of all three colors at the same time; others will bloom for months showing only one of these colors then changing to some other hue. It bears many trusses of large single flowers. Its name was suggested by its peculiar way of changing color. Each 20c. doz. \$1.75.

**JAQUERIE.**—Fine shade of crimson scarlet flowers in immense trusses on very long stems. Fine for bedding as it is a very vigorous grower. Each 15c.

**GRANVILLE.**—Color is a beautiful rose pink; white blotches on upper petals. Strong grower and compact in habit. A good bedding sort. Each 10c.

**YVETTE PROST.**—Fine large flowers and strong trusses. Color violet rose shading to white center. A very striking and beautiful blossom. Each 15c.

**PHOEBE.**—Striking shade of rose with light pink shading. Large flowers. Foliage darkly zoned. Each 10c.

**TIPPIN.**—A new glowing single scarlet of especial value as a bedder. Attractive; showy. Flowers profusely. Ea. 10c.

**RICHMOND BEAUTY.**—See colored plate. One of our Old Glory five. Each 15c. dozen \$1.50.

**SOUVENIR DE MIRANDE.**—Handsome and most satisfactory. Nicely formed, round florets, upper petals cream white, with distinct salmon rose border; lower petals salmon rose and streaked with pure white. Free flowering, producing magnificent blooms. Each 10c.

**ALICE OF VINCENNES.**—A charming novelty which has a border of intense scarlet forming a band around the body color of rosy pink, heavily veined with scarlet; center white. Each 10c.



AUREOLE.

**BLACK PRINCE.**—A very dark, rich, velvety crimson. The nearest black known in single geraniums. Each 10c.

**ELECTRIC.**—A very large flower of most brilliant scarlet with distinct white eye. Each 10c.

**AUREOLE.**—(Mad. Bruanti)—Fancy flowered sort; remarkable colors. Plant is loaded with blooms and each floret is large, center being white and beautifully veined with carmine lake, radiating into a handsome aureole, each petal being bordered with bright solferino. Fine pot plant and constant bloomer. Each 15c.

**MRS. E. G. HILL.**—A most distinct and pleasing shade of salmon with light shading at the center. Ea. 10c. doz. \$1.00.

**ADMIRATION.**—A flower of beautiful light salmon color, feathered with apricot. A delicate and lovely shade. Plant strong and robust. Each 15c.

**MONTE CRISTO.**—A choice variety of our own production. Color is light salmon pink. Flowers are extra large, round and full, with trusses of immense size. Fine variety. Ea. 15c.

**RADIUM.**—A fine scarlet flower with white center. It bears extremely large trusses and the blossoms are large, so that the plant usually appears all bloom. Each 20c.

**BON TON.**—One of the new varieties of special merit as it is a strong grower and very free flowering. Has beautiful foliage with light shading. Each 20c.

**MAXIME KOVALEVSKI.**—A brilliant orange. Flowers are round, of splendid form. A novelty of great beauty. Each 20c.

**MADAME THEBES.**—Large, pure white flowers. Petals edged with pink. A most attractive variety. Fine for contrast. Each 15c.

**COMMANDANT OTT.**—Violet crimson with large white eye. A fine variety of strong growth. Each 25c.

**GLORIE DEROUGES.**—Bright, rich scarlet. Growth and habit strong and robust. One of the best of single scarlet for all purposes. Each 15c.

**PRINCESS ALEX.**—Flower rose salmon shaded pink. Perfect blossoms in large trusses. Extra choice as a pot variety. Ea. 15c.

## GERANIUMS BY THE HUNDRED.

Descriptions found on this and adjoining pages.

S. A. Nutt, Alphonse Riard, Double Dryden, Mrs. Lawrence, Beauty Poltevin, Decorator, LeFavorite, Peter Henderson, Bruanti.

For such of our customers who wish a number of geraniums for bedding we offer fine strong plants of the above varieties from 2½-inch pots at \$5.00 PER HUNDRED, BY EXPRESS, NOT PREPAID.

The customer can select 100 from the varieties here listed in such numbers of each as wanted. If you cannot use 100 perhaps you can get a neighbor to take a part of the order.

**SCARLET FIELD COLLECTION OF BEDDING GERANIUMS.**—S. A. Nutt, Alphonse Riard, Bruanti, Marquise de Castellanne, Decorator, Peter Henderson. One plant each of the above scarlet bedding varieties for only 50c. postpaid.

A collection of above in large plants from 4-inch pots, by express, not prepaid, for only 75c.

**HOUSEHOLD COLLECTION OF SINGLE GERANIUMS.**—A selected list of choice geraniums providing a pleasing show of contrasting shades and blooming continuously. One plant each of Jaquerie, scarlet; Mrs. E. G. Hill, salmon; Maxime Kovalevski, brilliant orange; Carmen Sylva, pure white; Monte Cristo, salmon pink, and Granville, rose pink. postpaid, 60c.

YOU WILL NOT FIND ANYWHERE A MORE COMPLETE LINE OF GERANIUMS. AND THE PRICES ARE RIGHT.



SOUVENIR DE MIRANDE.



# DOUBLE GERANIUMS.

**OLD GLORY.**—This grand novelty, introduced by us, fully described and illustrated on back of floral color plate. Each 20c, doz. \$2.00.

**DOUBLE NEW LIFE.**—A novelty and a departure in every way. The outer petals are a brilliant red. In the center of these appears another semi-double floret, pure white in color, effecting a very charming contrast, difficult to realize unless seen, and having the appearance of being produced artificially. This was lately sent out in England at a fabulous price. Each 15c, dozen \$1.50.

**BLUE BEAUTY.**—An European variety of a new color, described and illustrated on colored plate of flowers. Each 25c.

**GOLDEN DAWN.**—The nearest yellow of any geranium, rich carmine. Each 15c.

**GLORY DE FRANCE.**—A large round flowered double geranium, of waxy appearance, white with carmine center, petals edged with orange scarlet. Each 15c.

**MRS. LAWRENCE.**—Shining salmon tinted white; free flowering; compact dwarf habit. Extra fine as a pot plant. Strong and vigorous. Each 15c.

**DR. PHILIPPE TISSIE.**—Fine white center, outer edge of petals light crimson. Striking in its beauty and admirable in growth and habit. Each 20c.

**JULES VASSEUR.**—Semi-double. Vermillion scarlet with distinct white eye. A new variety of promise. One of the best of this type. Each 20c.

**ALPHONSE RICARD.**—Bright vermilion scarlet. Trusses strong and upright. Free bloomer and of special merit either for pots or bedding. Ea. 10c.

**DOUBLE DRYDEN.**—Color combination very attractive. Center coral white, shading lilac to edge of petals, which are soft, glowing crimson. Specially choice as a pot plant. Each 15c.

**MARQUISE DE CASTELLANE.**—Flowers are very large, perfect in form and borne in large trusses. The color varies from a brilliant cerise to a bright cherry red, with brilliant carmine shadings. Each 15 cents.

**BERTHA DE PRESLEY (new).**—A beautiful light pink. Stands sun without fading. Will be sure to give satisfaction; either for beds or in pots. Each 15c.

**FLEUVE BLANC.**—Pure white flowers, very large, semi-double; a profuse and constant bloomer. Sun-proof and foliage zoned, making it exceptionally fine for a white bedder. Each 15c.

**BRUANTI.**—One of the finest bedding sorts. As will be seen by illustration the leaves are beautifully zoned and therefore showy at all times. Flowers are double and semi-double and are of a bright vermilion red, trusses are large, often eight inches in diameter. Each 10c, dozen \$1.00.



DOUBLE NEW LIFE.

**BEAUTY POITEVIN.**—A great favorite and conceded of the best semi-double bedding sorts. Color salmon pink, shading to clear salmon in center. Each 15c.

**FIRE DRAGON.**—Our cactus flowered scarlet novelty. Illustrated and listed with Old Glory Collection on colored plate. Each 20, dozen \$2.00.

**DECORATOR.**—Scarlet bedder of slightly lighter shade than S. A. Nutt, of Bruanti type, sun-proof, and a vigorous variety. Each 10c.

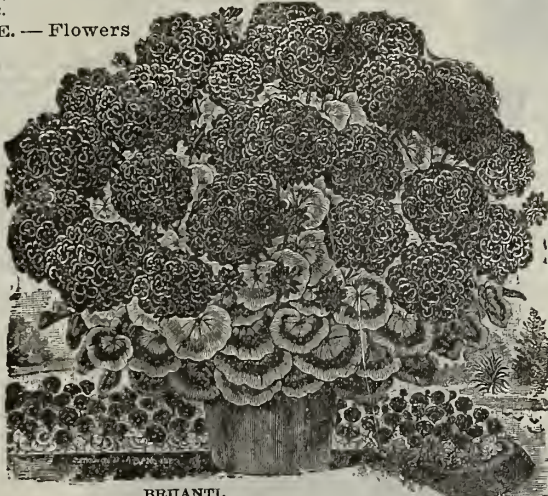
**PETER HENDERSON.**—A Bruant geranium; large, semi-double red flowers on large trusses. A splendid bedding sort. Each 15c.

## FAVORITE COLLECTION.

La Favorite, Beauty Poitevin, Double Dryden, S. A. Nutt, Mrs. Lawrence, Bruanti, Alphonse Ricard.

One each of the above, giving a range of colors in the standard sorts which are universal favorites, for 60c, postpaid.

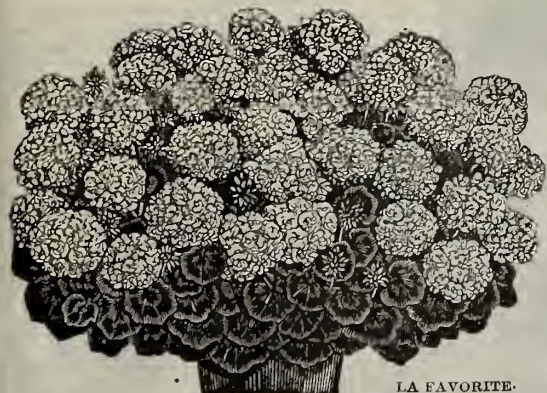
This collection from 2½-inch pots, large plants, by express, not prepaid, for only 80c.



BRUANTI.

**IMPROVED LA FAVORITE.**—What S. A. Nutt is among dark crimsons, La Favorite is among the whites; without doubt the best double white geranium ever offered. It is a strong grower and a profuse bloomer. Each 10c. doz. 85c; by express, not prepaid, 50 for \$2.75, 100 for \$5.00.

**JEAN VIAUD.**—Very large semi-double blooms borne in large trusses well above the foliage; individual floret large, color bright rosy pink with distinct white blotch in the center. Each 15c.



LA FAVORITE.

**S. A. NUTT.**—The best crimson bedding variety. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety, being used in the largest parks and public grounds of the country in preference to all others. Its dense, compact growth, profuse blooming qualities and sun-proof constitution combined give it the prominence as a bedder it has attained. As a pot plant it cannot be excelled. We sell thousands for borders and large beds. Each 10c, dozen 85c. By express, not prepaid, 50 for \$2.75; 100 for \$5.00. Large plants from four inch pots by express, per dozen \$1.50.

**TREGO.**—This plant is a decided novelty as well as one of the strongest growing and most free flowering geraniums. It is of robust, compact habit, regular in form. The trusses are of immense size, produced in profusion and borne on stiff stems held well above the foliage. The individual florets frequently measure 2½ inches in diameter, semi-double, and of intense brilliant, almost dazzling scarlet color. Each 15c, dozen \$1.50.



GLORY DE FRANCE.

YOU WILL NEED FLOWER POTS WHEN YOU TAKE UP YOUR PLANTS IN FALL. SEE PRICES.



## FANCY LEAVED GERANIUMS.



WM. LANGGUTH GERANIUM.

### SCENTED GERANIUMS.

**LADY PLYMOUTH.**—A beautiful variegated variety of the Rose Geranium. Propagates slowly and the demand usually exceeds the supply. Each 15c.

**NUTMEG.**—Small leaves with nutmeg perfume.

**OAK LEAVED.**—Beautiful foliage resembling oak leaves, black center with green border.

**ROSE SCENTED.**—Two kinds, the broad leaf and cut leaf. This is the most popular of scented geraniums.

**SKELETON LEAVED.**—Leaves very finely cut, rose fragrance.

**BALM.**—Has delicious balm fragrance.

**LEMON.**—A nice little plant of bushy growth with delightful lemon fragrance to the leaves.

**MRS. TAYLOR.**—A scarlet flowered rose geranium. The blooms resemble the pelargonium, but are smaller and of bright scarlet color. Blooms constantly.

**PEPPERMINT.**—A rare variety with thick "hairy" leaves and refreshing peppermint fragrance. Is probably the most popular of the scented geraniums as its strong yet pleasant fragrance will be noticed among a general collection of sweet blossoms blending in harmony with them. Each 15c.

**APPLE.**—A standard scented variety and a favorite for its strong apple fragrance. Each 15c.

Any of the above sweet scented varieties 10 cents each \$1.00 per dozen, except where noted.

### IVY LEAVED GERANIUMS.

**CAESAR FRANCK.**—Double as a Crimson Rambler rose. Specialists claim this to be the best Ivy Geranium. Color soft, rich crimson scarlet, shaded rose at base of petals. Foliage clean, waxy green. Vigorous, quick growing and strong. Finest for baskets, vases, etc. Each 25c.

**MRS. HAWLEY.**—Flowers semi-double, bright pink with dark blotch on upper petal. An excellent growing variety. Each 15c.

**ETINCELENT.**—Beautiful scarlet; extra large flowers. Very double and will be satisfactory. Each 15c.

**EDEN MARCHI.**—Handsome of the ivy leaved sorts. Has enormous sized flowers; color beautiful salmon rose, slightly shaded violet. It is an improvement on the Charles Turner. It is a strong, free grower, producing flowers at almost every joint which are full double and perfect in form. Each 15c.

**CHARLES TURNER.**—Very double, and is without doubt one of the handsomest ivy geraniums ever introduced; florets two and a half inches across. The color is a deep, bright pink, approaching scarlet in color. Each 10c.

**JEAN DE ARC.**—Very large and finest white in existence. Perfectly double, white as snow; flowers literally cover the plant when in full bloom. Each 10c.

**P. CROZY.**—A hybrid between the Zonales and Ivies. Color soft, bright scarlet with veinings of maroon. Each 10c.

**CORDEN'S GLORY.**—Fine, bright scarlet; large, bold, full flowers; constant bloomers; one of the very best. Each 10c.

**ALLIANCE.**—A beautiful novelty. A cross between an ivy and a zonal geranium. Described and priced on floral colored plate.

**GRACE PAGE.**—This we consider one of the finest plant novelties and we permitted our florist to name it in honor of the daughter of the manager of this company. It is identical with the old standard dark crimson S. A. Nutt geranium except in foliage, which is beautifully variegated. Nothing in geraniums can surpass the beauty of this variety with its large trusses of double crimson flowers against their variegated background. It is a sport from the S. A. Nutt, of vigorous growth and an exceedingly profuse bloomer. The leaves are of dark green, and each bears a border of pure snowy white. We are safe in saying that there is no variegated sort on the market which blooms so freely. It is well adapted either for pot culture or bedding, and is a strong grower and good bloomer. Don't fail to try it. Each 20c, per dozen \$2.00.

**WM. LANGGUTH.**—This new silver leaved geranium is a beautiful variety. The plant is short, stocky growth, and the beautiful deep green leaves are bordered with a broad, pure snow white band, so that it is handsome even when not in bloom. It is, however, free flowering for a fancy foliage variety, and the flowers are double. Clusters are extra large and a bright red color, showing magnificently against the white foliage. Each 15c.

**MRS. POLLOCK.**—Magnificent. Green leaf disc, overlaid by beautiful bronze red, belted with bright crimson, outwardly margined with golden yellow. Each 15c.

**MARSHALL McMAHON.**—Golden yellow, marked with a deep chocolate zone. A splendid bedding variety. Each 15c.

**MAD. SALLEROL.**—A very compact variety of silver leaf geranium. Fine for massing or bordering; thrifty; leaves green, edged with white. Has a peculiar manner of growth which renders it of special value for edgings or ribbon-work. Each 10c, dozen 85c.

**CRYSTAL PALACE GEM.**—Yellow, with green disc; fine bedder. Each 10c.

**MOUNTAIN OF SNOW.**—Finest of this class for ribbon lines or massing; center of leaf bright green, margin broadly marked silver white, scarlet flowers. Each 10c.

**DISTINCTION.**—Round green leaves with clear black circle. Each 10c.

**HAPPY THOUGHT.**—A tricolored geranium with dark green foliage; creamy white center with dark band about the light zone; flowers bright scarlet. Each 10c.

**GOLDEN CIRCLE.**—Green foliage; golden yellow edging; flower scarlet. Each 10c.

**MRS. PARKER.**—A grand new silver leaved variety with double pink flowers. A unique novelty. Each 20c.

**HAPPY THOUGHT COLLECTION.**—Happy Thought, Golden Circle, Mad. Sallerol, Crystal Palace Gem, Mountain of Snow, Marshal McMahon. Six of the finest fancy leaved sorts in splendid contrast for only 50c, postpaid.

**FRAGRANT COLLECTION.**—Nutmeg, Rose, Mrs. Taylor, Apple, Lemon, Lady Plymouth. A half dozen of the sweetest of the scented varieties for only 50c, postpaid.

**IVY LEAF COLLECTION.**—Caesar Franck, Jean D'Arc, Chas. Turner, Eden Marchi. One each of the four choicest ivy leaf varieties for only 45c, postpaid.



IVY GERANIUM—EDEN MARCHI (One-half natural size.)



**FORGET-ME-NOT.**

Everyone 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 continue to thrive year after year. Each 10c, dozen 75c.

**GREVILLEA.**

**SILK OAK.**—One of the quickest growing of any of the ornamental house plants. It is easy to manage, grows rapidly and is pretty in all stages of growth. With its long drooping, silky foliage, it reminds one of a palm or fern. The young growths are of a light bronze color, the tips being covered with a soft down closely resembling raw silk. Each 15c.

**GENISTA.**

**SHOWER OF GOLD.**—A most desirable plant. 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 foliage. Each 10c.

**HIBISCUS.**

**GRANDIFLORA.**—A large, shrub-like, woody plant bearing immense single red flowers. Each 15c.

**PEACHBLOW.**—One of the finest free flowering plants for either pot culture or the open ground. Flowers very large, double and of a charming rich, clear pink, with deep crimson center. Each 15c.

**HYDRANGEA.**

**OTAKSA MONSTROSA.**—A Japanese variety used extensively for Easter decorations. Produces enormous trusses of intense pink flowers. Makes excellent specimen plants for the porch or lawn. Blooms the entire season. Each 15c.

**THOMAS HOGG.**—The immense trusses of flowers are at first slightly tinged with green, changing to the purest white. Each 15c.

**PANICULATA GRANDIFLORA.**—See description on page 110. Each 10c, large 30c.

**JEANNE D'ARC.**—Very large flower of purest white. Leaves green; stems brown. Fine. Each 15c.

**MARIESIL.**—Color light pink shaded mauve. A distinct and effective variety. Each 15c.

**ARBORESCENS.**—The new snowball hydrangea. See description with hardy shrubs on page 110. Each 25c, large 50c.

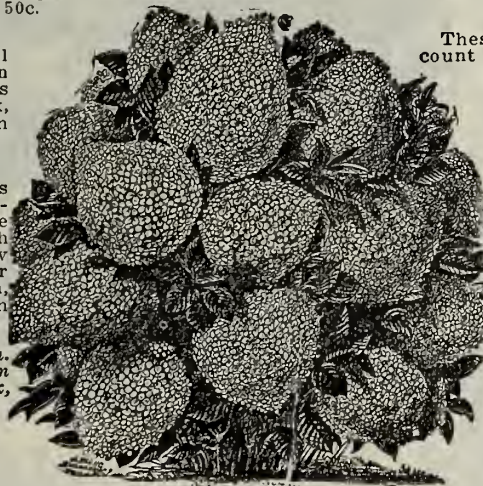
**FARFUGIUM.**

**GRANDE.**—(Leopard Plant)—A beautiful ornamental foliage plant, for planting in open border, or in shaded position; leaves 4 to 8 inches in diameter; are of a thick, leathery texture, dark green color, with bright yellow spots. Each 15c.

**FEVERFEW.**

**IDEAL.**—Originated on our place and is for superior to the older sorts. It is a vigorous, strong growing plant bearing large clusters of unusually large flowers, which are pure snowy white without any yellow shading or center. An excellent plant for bedding, producing a succession of bloom, and very desirable for cemeteries. Each 10c, dozen 75c.

*The plants received today in good condition. Thanking you for the careful attention given the order, I am, Yours truly—Mabelle Kirk, Purdin, Mo.*



HYDRANGEA PANICULATA GRANDIFLORA.

**IMPATIENS.**

**SULTANA.**—Beautiful plant producing waxy, bright flowers of rosy scarlet almost continuously, winter and summer; suitable for either pot or garden culture. Of compact growth; almost a perpetual bloomer. Each 10c.

**HOLSTII.**—Strong and robust growing variety with brilliant vermilion colored blossoms. One of the best. Each 15c.

**PINK BEAUTY.**—Well named, the color being a most beautiful shade of c'ear pink. Each 15c.

**WHITE LADY.**—A fine pure white to complete the list and add the necessary shade in desirable contrast. Each 15 cents.

**IMPATIENS COLLECTION.**—One plant of each of the above four fine varieties for only 40c, postpaid.

**JERUSALEM CHERRY.**

An old-fashioned plant grown for its showy, berry-like fruits which remain on the plant for a long time. Used generally in window gardening but will grow quite large if given room. Each 15c.



GREVILLEA OR SILK OAK.



**HELIOTROPE.**

These are universal favorites on account of their delightful fragrance. Flowers equally well as bedding plants in summer, or as pot plants in the house during the winter.

**CZAR.**—A new giant flowering, very dark colored sort, almost black. Each 15c.

**JERSEY BEAUTY.**—Very large trusses of blue flowers. Each 10c.

**SNOW WREATH.**—Superb large cluster of delicious fragrant flowers, nearly white. Each 15c.

**BUISSON FLEURI.**—Semi-dwarf. Very large trusses of large flowers. Color violet; star-shaped eye. Each 10c.

**PRINCE CHARMANT.**—A beautiful foliage and large trusses of mauve blue flowers. A novelty of merit. Each 15c.

**ICE PLANT.**

Interesting from its being covered with ice-like crystals. Flowers very pretty. Ea. 10c.



ICE PLANT.





NIGHT BLOOMING JASMINE.

**HOMEMAKERS' COLLECTIONS.**

In this age of the world there are so many attractions to call the children away that parents must make home pleasant in order to hold them.

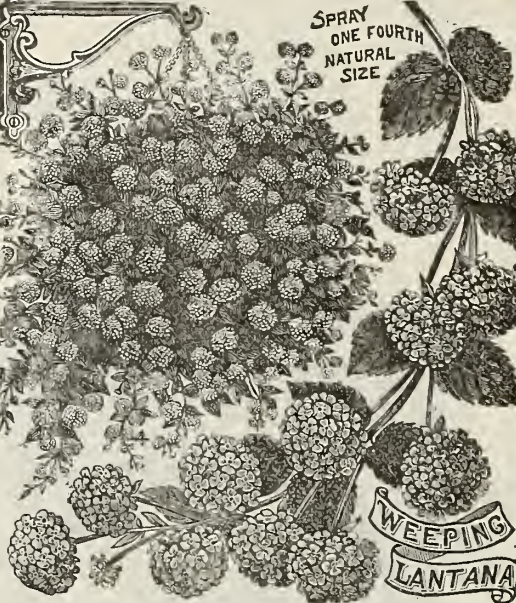
**HOMEMAKER'S COLLECTION OF FLOWER SEEDS.**—One packet each of 12 varieties for 25 cents.

**HOMEMAKER'S COLLECTION OF FLOWER PLANTS.**—Consists of 12 choice flowering and ornamental plants, well suited to make an attractive, showy bed. Sent postpaid for 50 cents.

**HOMEMAKER'S WINDOW GARDEN.**—Consists of 10 choice flowering plants suitable for growing in the house. A fine assortment and all different. Price 50 cents postpaid.

**HOMEMAKERS' SUMMER BLOOMING BULB COLLECTION.**—Contains 24 choice bulbs for outdoor planting. All blooming size and may be planted in one bed. This is one of our best offers and we think you will be pleased with it. Postpaid for 50c.

**HOMEMAKERS' PERMANENT BED COLLECTION.**—Something everyone should have. Consisting of Iris, Lilies, and other hardy herbaceous plants, 24 in all, postpaid for \$1.00.



**LEMON VERBENA.**

A universal favorite, invaluable for its fragrant leaves. They will retain their fragrance for years when dried. A splendid plant for hedges and as a plant for the garden or for pots it is equally valuable, its fine sprays of foliage and delicious fragrance making it desirable for bouquets, etc. In good rich soil each plant will cover a space of three to four feet in diameter. Each 10c, dozen \$1.00.

*I received the package of plants you so kindly sent me. Please accept my sincere thanks for them. They all look nice and fresh and think they will grow. Yours respectfully—Mrs. H. D. Reinken, Watrous, N. Mex.*

*I received the plants by mail today. They are fine. I thank you so very much for the interest you have taken in all of my orders.—Mrs. W. W. Luce, Midway, Wyo.*

**JASMINE.**

**MAID OF ORLEANS.**—A beautiful plant of easy culture, fine grower, good bloomer, very fragrant and of elegant waxy white appearance. Each 20c.

**NIGHT BLOOMING.**—World famous variety, producing pure white fragrant flowers incessantly. Each 15c.

**CAPE JASMINE.**—(Gardenia Florida)—A pretty, low growing evergreen shrub with thick, glossy green leaves and waxy white double flowers of delicious sweetness; highly valued for winter flowering in the house or conservatory. Each 20c.

**GRANDIFLORUM.**—An old favorite variety and most satisfactory. Valuable as a plant for winter blooming. Flowers pure white, star-shape. Fragrant. Each 15c.

**REVOLUTUM.**—A climbing variety with deep yellow single flowers and glossy foliage. A beautiful plant and readily grown. Each 20c.

**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. It 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.

**JAVOL.**—The best, largest and freest blooming white variety. Everyone will be pleased with it. Each 15c.

**PERFECTION.**—The only Lantana having variegated foliage. Is unusually handsome. Outside rows of florets are pink with rose center; inside florets very light sulphur yellow; orange center. Blooms freely. Each 10c, doz. \$1.00.

**GOLD CUP.**—A dwarf compact grower, with very pretty lemon yellow flowers, having golden yellow center. Each 10c.

**AMIEL.**—Semi-dwarf, very compact; fine bloomer, umbel and floret fine size. Reddish orange with yellow center. Recommended for its fine form and masses of bloom. Each 10c.

**WEEPING.**—A beautiful trailing variety, very desirable for planting in hanging baskets, vases, pots or open ground. Bears an immense profusion of lovely clear pink flowers from early summer until late in the fall. Everyone is delighted with it. Each 15c.

**RADIATION.**—Semi-dwarf. Color brilliant red with orange yellow center. Distinct and beautiful blending of color. Each 15c.

**CORBEILLE D'ARGENT.**—Dwarf white. Flowers large and borne profusely. A fine, strong grower and very attractive. Each 15c.

**VERSICOLOR.**—When first open flower is cream yellow with red center. Cream gradually changes to pink, but flower is fine at all times. Each 10c.

**LEO DEX.**—A fine grower. Has large round leaves and a fine flower of purple red. A most desirable variety. Each 10c.

**PLEUR D'OR.**—A solid colored flower of orange shade. One of the oldest but still a standard sort. Each 10c.

**RADIANT LANTANA COLLECTION.**

This is a collection which will please any lover of bright flowers. The perfect blossoms in fine variegation are certainly beautiful.

Radiation, Javol, Amiel, Perfection and Weeping Lantanas. One each of five fine shades of color for only 50c, postpaid.

**LOBELIA.**

These are handsome trailing plants and are profuse bloomers; elegant for baskets, vases and borders. Each 10c, dozen 75c.



LOBELIA.



AMIEL LANTANA.



**PONDEROSA LEMON.**

Nothing has ever caused half the commotion that this wonderful Lemon has. It is a true ever-bearing variety. On a plant six feet high no less than eighty-nine of these ponderous lemons were growing at one time. It was a beautiful sight to see. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea to ripe fruit, showing it to be a true ever-bearer. Blossoms waxy white and as fragrant as orange blossoms. Fruit has been taken from the tree weighing over four pounds. The lemons have a very thin rind for such large fruit. It is the juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make twelve pies from one lemon. It fruits when quite small and makes a lovely house plant.



PONDEROSA LEMON.

**STRAWBERRY GUAVA.**

A useful and ornamental pot plant wonderfully productive and will prove equally popular with the Lemon and Orange listed above. Has dark, shining green foliage, with fruits of striking claret shade, about the size of a hulled walnut. Fruit is used for dessert and makes a most attractive jelly. It will have buds, blossom and fruit in various stages of development on the plant at one time. Each 20c.

**TROPICAL FRUIT COLLECTION**

Everyone is interested in the manner of growth of the tropical plants and we offer below some of those which are suited for house culture, believing they will be popular

Ponderosa Lemon, Otaheite Orange, Banana Palm, Strawberry Guava.

One strong, thrifty plant of each of the above for only 60c, postpaid.

I received a "Ponderosa Lemon" from you three years ago and am very much pleased with it. It has ten lemons on now and the largest ones measure thirteen and one-half inches in circumference. It is a surprise to everyone who comes in.—Mrs. Anna M. Jones, Dayton, Virginia.



OTAHEITE ORANGE.

**OXALIS.**

**GOLDEN STAR.**—(Ortgiesi)—A shrubby plant about 12 inches in height, branching freely, bearing clusters of golden star-shaped flowers. Each 15c.

**BOWEL.**—An elegant species from the Cape of Good Hope. Bears very large deep pink flowers. Each 10c.

**LASIANTRA and DIEPPI** are offered among summer flowering bulbs, page 79.

**OTHONA.**

A very pretty plant for basket culture. Each 10c.

**MARGUERITE**

**WHITE.**—A French improvement on the old White Marguerite which has for years been so popular. Is much larger and will produce ten times as many flowers. All flower lovers should try a few of these. Each 10c, dozen \$1.00.

**CORONATION.**—An exceptionally large flowered variety from England. Its color is pure white. Extremely profuse. Cannot fail to please. Each 15c.

**YELLOW.**—Similar to the above, but of a very pretty canary yellow color. It blooms freely and continuously. Each 10c.

**QUEEN ALEXANDRA.**—A great improvement on the White Marguerite, having larger flowers, which are produced in greater abundance, many flowers coming perfectly double. Each 15c, dozen \$1.25.

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



BLUE MARGUERITE DAISY.

It will fruit freely the second year. Strong plants each 15c, postpaid. The large two-year-old plants 50c and 75c each by express.

**OTAHEITE ORANGE.**

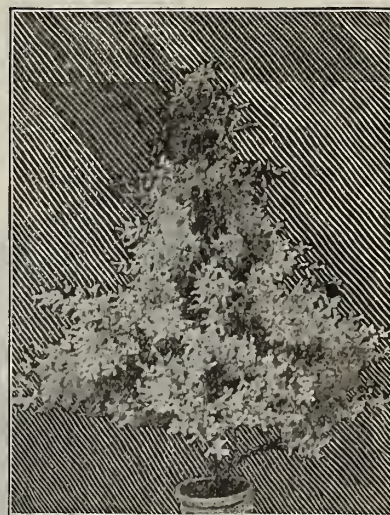
An extra fine pot plant, with glossy green leaves, the true fragrant orange bloom and abundant little bright oranges that will hang on the little bush like balls of gold for six months after they are ripe. With good culture they are never out of fruit from one year's end to another and at least two-thirds of the time are in flower also. In beauty, grace and fragrance there is nothing like its delicate, leafy sprays of bloom. Each 15c. Large size 50c each, by express.

**MOSCHOSMA RIPARIUM.**

A delicate novelty and we believe it will soon become very popular. It was first brought to this country from tropical South Africa, and has been grown and tested by perhaps a dozen florists in various parts of the country and has everywhere given such satisfaction that we list it with confidence. We consider it one of the very best winter flowering plants ever introduced. It is as easily grown as a Coleus or Chrysanthemum, the leaves are very fragrant throughout the year and it begins blooming in December and continues loaded with bloom until late in March. The shape of a well grown plant is shown by our cut but it is impossible to give any adequate idea of its beauty. Each branch ends with a dense feathery plume of small white flowers. Such a great novelty would usually be sent out at about forty to fifty cents per plant but we purchased a large number to begin with and have had such good success in growing that we offer the plants at only 15c each, \$1.50 per dozen.

**OLEANDERS.**

These old fashioned shrubs are becoming popular again. No plant makes more handsome specimens in tubs for veranda or yard. Each 25c.



MOSCHOSMA RIPARIUM.



## PALMS.

The most elegant and highly decorative of all plants and the low prices at which they are now offered place them within the reach of all. The following are the most desirable for house culture:

**LATANIA BORBONICA, or Fan Palm.**—One of the most popular varieties grown, prized especially for its beautiful large fan-shaped leaves of deep glossy green. Each 25c.

**KENTIA BALMOREANA.**—This is considered one of the hardiest and best palms in cultivation. A rapid grower. Each 25c.

**ARECA LUTESCENS.**—A truly graceful and beautiful palm. Strong, upright grower with long, finely cut leaves. Easy to grow and very satisfactory. Each 20c.

**PHOENIX CANARIENSIS.**—The date palm. A popular sort and will be found a desirable member of the palm collection. Leaves are feather-like. Each 20c.

**SEAFORTHIA ELEGANS.**—Grows more rapidly than most palms. A beautiful and satisfactory plant. Each 20c.

One each of the above five stately palms for 85c, postpaid. We can furnish fine large specimen plants of any of the above by express, not prepaid, at \$1.00, \$2.00 or \$3.00 each, according to size desired.

## 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.

**MRS. ROBERT SANDIFORD.**—This is a grand double white variety; the flowers are extra large, perfectly double and beautifully laced and ruffled. The color is glistening snow white, exceedingly beautiful. Ea. 25c.

**VICTOR.**—Bright, cherry red, with white markings at base of petals, upper petals heavily spotted with deep maroon. Each 20c.

**CAPTAIN RAIKES.**—A grand ruffled or fringed variety with very large flowers borne in large, finely shaped trusses. Color bright red, with light center, heavy maroon blotches in upper petals. Each 25c.

**WONDER.**—Very handsome large single flower. Color pure white, blotched chocolate crimson, making it decidedly showy. Each 15c.

**CYCAS REVOLUTA.**—(Sago Palm)—Magnificent plants of noble and majestic habit, and most impressive. They are probably the most valuable decorative plants grown; their heavy, glossy, deep green fronds resist alike the gas, dust or cold. Strong young plants 50c each, postpaid. Large specimen plants \$1.00, \$2.50, \$5.00, \$10.00 and \$15.00 each, according to size, by express, at purchaser's expense.

**BANANA PALM.**—(Musa Ensete)—One of the grandest and most picturesque of the banana family. 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 advisable. One at our greenhouse produced fruit this last season, so it is seen they are not difficult to grow. Each 25c.



BANANA PALM.



KENTIA PALM.



LATANIA BORBONICA PALM.

## PANSY GERANIUM.

This beautiful flower belongs to the Pelargonium class. The flowers are 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. This new and beautiful geranium is of easiest growth, dwarf in habit and literally covered with flowers, and as it requires little or no attention it is invaluable as a window plant. Colors and markings of flowers are most extraordinary. Each 25c.

## PLUMBAGO.

**CAPENSIS.**—There is no plant in our greenhouse that 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. 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. Each 10c.

**CAPENSIS ALBA.**—The white flowered variety of the above, with which it is identical except in color of flower. Each 10c.

## DOUBLE PETUNIAS.

**RUFUS.**—Pure white, mottled deep tyrian rose. Each 15c.

**VIVIAN.**—A beautiful bright glowing red, bordered with white, finely fringed. One of the best. Each 15c.

**PSYCHE.**—A beautiful deep rosy pink changing to almost purple. A fine large flower. Each 10c.

**CRIMSON QUEEN.**—One of the best crimson petunias. Each 10c.

**FANTASA.**—A handsome double white and purple petunia. Striking variegation. Each 15c.

**EUREKA.**—This is a decided novelty. The groundwork of the flower is a deep purple, which is beautifully marked and pencilled with cream, white and pink, the whole forming a most gorgeous combination. Each 15c.

**HELEN GOULD.**—A beautifully fringed pink variety. One of the handsomest sorts in existence. Each 10c.

**SEA FOAM.**—A new double white fringed variety; unsurpassed among fringed sorts for purity of color, size, form and vigor of growth. Each 15c.

**SNOW QUEEN.**—White varieties are always scarce; this is an extra choice new double white petunia which for profuse flowering qualities is unsurpassed; for keeping has no equal. Each 15c.

**DOUBLE MIXED.**—One of the most beautiful plants for massing, mixed borders and vases. The brilliancy and variety of its colors, combined with the duration of its blooming period, render it invaluable for garden decoration. Our stock is unsurpassed and includes the best blotched and fringed sorts. Mixed varieties. Each 10c, dozen 90c.

**GIANT FANCY.**—A very large single flowered variety, a free bloomer and very showy. Each 15c, dozen \$1.25.

I am much pleased with the plants you sent. They arrived in excellent condition and if they do not live it will be my own fault. Rose Dismore, which I got from you, is blooming beautifully. Yours truly—Mrs. Alice Booth, Austin, Man., Can.

The flower plants I ordered from you were received May 13 in fine order. I thank you for your kindness and care in sending me such a fine collection of choice plants. They looked so fresh—not even withered. I planted them and they don't look like they had been moved. —Mrs. Sarah Makinson, Topeka, Kansas.



FANTASA DOUBLE PETUNIA.





PANSY PLANTS.

**PRIMROSE.**

**MEXICAN.**—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. Each 10 cents.

**OBCONICA.**—A lovely perpetual blooming primrose. Flowers of rose lilac, shading to white. 10c.

**CHINESE.**—A most popular flower for winter blooming. 15c.

**THE BABY.**—(Primula Forbesi)

—It is a wonderfully free blooming plant, commencing to flower as soon as "oorn." It forms a dense rosette of somewhat fleshy leaves from which spring the flowering stems, twelve, fifteen, and even twenty inches tall, supporting three tiers or whorls of dainty flowers of a delicate rosy lilac, with eye of pale gold. The flowers are not more than a half inch in diameter, but they are produced abundantly from September until June. Each 10c.



CHINESE PRIMROSE.

**PANSIES.**

Pansy plants are quite a specialty with us and we sell immense numbers of them every year. Our plants are grown from the very best quality of seed and are strong and vigorous and have beautiful large velvety flowers of all shades and colors known in pansies. Extra large strong plants of **American Giant, International, New Rainbow, Trimardeau, Masterpiece** or **Butterfly** mixtures at 50c per dozen; 4 dozen for 1.50, postpaid. We can also supply the following named varieties in separate colors: **Fire King, Snow Queen, Golden Yellow, King of the Blacks, Azure Blue, Lord Beaconfield**, at 45c per dozen, 4 dozen for \$1.25, postpaid.

**Choice Bedding Mixed**, per dozen 35c, 4 dozen for \$1.00, postpaid.

**DRACENA.**

**INDIVISA.**

(Fountain Plant)

Listed by some among palms. It is a fine decorative plant growing about 2 feet high with slender, drooping green leaves, long and narrow. Each 15c.



MEXICAN PRIMROSE.

**RUSSELLIA.**

**ELEGANTISSIMA.**—A pretty little plant for producing hundreds of bright scarlet flowers. Fine for hanging baskets or vases. Each 10c.

**RUBBER TREE.**

(Ficus Elastica)—During the past few years there has sprung up an immense demand for rubber plants and they are highly valued everywhere for their tropical appearance. Leaves are very large, thick and leathery and of a beautiful shining green color. It endures the dry air of living rooms remarkably well. Everybody likes it. They are difficult to propagate and will always remain high in price. Each 50c. Larger size \$1.00 and \$1.50 each.

**MILLIONS OF BEDDING PLANTS**

We grow bedding plants in enormous numbers to supply this branch of our trade, and we quote below special prices by the hundred. We will sell 50 or over of one kind at hundred rates. At these prices customers are to pay express charges, but as they go at special rates the cost will still be low

for the quantity and quality received.

Your choice of colors, our choice of varieties:

	Per 100
Acalypha .....	\$8.00
Ageratum .....	4.00
Alternanthera .....	3.50
Alyssum .....	3.00
Artemesia (Dusty Miller).....	5.00
Asters .....	2.00
Begonia (Tuberous) .....	5.00
Cannas (growing plants).....	6.00
Coleus .....	4.00
Dusty Miller (Centaurea Gymnocarpa) .....	3.50
Feverfew (Golden Feather)....	4.00
Geraniums .....	5.00
Heliotrope .....	7.00
Lobelia .....	4.00
Pansies (Separate Colors).....	2.50
Pansies (Giant Mixtures).....	3.00
Pansies (Choice Bedding Mixed)	2.00
Pennisetum .....	3.00
Petunia .....	6.00
Roses .....	5.00
Salvia .....	8.00
Santolina .....	4.00
Verbena .....	4.00



BABY PRIMROSE.

**PURPLE FOUNTAIN GRASS.**

(Pennisetum Rucpelianum).—A beautiful annual grass, growing about 2½ ft. high, producing long, graceful, cylindrical, purplish plumes. An excellent ornamental plant, and the most appropriate to use as an edging to a bed of Cannas. Young plants ready in May. Each 10c, \$1.00 per doz., \$6.00 per 100; seed, 10c per pkt.



RUBBER TREE.

WILL QUOTE PRICES ON ANY KIND OF GREENHOUSE PLANTS IN QUANTITY ON APPLICATION.



**SALVIA.**

**MRS. CHAS. N. PAGE.**—One of the finest of all bedding plants, being completely covered during the summer and autumn with long spikes of dazzling scarlet flowers, remaining in bloom until cut down by frost. Each 15c, dozen \$1.50. Large size from four-inch pots, each 25c, dozen \$2.25.

**CLARA BEDMAN.**—A dwarf early and very free blooming variety, the plants appearing to be almost completely hidden by the mass of brilliant scarlet flowers. Each 20c, dozen \$2.00.

**SPLENDENS.**—The old favorite but not as free a bloomer as above sorts. Each 10c, per dozen 75c.

**SILVER SPOT.**—Foliage green, spotted clear white; flowers bright scarlet. An attractive bedding plant. Each 15c, dozen \$1.25.

**SANSEVERIA.**

**ZELANICA.**—There is scarcely a decorative plant listed that is more striking in appearance, and certainly none other that will stand as much downright neglect. It will grow in a dark, cool room or stand on the mantel in a heated sitting room. Will stand gas or dust and go months without water, yet remains as thrifty as ever. Singularly beautiful, as well as easily grown. Erect, rigid, sword-like leaves which are thick and fleshy, dark green color, beautifully striped crosswise with white. Each 15c. Large plants 40c

**SANTOLINA.**

A very pretty dwarf growing little plant. The foliage is finely cut and of silver gray color, thus making it particularly useful and valuable for edgings and ribbon beds, as it contrasts finely with plants of darker color or larger leaves, like Coleus. Each 10c, per dozen 75c.

**SEA PINK.**

An attractive little plant also known as Armeria or Thrift. It is a hardy perennial having a rosette of narrow grass-like leaves and bearing handsome compact heads of pink flowers. Useful for bedding or borders or rockeries. Each 10c, per dozen \$1.00.

**SEDUM.**

(Stone Crop)—Small, low growing plants desirable for rockeries or bedding. Four varieties. Each 10c, dozen 75c.

**SELAGINELLA.**

A beautiful, low growing, moss-like plant. Fine for ferneries or planting in moist places. Each 10c, per dozen \$1.00.

**SOLANUM.**

**JASMINOIDES GRANDIFLORUM.**—This beautiful plant is of trailing habit, but if desired it can be cut back to a bush form. It has star-shaped flowers borne in large clusters or panicles, frequently a foot across. They are pure white with a violet tinge on back; equally good bloomer in summer and winter and is very effective when planted to cover a low wall or trellis. Each 10c, dozen \$1.00.

**STEVIA.**

**SERRATA.**—A pretty flowering plant. Largely grown by florists in pots for blooming in the fall and winter. Plants are of upright growth, 18 in. in height, producing numerous sprays of small white florets of delightful fragrance. Not hardy and therefore should be potted in the fall for winter blooming. Each 15c.

**VARIEGATED.**—A beautifully variegated green and white leaved variety of Stevia of great value for ribbon beds and borders. Each 15c, dozen \$1.25. Ask for prices in quantity.

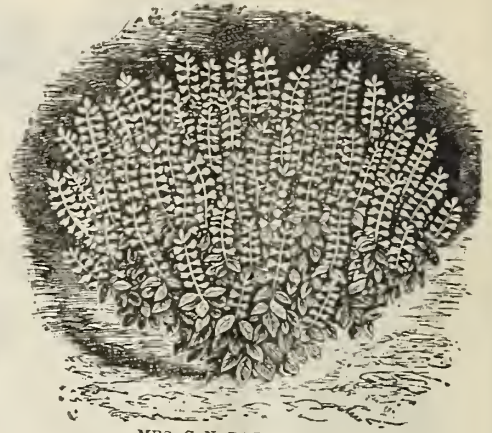


**MAMMOTH VERBENAS.**

Everybody likes Verbenas, as no one can help enjoying the sight of a nice bed covered with dark green leaves and brilliant blossoms. We have a large stock of the large flowered varieties which bloom freely and are of the finest colors. We can furnish separate colors such as red, pink white, blue, purple, maroon striped, etc., or nicely assorted, just as you prefer, at 10c each, 75c per dozen.



MAMMOTH VERBENA.



MRS. C. N. PAGE SALVIA.

**STREPTOSOLON.**

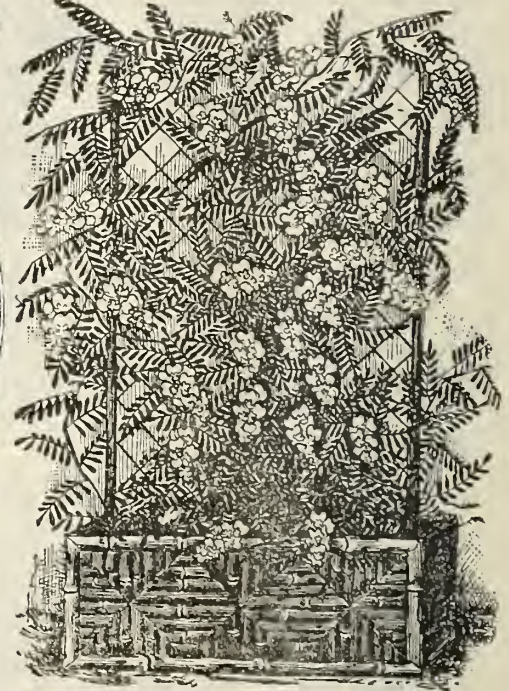
A charming plant closely resembling the Browallia. It is desirable for the flower bed and also for winter blooming in the house. Makes nice bushy little plants 8 to 10 inches high, and blooms all the time, the plants being laden with a great number of flowers. Large flowers, fully 2 inches across, lovely deep violet color. No trouble to grow and a most constant and satisfactory bloomer, winter and summer. Strong plants. Each 15c, dozen \$1.25.

**STROBILANTHE**

**ROYAL PURPLE.**—Excellent bedding plant and a beautiful foliage plant for pot culture. Forms a compact bush 18 in. high, with leaves 6 to 9 in. long, of beautiful metallic purple, shading into light rose with a light green margin, a combination unapproached by any other plant. Flowers violet blue, borne in immense racemes. Each 15c.



SANSEVERIA



WHITE SWAINSONIA.

**SWAINSONIA.**

**WHITE.**—A beautiful new climbing plant. The habit of growth is extremely graceful, and the vine 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 flowers resembling Sweet Peas in form. Easily grown. Each 10c.

**PINK.**—A beautiful new sort, similar to above, except that the flowers are a clear pink color. Each 15c.



## ROSES.

We consider these not only the most popular, but also the most satisfactory of all flowers, and therefore we make roses a leading specialty and are now devoting more space in our greenhouses and more land in our fields to roses than ever before. Our plants are grown on their own roots and are strong, healthy and vigorous. We have taken great pains in preparing this list which represents the choicest selections from nearly a thousand varieties, and we are sure every one will prove satisfactory. The two-year-old plants offered are out-door grown, dormant plants of most varieties. Roses sent by mail or express prepaid in perfect condition to the most distant parts of the United States and we guarantee safe arrival. Directions for culture sent with every package. **One dozen of any variety at price of ten.**

**NOVELTIES.**—Be sure and notice the desirable new varieties described on front cover of this catalogue.

**BEAUTY INCONSTANT.**—A wonderful new variety, producing flowers of many shades of pink, red, crimson and yellow, all on the same bush at once, making a plant of indescribable beauty. Each 15c. Two-year-old plants 40c.

**BESSIE BROWN.**—Blooms are very large in size, full double and of perfect shape; color creamy white flushed and tinged with pink. Blooms freely. Each 20c. Two-year-old plants 40c.

**BON SILENE.**—One of the oldest varieties in the entire list and has been grown for 70 years. It still retains its place as one of the best. Color deep rose though varying at times to a lighter shade. Each 10c. Two-year-old plants 25c.

**BRIDE.**—A fine pure white cut flower rose. Very double. Buds are of very large size, carried high and erect; unsurpassed for purity and whiteness. Each 15c. Two-year-old plants 25c.

**METEOR.**—One of the standard varieties of hybrid tea or ever-blooming roses. It is remarkable for its strong growth, constant and abundant blooming. The color is bright, rich, velvety crimson, a delightful shade and the most popular of colors. Flowers are large, double and fragrant, and its popularity is based not on any one good quality but because it combines all the desirable qualities of a choice rose. Each 10c. Two-year-old plants 25c.

**UNCLE JOHN.**—Never out of bloom during the growing season. A satisfactory and pleasing variety. Strong bush form growth and not troubled with disease. The flowers are fine buff yellow, shading to pink and white, and are fragrant, very large and double. Each 15c. Two-year-old plants 30c.

**LA DETROIT ROSE.**—The La Detroit Rose is a magnificent new hybrid tea rose, of largest size and splendid form; color clear flesh pink, shading to deep rose; fine broad shell-shaped petals, very full and deliciously tea scented; a vigorous grower and abundant bloomer. One of the handsomest and most promising of the new roses. Each 20c.



CHATENAY.

**CHATENAY.**—A most wonderfully beautiful rose. Flowers of elegant shape with slightly recurved petals. Color creamy rose shaded with rosy carmine. An extra choice free blooming garden variety. Each 15c. Two-year-old plants 35 cents.

**BRIDESMAID.**—Like the Bride but of a lovely shade of clear pink. Thousands of this sort are grown every year for cut flowers, and it is also very desirable for summer bedding out of doors. Each 10c. Two-year-old plants 25c.

**COQUETTE DE LYON.**—A most desirable bedding variety of light canary yellow color. The flowers are extra large, finely formed, deep and double. Each 15c. Two-year-old plants 35c.

**EMILE GONIN.**—A grand new variety. Creamy white tinted with orange yellow at the base of petals, while the tips of petals are reflected and broadly margined with bright carmine crimson. Each 15c. Two-year-old plants 30c.

**FRANCISCA KRUGER.**—A strikingly beautiful rose of deep copper yellow quite unique and distinct from all others. Of large size and very symmetrical. Each 15c. Two-year-old plants 35c.

**FRANCES E. WILLARD.**—This extremely beautiful new pure white ever-blooming rose has proved a most valuable variety for garden bedding. It is a strong, vigorous grower, making healthy, handsome bushes. The buds and flowers are of large size and perfect form, pure snow white, delightfully fragrant and very full and perfect. It is such a vigorous grower that its branches shoot up above the ordinary bushes and it will do better if given some support. It will bloom much more the second season than the first. Each 15c. Two-year-old plants 35c.

**GOLDEN BEDDER.**—The finest golden yellow Tea Rose. A strong, healthy, vigorous and a profuse bloomer. By some it is called Star of Lyons. Each 20c. Two-year-old plants 35c.

**GRUSS AN TEPLITZ.**—One of the brightest colored roses known. When first opened it is a dark, rich crimson, quickly changing to a bright scarlet. Blooms continually. Each 15c. Two-year-old plants 30c.

**GOLDEN GATE.**—A beautiful free blooming and healthy flower, long stems and continuous bloom. Flowers creamy white, delicately tinged with golden yellow and bright rose color. Each 10c. Two-year-old plants 25c.

**IVORY.**—As indicated by its name the flower is pure ivory white while the plant is all that is desired. A strong grower, vigorous and healthy. Each 10c. Two-year-old plants 25c.

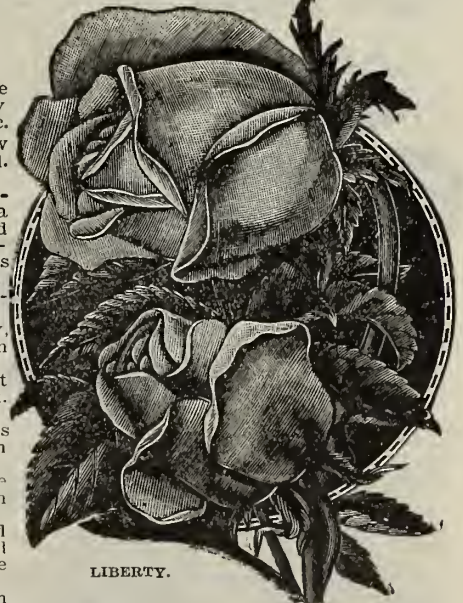
**LIBERTY.**—A hybrid tea rose of the very best type. A strong grower and abundant bloomer. One of the finest for cut flowers because of its beauty and fragrance. Color indescribably rich, glowing, dark crimson scarlet; of immense size. Very double and fragrant. Each 20c. Two-year-old plants 40c.

**MAD. DE WATTEVILLE.**—The tulip rose. A beautiful variety, color cream yellow, tinted rose pink. Petals are bordered with crimson, making it a striking and attractive flower. Each 15c. Two-year-old plants 30c.

**MALMAISON.**—A pink rose of varied shadings, light blush, rose and deep pink. It is quite hardy and is very valuable for outdoor planting. Flowers very large and double and altogether a satisfactory variety. Each 15c. Two-year-old plants 30c.



MALMAISON.



LIBERTY.

**MARIE VAN HOUTE.**—An old time sort which has not been superseded. Flowers deep, double and canary yellow in color. As the flowers mature the color changes to cream with tints of rose. Each 15c. Two-year-old plants 30c.





**SUNSET.**—Beautiful old gold color shaded with coppery crimson, with sunset tints. Each 15c. Two-year-old plants 30c.

## SWEETHEART ROSE COLLECTION.

OUR CHOICEST OFFER FOR THIS SEASON DESCRIBED AND LISTED ON FRONT COVER.

**PRINCE CHARMING.**—Yellow, shaded Chinese pink and saffron. Each 20c. Large two-year-old plants 50c.

**CHERRY RIPE.**—Bright cherry red. Each 25c. Two-year-old plants 50c.

**ETOILE DE FRANCE.**—Clear red or crimson velvet shade. Each 20c. Two-year-old plants 40c.

**FRAU KARL DRUSCHKI.**—Immense snow white blossoms. Also known as White American Beauty. Each 20c. Two-year-old plants 35c.

**SWEETHEART.**—A strong growing climber. Color bright pink changing to soft white as buds mature. Each 20c. Two-year-old plants 40c.

ONE PLANT OF EACH OF THE ABOVE 75 CENTS. LARGE TWO-YEAR-OLD PLANTS READY TO BLOOM \$1.60.

## SET OF LA FRANCE ROSES.

SET OF FOUR LA FRANCE ONLY 40 CENTS. DORMANT \$1.00.

La France roses are certainly the nearest perfection of flowers. Distinctive characteristics of the set are the true La France fragrance and beautiful form. Hardy.

**RED LA FRANCE.**—(Duchess of Albany)—Deep, rose pink hue. Very large, double and of superb form. Each 10c. Dormant 35c.

**LA FRANCE.**—Beautiful form in bud and full bloom; very large, full and globular; a constant bloomer; color pink or silvery rose—a satiny sheen, as it has been termed. Each 15c. Dormant 30c.

**WHITE LA FRANCE.**—Identical with LaFrance, except color. It is pearly white, sometimes tinted fawn. Each 10c. Dormant 30c.

**STRIPED LA FRANCE.**—Rich, creamy pink with silvery gloss, the whole beautifully etched and streaked with carmine. Ea. 15c. Dormant 30c.

## QUALITY SET OF ROSES.

The Choicest Varieties for Those Who Wish Quality.

**PRESIDENT CARNOT.**—Magnificent New Hybrid Tea Rose which we consider one of the daintiest and most charming and fragrant roses in cultivation. Color soft, creamy fawn, overlaid with delicate pink. Each 15c. Large two-year-old 35c.

**PRINCESS BONNIE.**—An ever-blooming crimson, deep, solid and vivid. Very fragrant. One of the most prolific of roses. Each 15c. Two-year-old plants 35c.

**GEN. ROBT. E. LEE.**—Ranks with Princess Bonnie as a producer of fragrant blossoms. Color orange yellow, sometimes shading to darker salmon. Each 15c. Two-year-old plants 30c.

**SIR THOMAS LIPTON.**—A hardy hybrid rugosa rose. Grows 4 feet high, strong and vigorous. Flowers double pure white. Fine for hedging, cemeteries or massing. Each 20c. Two-year-old plants 45c.

**QUEEN BEATRICE.**—A hybrid tea rose with flowers very large and double. Color deep pink changing to lighter shade as it opens. Offered as the queen of pink roses, and it is stated to have brought the originator \$30,000 for control of it when first introduced. Each 20c. Two-year-old plants 45c.

**DUCHESS DE BRABANT.**—This unites the highest attributes of a garden rose; very vigorous, never fails to produce flowers, healthy, rarely disease in any way; beautiful in bud or open flower and delightfully fragrant. The color is an attractive shade of soft, rosy pink, deepening to bright rose. Each 15c. Two-year-old plants 35c.

A SET OF SIX QUALITY ROSES FOR 75c. LARGE TWO-YEAR-OLD PLANTS \$1.35.

**SOUVENIR DE WOOTON.**—We put this first on our list as we consider it one of the most beautiful and satisfactory roses grown. A rich shade of velvety crimson, deliciously fragrant; a constant and most prolific bloomer, and flowers frequently six inches across. Each 10c. Two-year-old plants 25c.

**SUNRISE.**—The color of this beautiful rose is so varied it is difficult to describe. Buds yellow and scarlet and as they open the colors deepen, the yellow changing to orange and copper, while the scarlet grows darker. The inside of petals are golden yellow and the contrasts of the flowers so striking that it will attract attention anywhere. Each 15c. Two-year-old 30c.



DUCHESS DE BRABANT.



QUEEN BEATRICE.

BE SURE AND READ DESCRIPTION OF NOVELTY ROSES ON FRONT COVER.



## Three Grand Chrysanthemum Novelties.



MONOGRAM CHRYSANTHEMUM.

Chrysanthemums are decidedly the most popular of all fall flowers, and they have held this place for fully a dozen years past and their popularity seems to be constantly increasing. Chrysanthemum shows are now a leading feature of all the large eastern cities. There are a number of show varieties, however, which do not do well with ordinary cultivation, and we list only such varieties as our customers can succeed with. The following are three of the very best novelties, but other standard sorts will be found listed in the plant department of our catalogue. These varieties are sure to attract great attention on account of their exceptionally large size, fine shape and beautiful colors. The largest sized flowers are always developed by allowing only one flower to mature to each stem, keeping all side shoots and other buds cut off.

**MONOGRAM.**—An excellent new mammoth flowering sort, which is by all odds the largest and finest of the pink varieties. It is a strong grower, therefore will succeed well with everyone. It makes a handsome shaped bush, well loaded with attractive large flowers, but if kept to a single stem will produce a bloom about 6 or 7 inches in diameter. Color a pleasing pink, without any off shading. Attractive when on the plant, in bouquets, or for ladies' wear. Each 25c, 3 for 50c.

**WHITE SWAN.**—Decidedly the best of the Ostrich Plume type of chrysanthemums. It is a vigorous grower, produces nice, large plants, which bloom extra well and hold up the flower well above the foliage. The blossoms are of large size, pure snowy-white color and each petal is covered with long hair-like filaments. It makes a fine pot plant and will produce lots of bloom. It has a coarse, downy growth covering the outside petals and giving them a beautiful feathery

appearance, differing from all others and strikingly resembling ostrich plumes. Each 15c, 3 for 40c.

**SUNBURST.**—A most glorious new chrysanthemum and finest golden yellow variety ever sent out. It is of such a brilliant glowing color as to suggest the name. This is an ideal exhibition or show flower, frequently measuring 22 inches in circumference, and of especially large size when grown to a single stem. It is of beautiful Japanese somewhat incurved form with broad petals and of great substance; while the petals are of intense golden yellow on the face, they have a somewhat lighter shade on the reverse side which adds to the brilliancy. It makes an excellent pot plant, covered with bloom and when well grown the plant has almost the appearance of a ball of gold. It is of vigorous, healthy habit and always satisfactory. Each 20c, 3 for 50c.

**COLLECTION.**—One strong plant each of above three Chrysanthemum Novelties 35c.

## Old Glory Collection of Five Fancy Geraniums.

It is probable that no plant will ever supplant the Geranium for brilliancy and general bedding effects and our fields this year were particularly showy where we were growing an immense number of varieties, including practically all of the latest European novelties. Many of the foreign varieties, while quite satisfactory when grown in the greenhouse, will not stand our dry summers and hot sun, but they soon sun scorch badly, and we have, therefore, been obliged to discard many sorts which were very promising, but our customers must have the best. We are glad to recommend the following choice varieties:

**OLD GLORY.**—This grand novelty which we introduced 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. 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 20c, dozen \$2.00.

**RICHMOND BEAUTY.**—This is considered the most magnificent new single variety and it is indeed a beauty. The color is a brilliant scarlet crimson with a large white feather in the two upper petals. This feathering shades to a violet before reaching the scarlet edge, thus adding to the beauty and brilliancy. The truss is quite large, the flowerets are of fine round form. It is a healthy, vigorous grower, free

bloomer, standing the sun well, and unusually showy and a beautiful novelty. Each 15c, dozen \$1.50.

**FIRE DRAGON.**—All geranium lovers will welcome this unique and strikingly beautiful flower, which belongs to the new class called "Cactus Flower" geraniums. It is a unique and distinct type which originated in England and at once became a popular favorite. It is of handsome, thrifty, dwarf growth with small foliage and a marvelous profusion of bloom. The plant is of elegant form and the curled and twisted narrow petals give it an exquisite grace not shown in any other type of geraniums. The color of the flower is a bright scarlet crimson, exceptionally showy and striking. Each 20c, dozen \$2.00.

**BLUE BEAUTY.**—A European variety of 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 vermilion near the base. The blue tint shows better after flower is fully out. Each 25c, dozen \$2.50.

**ALLIANCE.**—This exquisitely beautiful novelty is a cross between the Ivy and Zonal sorts containing all the best points of both parents. The flowers are large semi-double and produce fine trusses. It is of an exquisite shade of very pale pink turning to white in some. The upper petals are feathered and blotched with rich crimson maroon, very distinct and pleasing. This plant was introduced two years ago at 75c each, but we have propagated it quite freely and are enabled to reduce to each 20c, dozen \$2.00.

### GERANIUM COLLECTION.

Consists of one plant each of the above five charming novelties for only 60c.

One dozen plants of each for only \$5.50.

### IMPORTED GERMAN CANARY.

A beautiful Hartz Mountain Canary, imported from Germany, guaranteed, tested songster, for only \$3.00; purchaser to pay express charges.

### HOME AQUARIUM COMPLETE.

Three Fancy Gold Fish, one gallon glass globe, plants and shells to beautify the globe and a box of food for the fishes, by express, customer paying charges for only \$1.25.

**NOTE:** We have a few extra strong plants of each of the above varieties growing in 4-inch pots which are quite desirable for immediate effect and will furnish a collection of five for \$1.50, charges prepaid to any town in the United States.



THREE GRAND  
*Chrysanthemum*  
 Novelties

FOR ONLY  
 35¢

WHITE  
 SWAN.

MONOGRAM.



SUNBURST



OLD GLORY



RICHMOND BEAUTY



FIRE  
 DRAGON



ALLIANCE

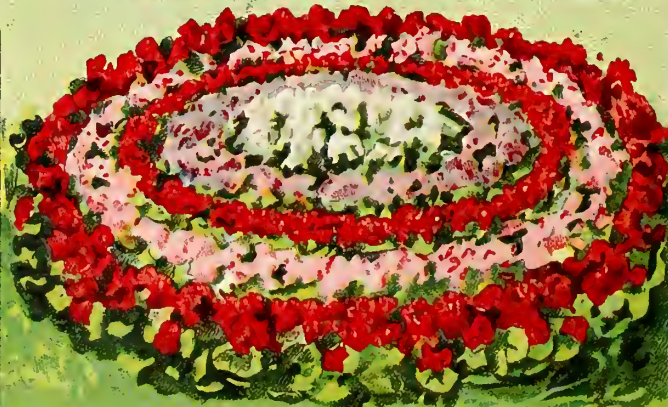


BLUE BEAUTY

IMPORTED GERMAN  
 CANARY.



AN  
 ELEGANT SINGER.  
 FOR ONLY  
 \$3.00



OLD GLORY COLLECTION  
 OF FIVE FANCY GERANIUMS FOR 60 CTS.  
 ONE DOZEN PLANTS OF EACH FOR \$5.50

STECHER CO ROCHESTER, N.Y.

HOME AQUARIUM  
 COMPLETE



3 FANCY GOLD FISH IN A  
 ONE GALLON GLASS GLOBE  
 WITH PLANTS, SHELLS AND A  
 BOX OF FISH FOOD FOR ONLY  
 \$1.25





**MRS. ROBERT PEARY.**—(Climbing Kaiserin Augusta Victoria) —Most remarkable new rose of recent introduction. Universally praised not only by professional but also by amateur growers. It is ever-blooming and while not classed as a hardy variety will live over winter with slight protection. The flowers are extra large, full, deep and double. The buds are long and pointed. Color pure ivory white, of delicious fragrance. Grows 10 to 15 feet in a single season. Each 20c. Strong two-year-old dormant plants each 50c.

## INTERNATIONAL ROSE COLLECTION.

SIX INTERNATIONAL FAVORITES 75c; LARGE TWO-YEAR-OLD PLANTS \$1.75.

OFFERED IN COLLECTION ON INSIDE FRONT COVER PAGE. We first listed this collection last year and sold thousands of them with universal satisfaction to our customers. So popular has the collection become that we again give it a prominent place in our catalogue this year.

**AMERICAN BEAUTY.**—Our national favorite. Unequaled for large size, beauty and fragrance. Do well in open ground, and with slight protection live throughout the winter in the north. Flowers very double, of deep brilliant red, shading to a rich crimson carmine. Has the true ever-blooming qualities. Strong young plants each 15c. Large two-year-old dormant plants 35 cents each, per dozen \$3.25.

**ENGLAND'S FAVORITE.**—Our attention was immediately attracted by this charming, peculiar colored rose when we were traveling through Northern England where this variety is very popular. The outside petals are a rich, deep golden yellow, shading to a deep coppery yellow toward the center of the flower. A hardy climber. Each 20c, dozen \$1.75. Two-year-old plants each 40c, per dozen \$3.50.

**KAISERIN.**—In Germany roses are very popular, and they have named this, their very choicest variety, the Kaiserin Augusta Victoria, as it is decidedly the finest white ever-blooming hardy garden rose. It is a soft, pearly white, lightly tinted with lemon at the center. Free and continuous bloomer. Buds are of faultless shape, developing into large, very double flowers of exquisite fragrance. Each 15c, doz. \$1.50. Large two-year-old plants each 30c, doz. \$3.00.

**KILLARNEY.**—Killarney is fast pushing out the other sorts with the city florists and the cut flowers sell at about fifty per cent higher prices, owing to the fact that the buds are especially long and the color of the rose is a peculiarly bright, living, rosy pink, more beautiful than any other pink rose that has ever been on the market. A free bloomer, easily grown, and of strong, healthy constitution, we believe will produce as many flowers to the plant as any variety on our list. Each 20c, doz. \$1.75. Large two-year-old plants each 40c, per dozen \$3.50.

**KING OSCAR.**—Named after King Oscar of Sweden, and surpasses any heretofore offered. Hardy, strong growing variety and flowers as freely as any dark colored sort, though it will not produce as many flowers during the season as the Kaiserin or Killarney. It is such a rich, dark color that in comparison with other varieties it appears almost a maroon black. Each 20c, doz. \$1.75. Large two-year-old plants each 40c, doz. \$3.50.

**MARECHAL NEIL.**—Grand old French variety, ever beautiful and of surpassing fragrance.

It is a climbing rose which, when well cultivated, will produce an immense number of flowers and we have known single plants to have on more than five hundred roses at onetime. Hardy in the South but will not stand severe winters, and must be taken in and kept dormant during the winter, or may be kept growing in the house or conservatory. They are excellent winter bloomers. Each 15c, doz. \$1.50. Large two-year-old plants each 35 cents, per dozen \$3.25.



INTERNATIONAL ROSES.

## ELEGANT TREE ROSES.

These Tree Roses are grafted on hardy rose stalks about four feet high, are tree-shaped and when in full bloom are objects of beauty, making handsome plants for the lawn or rose border. In this shape we offer only the Hybrid Perpetual or hardy class. We have them in white, the different shades of red, pink and crimson. Should be protected in winter. These are all grown in Holland and usually sell at \$1.50 to \$2.50 each, but this year we have imported a very large number of extra choice specimens which will bloom profusely the first year, and we offer them carefully packed and delivered in cars here at only \$1.00 each, \$9.00 per dozen. They can only be sent by express or freight.

## SPECIAL BARGAIN ROSE COLLECTION.

Each season we have a surplus of some varieties of roses, as it is impossible to produce the exact number of any sort required to fill our orders. We wish to dispose of this surplus in a satisfactory manner and we have decided to offer a bargain collection at such prices as will move them. There is not a poor variety in our list so our customers may be sure they will receive choice plants that will produce fine flowers.

4 Tea Roses, 2 Hardy Out-door Roses, 2 Choice Climbers, and 4 Memorial Roses, 12 choice plants in all. These will not be labeled, but we select the varieties so that there will be an assortment and no two the same. These 12 choice plants, postpaid 50 cents.

## Hardy Climbing Rose Collection.

On page 104 are eight varieties of hardy climbing roses (not including Ramblers) and we make a special offer of 1 each Thousand Beauties, Birdie Blye, Russell's Cottage, Mary Washington, Keystone, Seven Sisters, Baltimore Belle and Prairie Queen for 85c postpaid; large dormant, \$1.75.



TREE ROSE.

YOU SHOULD HAVE A SPRAYER FOR YOUR ROSES. DESTROYS INSECTS AND PREVENTS MILDEW.



**MEMORIAL ROSES.**

These hardy roses creep over the ground like Ivy. Leaves glossy dark green; profuse flowering; used extensively in cemeteries, rockwork, etc.

**WHITE MEMORIAL.**—(Wichuriana)—Finest rose for cemetery planting. Dark green leaves; creep on ground like Ivy, rapidly branching and covering any surface. Flowers single pure white; hardy. Each 10c, dormant 25c.

**MANDA'S TRIUMPH.**—A beautiful white climbing rose. It is a very rapid, sturdy grower, and bears a profusion of double, pure white, beautiful imbricated flowers; elegant for cemetery. Each 10c, dormant 25c.

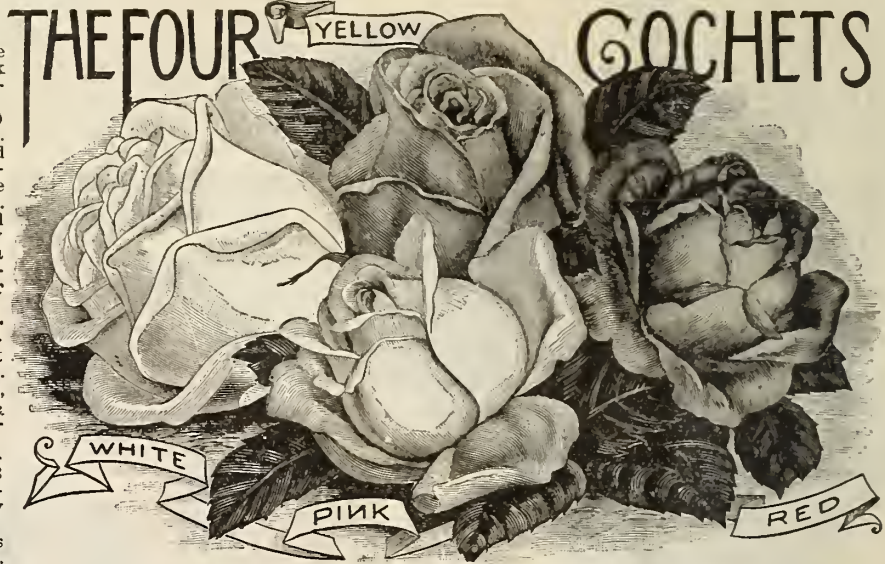
**SOUTH ORANGE PERFECTION.**—Produces multitudes of the most perfectly formed double flowers; soft blush pink at tips. Ea. 10c, dormant 25c.

**GARDENIA.**—Buds bright yellow, open flowers, cream color, 3 to 3½ inches in diameter. Delightfully fragrant. Each 10c, dormant 25c.

**JERSEY BEAUTY.**—Extremely vigorous grower; flowers large, single, 3 inches in diameter, opening pale yellow, with clusters of bright yellow stamens. Each 10c, dormant 25c.

**UNIVERSAL FAVORITE.**—Blooms are very abundant, of large size, double, of a beautiful rosy-pink, and very fragrant. Each 10c, dormant 25c.

**SET OF SIX MEMORIAL ROSES FOR ONLY 50 CENTS.**



The Cochet roses are exploited by specialists as the best hardy roses for outdoor planting. They are everblooming and distinctly beautiful, and we offer you in our collection the choicest varieties of this popular type.

**MAMAN COCHET.**—Buds large and pointed, while the open flowers are extra large, double and bloom all the time. Color is a rich, clear pink, changing to silvery rose. Each 15c. Two-year-old plants 30c.

**RED COCHET.**—Helen Gould—Buds are long and pointed; the flowers are full and perfectly double; color rich, rosy crimson, bright and glowing; a good winter bloomer. Each 15c. Two-year-old plants 30c.

**WHITE COCHET.**—An exact counterpart of the beautiful Maman Cochet except that it is of purest white. Very desirable. Ea. 15c. Two-year-old 35c.

**YELLOW COCHET.**—Deep sulphur yellow. True Cochet type; most desirable of all yellow roses for outdoor planting. Each 20c. Two-year-old plants 35c.

**ONE PLANT EACH OF THE FOUR COCHET ROSES FOR 50 CENTS. TWO-YEAR-OLD PLANTS, ONE OF EACH FOR \$1.00.**

**FAIRY ROSES.**

Small roses which are marvels of grace and beauty; bloom in clusters of 25 to 50 on a single stem.

**YELLOW SOUPERT.**—(Mosella)—A choice novelty. Flowers very double; tinted white on beautiful light yellow ground. Each 15c.

**LITTLE WHITE PET.**—A pure white; of perfect shape. Hardy. Each 10c.

**CLOTHILDE SOUPERT.**—One of the most popular and satisfactory roses grown. A wonderfully free bloomer. White, shaded pink. Each 10c, dormant 25c.

**WHITE SOUPERT.**—(Seefneekopf)—Identical with Clothilde Soupert except it is pure ivory white without shade of other color. Like all others of this class extremely free flowering and absolutely hardy. Each 15c.

**THE FOUR FAIRIES FOR 35 CENTS.**

**RUGOSA ROSES.**

**RED.**—Single-flowered rose, classed with hardy shrubs. Makes a handsome large bush; bright green leaves; clusters deep rose-colored flowers produced almost continuously, followed by large, apple-shaped bright red fruits. Large, strong plants each 40c.

**WHITE.**—Similar to above; white flowers. Each 40c.



BABY RAMBLER ROSE.

**BABY RAMBLER ROSES.**

This type of roses has created a furore among rose planters in America and we list below three varieties in collection that our customers may have the contrast of color necessarily for best effects.

**CRIMSON BABY RAMBLER.**—The very best bedding rose in existence. It originated in Orleans, France, from a cross of the Crimson Rambler and a Polyanthus variety, and it may be called a perpetual blooming dwarf Crimson Rambler. The bush is vigorous, absolutely hardy, about 27 inches in height, and on our place every plant was in bloom every day of the summer and fall. Sometimes as high as 120 flowers have been counted on a single panicle. Nice, well-grown plants each 15c, per dozen \$1.50. Large two-year-old plants each 40c.

**WHITE BABY RAMBLER.**—(Catherine Zeimet)—The true Baby Rambler type, with pure white flowers. Deliciously fragrant and perfectly hardy. Each 20c. Two-year-old 50c.

**PINK BABY RAMBLER.**—(Anny Muller)—A counterpart of the Crimson Baby Rambler except that color is a bright, shining pink. A splendid color in combination with the above. Each 20c. Two-year-old plants 50c.

**SET OF THREE BABY RAMBLERS FOR 40c OR IN TWO-YEAR-OLD PLANTS \$1.00.**



FAIRY ROSE.

**MOSS ROSES.**

Acknowledged queen of all roses; moss-covered stems and buds show off delicate loveliness of blossoms; hardy.

**CRESTED MOSS.**—Deep pink buds surrounded by mossy fringe; fine. 20c, dormant 30c.

**CRIMSON GLOBE.**—Magnificent large flower; deep, rich crimson, very mossy, fragrant and one of the best. Each 15c, dormant 35c.

**WHITE MOSS.**—Everyone should have this. Exquisite. Each 15c, dormant 35c. **ONE EACH OF THE MOSS ROSES FOR 35c OR IN DORMANT PLANTS FOR 75c.**



CRESTED MOSS ROSE.

**WE REQUEST YOU TO NOTE PARTICULARLY THE SPLENDID OFFERINGS ON THIS PAGE.**



# BEAUTIFUL HARDY ROSES.

The most satisfactory of all flowering plants, making a permanent improvement which is constantly growing in value. The lower priced roses below named are growing plants, from 2 to 2½-inch pots, while the larger sizes are strong, hardy, outdoor grown, two-year-old plants which have been kept dormant. These can be planted outside early in the 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. Should our stock of dormants be exhausted we will send strong two-year-old plants which have been kept growing in pots. Our experiments prove that the following are the most satisfactory varieties for general use and we have discarded all others. Remember—we prepay the postage or express charges on all plants at prices named.

**GLORIE DE MARGOTTIN.**—This grand new hybrid perpetual rose is believed to be one of the very finest varieties. Flowers are very large, symmetrical, very full and deliciously scented. The color is clear, dazzling red. It is certainly one of the most brilliant roses ever seen. It is a free bloomer and vigorous grower, of great beauty and wonderful color. Each 15c, dormant 40c.

**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 and fine buds. A good bloomer. Each 15c, dormant 35c.

**JUBILEE.**—A grand, hardy perpetual blooming variety. Color dark crimson shaded velvety maroon; flowers sometimes six inches in diameter. Each 15c, dormant 30c.

**GENERAL WASHINGTON.**—Color brilliant crimson, very rich and beautiful; large, perfectly double and a free bloomer. Each 15c, dormant 30c.

**JOHN HOPPER.**—Flowers large, regular and full; color brilliant rose, shaded rich crimson. Very sweet. Each 15c, dormant 35c.

**COQUETTE DES ALPS.**—Flowers large and full, finely formed and pure white. Profuse bloomer. Each 15c, dormant 30c.

**MAD. CHARLES WOOD.**—Bright, fiery scarlet, passing to rosy crimson, shaded maroon. Each 15c, dormant 35c.

**HARRISON'S YELLOW.**—One of the finest, pure deep yellow hardy roses grown. Ea. 25c. Dormant 50c.

**ENGLISH SWEET BRIER.**—Flowers are bright pink; single, but the exquisite fragrance of the flowers, the leaves and young branches in spring frequently perfume a whole neighborhood. Ea. 25c, dormant 40c.

**CHAMPION OF THE WORLD.**—The champion bloomer. It is claimed that one plant will produce more flowers during the year than ten plants of any Tea Rose. Blossoms perfectly double to center, of good shape. Color, a degree of loveliness which few roses can equal; rich, deep, rosy pink. Each 15c. Two-year-old plants 30c.

**ROGER LAMBERLIN.**—Exquisitely beautiful and rich colored; so very much different from other varieties that few persons suspect that it is a rose. Each 20c.



GEN. JACQUEMINOT



MRS. JOHN LAING.

## GIANT IRONCLAD ROSE COLLECTION

Selected for our customers who want roses that will stand the severest climate and give satisfactory results in blossoms.

**MRS. JOHN LAING.**—This rose for outdoor planting is undoubtedly the finest. Color a beautiful, soft pink, with most delicious fragrance; very double and of large size. A constant bloomer. Each 15c, dormant 30c.

**GENERAL JACQUEMINOT.**—One of the grandest roses in existence; nothing can surpass them in beauty. Color a rich dazzling scarlet, shaded with deep velvety crimson, a superb glowing color. Ea. 15c, dormant 30c.

**MAGNA CHARTA.**—A splendid rose with extra large, rosy red flowers, beautifully flushed violet crimson. Each 15c, dormant 30c.

**PAUL NEYRON.**—Double flowers of shining carmine pink. Largest rose known, and one of most prolific bloomers. An exceptional grower, making shoots 4 to 5 feet high in a season. Heartily recommended as a hardy pink rose. Each 15c, dormant 30c.

**PRINCE CAMILLE DEROHAN.**—A fine rose of rich, velvety crimson, passing to maroon, shaded black. Ea. 15c, dormant 35c.

The 6 Giant Ironclads for 70 cents, or in larger dormant plants for \$1.25, postpaid.



AMERICAN BEAUTY

## FAVORITE ROSE COLLECTION

In this collection we have a fine display of color combined with hardiness, and it is composed of proven sorts that will give satisfaction.

**BARON DE BONSTETTEN.**—The Black Rose.—Rich, dark red, passing to a deep velvety maroon, nearly black. Large highly scented. Each 15c, dormant 35c.

**DINSMORE.**—We cannot praise this enough. Always in bloom, with large, imbricated, very double flowers of a dazzling crimson scarlet color; rich, spicy fragrance. Of compact, bushy growth, fine for beds. Very hardy. Each 15c, dormant 30c.

**VICK'S CAPRICE.**—Is perfectly hardy. Flowers are large, soft, satiny pink, distinctly striped and dashed with white and carmine. Each 15c, dormant 30c.

**CAPTAIN CHRISTY.**—Very double, color fresh, delicate pink. Each 15c, dormant 30c.

**MADAME PLANTIER.**—Flowers borne in great profusion, pure white, hardy as an oak, and certain to grow. Blooms in June. Ea. 15c, dormant 25c.

**ULRICH BRUNNER.**—Rich, glowing crimson scarlet; flowers of exquisite shape. Each 15c, dormant 30c.

The 6 Favorite Roses 60c, large dormant \$1.25.



ROGER LAMBERLIN

**MARGARET DICKSON.**—Finest of Hybrid Perpetuals. Flowers of perfect form, large, pure pearly white; reflexed. Ea. 15c, dormant 35c.

ANY VARIETY ON THIS PAGE CAN BE GROWN IN OPEN GROUND IN A PERMANENT BED.



# HARDY CLIMBING ROSES.

For porches and trellises nothing surpasses the climbing roses, especially the ever-blooming varieties. We recommend the two-year-old dormant plant for immediate effect. Following recommended as permanent plants.



BIRDIE BLYE ROSE.

**BIRDIE BLYE ROSE.**—This grand new ever-blooming variety is undoubtedly one of the choicest new sorts which has been introduced for many years past. It is very hardy, living over the winter with slight protection. It is a hardy climber with glossy foliage, and blooms constantly from early June till freezing weather, producing at the end of every shoot clusters of bright, satiny-rose blossoms, quite double, intensely fragrant, and over 3 inches in diameter. The buds are long and pointed and a bright carmine color. It was named after "Birdie Blye," or Miss Birdice Blye, as her name really is, the world renowned musician who has become so famous in Europe as well as in America. She formerly lived in Des Moines, not far from our greenhouses. Each 20c. Two-year-old 50c.

**BALTIMORE BELLE.**—Double blush white; large clusters covering plant with bloom. Each 10c, dormant 25c.

**THOUSAND BEAUTIES.**—(Tausendschon)—A hybrid from crossing Crimson Rambler with Tea and Polyantha varieties. Blooms profusely from the beginning of June until the last of July. It is the magnificent contrast of colors in the flowers which has given it its name and as the blossoms are borne in large clusters you can get a bouquet of varied colors from a single cluster. The colors of the flowers range from white to rich carmine with various tints between, so that seldom will two blossoms be of the same shade. No so thorny as most varieties and is a strong and vigorous grower. Has all the desirable qualities of the hardiest climbing roses with the splendor of color not found in any other. Each 20c, dormant 40c.

**KEYSTONE.**—In this we have at last secured a hardy ever blooming rose of bright lemon color and delicious fragrance. Is perfectly hardy, of free habit of growth; blooms profusely. Vigorous constitution. Ea. 25c, dor't 50c.

**RUSSELL'S COTTAGE.**—Dark crimson, very double and full; Extra strong, rampant grower of iron-clad hardness. This is the only satisfactory dark red climbing variety. Ea. 15c, dormant 30c.

**SEVEN SISTERS.**—One of the old standard climbing roses. Crimson, changing all shades to white. Blooms in clusters. Each 15c, dormant 25c.

**MARY WASHINGTON.**—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 it after his mother, Mary Washington. The original bush can yet be seen at Mt. Vernon. Each 15c, dormant 30c.

**PRAIRIE QUEEN.**—An old standard that will always be popular. Bright rosy red; a large flower. Each 10c, dormant 25c.

## RAMBLERS.

**PHILADELPHIA RAMBLER.**—An improvement on the Crimson Rambler. Begins blooming two weeks earlier and color is brighter, more intense crimson, almost entirely free from mildew. Each 15c, dormant 30c.



THOUSAND BEAUTIES.



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CRIMSON RAMBLER.

**CRIMSON RAMBLER.**—The most popular rose in existence as it is always satisfactory. Many instances are reported of 3,000 to as high as 19,721 flowers by actual count on one bush. It is exceedingly hardy. Flowers 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 25c. We have also a few extra strong four-year-old Crimson Ramblers at \$1.00.

**YELLOW RAMBLER.**—Grand new variety like above except that it is golden yellow. One of the most satisfactory sorts. Each 10c, dormant 25c.

**WHITE RAMBLER.**—Pure white, very fragrant. A beautiful, popular and satisfactory sort. Each 15c, dormant 25c.

**PINK RAMBLER.**—Of shining rose color. Each 10c, dormant 30c.

**DOROTHY PERKINS.**—A grand new sort remarkably like Crimson Rambler but the flowers are more double and of a beautiful shell pink color. Hardy. Each 10c, dormant 30c.

**LADY GAY.**—A seedling from Crimson Rambler, which it closely resembles in habit of growth. Strong and vigorous with deep green, glossy leaves in charming contrast with bright pink buds and lighter blossoms. Ea. 10c, dormant 30c.

**SET OF SEVEN RAMBLER ROSES FOR ONLY 60 CENTS, POSTPAID. DORMANT, \$1.50.**



MARY WASHINGTON.

NOTE THAT WE OFFER A BARGAIN COLLECTION OF HARDY CLIMBING ROSES ON PAGE 101.



# TENDER VINES and BASKET PLANTS

Listed separately for the convenience of our patrons who desire something of this kind for special uses.

## IVIES.

**ENGLISH.**—An old favorite vine, showy the year round if properly grown. Hardy in the south but will not stand our Iowa winters. Each 10c, large 25c.

**VARIEGATED ENGLISH.**—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 sides of boxes or baskets. Each 15c.

**KENILWORTH.**—An old familiar trailing ivy. Perhaps the best for shaded places or rooms where light is not strong. Each 10c, dozen 75c.

**GERMAN.**—Well known ivy which is very popular as a plant for hanging baskets and vases. Can be grown with very little trouble. Each 10c, dozen 75c.

## HOYA.

**CARNOSA.**—(Wax Plant)—A well known house climber, with thick, fleshy leaves and curious waxy flowers, bluish white in color. A favorite for its handsome appearance. It but we have a good supply this season. Is quite scarce and not always obtainable. Each 25c.

## GLECOMA.

(Variegated Ground Ivy)—The foliage is a bright green, marked with pure white and has a refreshing fragrance similar to mint. Graceful and beautiful for hanging baskets. A general favorite with all of our customers as there is a continued and steady demand for it. Entirely hardy when planted out, and makes an ornamental, dense mat on the ground. Each 10c, dozen 75c.

## MANETTA.

**BICOLOR.**—One of the handsomest little vines in existence. It is easily and quickly grown and blooms continuously. It is well adapted for hanging basket, pot culture, vases or bedding. The flower is of the size and shape shown in our illustration, and of brilliant scarlet, tipped with clear golden yellow, making it most wonderfully attractive. Manetta Bicolor blooms constantly and profusely during all the summer months out of doors and all of the winter months when taken into the house. We heartily recommend this vine to all our customers and feel assured of no complaint when tried. Each 10c, large size 25c.

## CLERODENDRON.

**BALFOURI.**—A unique and beautiful climbing plant. It presents a splendid combination of colors, having bright scarlet flowers with creamy white calyx; a profuse bloomer, young plants a foot high bearing several clusters. A strong and rapid grower for house or garden planting. Each 15c.

## COBEA SCANDENS.

A rapidly growing climber bearing large purple flower of cup and saucer shapes. Extra fine for arbors and will cling closely to a rough surface. Each 15c, doz. \$1.25.

## MAURANDIA.

Graceful climbers for window or conservatories or open ground in summer; admirable to hang from vases, cover stumps and low trellises, flowering freely. Each 10c.



CLERODENDRON.



GLECOMA.



MOONFLOWER.

## MOON FLOWER.

**WHITE.**—A very handsome climber, growing to a height of twenty-five to forty feet, and covered nightly and on dull days with its white, moon-like flowers five to six inches in diameter. Each 15c, dozen \$1.25.

**BLUE.**—(Ipomea Leari)—The

flowers are clear satiny blue, with well defined crimson bars, very distinct. Each 15c, dozen \$1.25.

# SHIELD WEED KILLER

## FOR THE LAWN.

**WILL POSITIVELY DESTROY DANDELION, CHICKWEED, SORREL, PLANTAIN, DOCK AND OTHER NOXIOUS WEEDS.**

It takes time and labor to have a good lawn, but nothing is so essential to a beautiful home as a fine lawn. No matter how grand the mansion, an unkept lawn destroys its beauty, and no matter how humble the cottage a fine lawn makes it beautiful.

The use of Shield Weed Killer will destroy all the weeds and **DOES NOT HURT THE BLUE GRASS IN ANY WAY.** It saves labor and gives the lawn grasses a chance to make themselves. It is easily applied as it is sold in the form of a soluble powder. You simply dissolve in water and apply with a spray pump. It only requires 5 lbs. to treat an ordinary city lot with one application. Also has fertilizing qualities and helps the grass to grow vigorously.

The number of treatments necessary will depend largely upon the condition of the lawn and the growth of the weeds, but the Shield Weed Killer can be kept a long time without deteriorating and we suggest that you order sufficient to do the work thoroughly. The price is very reasonable and it will be found a saving to purchase in quantity.

Full and complete directions will be sent with every shipment, or they will be sent free on application to prospective customers.

Price per 1½ lb. package 25c, or postpaid 50c. By express or freight not prepaid, 5 lbs. for 60c, 10 lbs. for \$1.00, 25 lbs. for \$2.00; per full bag of 100 lbs. \$6.75.



MANETTIA VINE

TRAILING VINES ADD GRACE AND BEAUTY TO WINDOW AND PORCH BOXES IN SUMMER.



**DOUBLE NASTURTIUM.**

Did you ever see one? Few people have, but we have a fine lot of them this year and are offering them at a low price. It is a most charming novelty, which is really difficult to describe. The flowers are large and fully double, which gives them a very different appearance from any others. Some flowers are of a bright yellow color and some a rich, dark orange crimson, with shading of a deep mahogany red. It is not a "freak" with a few small, insignificant flowers, but a really good double flower 2 to 2½ inches across, which will instantly attract the attention of everyone who sees them. Plant is of climbing habit, and fine for trellises, window boxes, vases, etc. It never produces seed. Either red or yellow. Each 15c, dozen \$1.35.



DOUBLE NASTURTIUM.



STEPHANOTIS.

**STEPHANOTIS.**

**FLORIBUNDA.**—One of the most charming hot-house climbers. It grows rapidly, with long, deep green foliage, and produces clusters of pure white, deliciously fragrant flowers. It does finely for house culture, blooming all summer. Is not hardy, but should be kept partially dormant in the house during winter. A really beautiful decorative plant when properly trained on trellis and a plant rarely seen. Each 25c.

**VINCA MAJOR.**

**ELEGANTISSIMA.**—One of the handsomest vines in existence for growing in window boxes, hanging baskets, trailing from pots, rockeries, etc. The long, trailing stems of glossy green leaves are broadly margined and variegated with white and they are always bright and pretty. Plants are of easiest culture, will stand neglect and mistreatment and grow very rapidly. Does well either in a sunny place or in the shade. Blue flowers. Each 10c, dozen \$1.00. Large size 25c.

**HARRISON.**—Similar to the above but with darker variegation. Each 10c, dozen \$1.00.

**WANDERING JEW.**

An old, well known trailing plant, nice for growing in hanging baskets, vases, pots or window boxes. Several varieties with variegated foliage. Each 10c, 4 for 25c.

**HANGING BASKET COLLECTION.**

This illustration but poorly depicts the great beauty of a hanging basket filled with appropriate plants, well grown and healthy. We have in this collection chosen a half dozen plants which will give splendid results with but little care and such as may be grown in any home window garden. At the low price it is surely an opportunity.

**Hoston or Sword Fern.**—The most popular decorative plant in entire list. Each 15c. **Rex Begonia.**—Most beautiful of foliage plants and a source of satisfaction. Each 25c. **Trailing Abutilon.**—The trailing variety of well known Flowering Maple. Each 15c. **Variegated Vinca.**—Most popular vining basket plant in list. A favorite with all. Each 10c. **Trailing Fuchsia.**—Adding attractiveness with its beautiful flowers and foliage. Each 15c. **Wandering Jew.**—The old-fashioned favorite basket plant. Each 10c. One each of above by mail, postpaid, 60c. Or, if you will pay express charges, will send the six plants and one 9-inch wire hanging basket and moss for lining same, all for 75c.



VINCA ELEGANTISSIMA.

**VARIEGATED SINGLE NASTURTIUM.**

We have a beautiful new single nasturtium which we are propagating as plants because of the striking beauty of its foliage. The leaves are bright green, variegated and margined pure white, with flowers of deep crimson borne as profusely as any of the other varieties. A plant in bloom offers a wonderful contrast of color and is a thing of beauty. It is a climbing variety and should be given plenty of sunshine. Each 10c, per dozen \$1.00.

**PASSION FLOWER.**

One of the most desirable of all climbing plants. Will climb up a trellis 10 to 12 feet high in a season and cover it all over with pretty leafage and large clusters of handsome flowers. The flowers are 3 to 4 inches across and the colors a remarkable combination of red, white and blue flowers. Each 15c.

**SAXAFRAGA.**

**STRAWBERRY GERANIUM.**—The well known, much used old basket plant with long, strawberry-like runners. Each 15c.

**SMILAX.**

Well-known handsome climber; most popular of all vines with florists. Ea. 10c.



YOU WILL FIND SIZES AND PRICES OF HANGING BASKETS WITH THE FLOWER POT LIST.



# HARDY VINES.

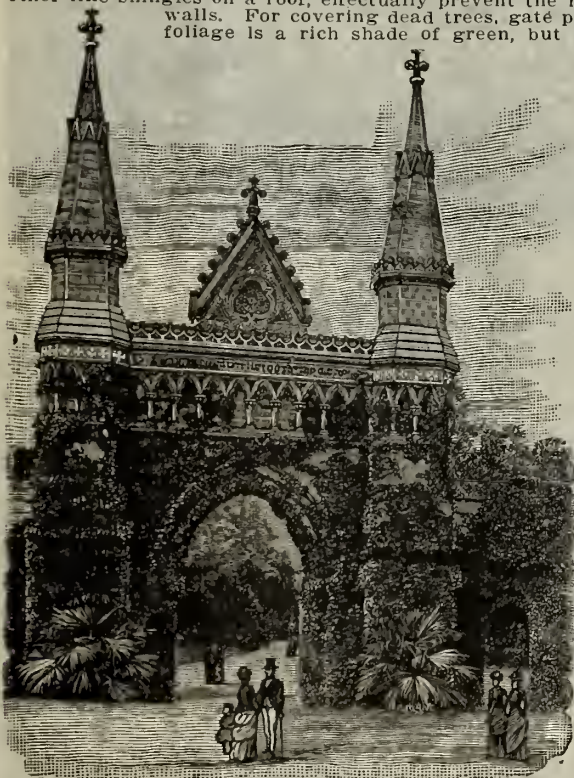
In making a home, plan for future beauty, comfort and happiness by planting a variety of hardy clematis, ornamental vines, shrubs and roses which will constantly grow in beauty and size. Such permanent improvements add greatly to the value of any property, and the value grows from year to year, so that instead of an expense they should be considered a paying investment. We prepay postage or express charges at these prices.

## AKEBIA QUINATA.

A perfectly hardy, fast-growing Japan vine, producing flowers in large clusters, of chocolate purple color, possessing a most delicious perfume; unsurpassed for covering trellises and verandas; the foliage is never attacked by insects. Each 15c, large 30c.

## AMPELOPSIS.

**VEITCHII.**—(Boston Ivy)—A very beautiful and hardy climbing plant. This is one of the finest climbers we have for covering walls, as it clings firmly to the smoothest surface, covering it smoothly with overlapping foliage, giving it the appearance of being shingled with green leaves. Should be slightly protected the first winter, but after that it will be found entirely hardy in the most exposed places, attaining a height of 20 to 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. It is a great protection to houses, as the leaves lapping over each other like shingles on a roof, effectually prevent the rain from penetrating the walls. For covering dead trees, gate posts, boundary walls, etc., it has no equal. In the summer the foliage is a rich shade of green, but in the fall it assumes the most gorgeous tints of crimson, scarlet and orange, so dazzling as to be seen at a great distance. Each 15c, dozen \$1.25. Large plants 25c, dozen \$2.50.



AMPELOPSIS VEITCHII.

## CHINESE KUDZU VINE.

**JACK-AND-THE-BEANSTALK VINE.**—The phenomenal growth of this new Chinese hardy vine can hardly be imagined—sometimes 12 inches a day. The large leaves of bright green afford a dense shade. Invaluable for rapidly covering arbors, fences, dead or old trees, rockeries, etc. Perfectly hardy; 50 to 75 feet when well established. Fine seedling plants, each 20c, dozen \$2.00. Large size 75c.

## LYCIUM.

**CHINESE MATRIMONY VINE.**—A vigorous growing shrubby climber which is perfectly hardy and desirable for training on trellis, wall or fence. Every new shoot becomes filled with small purple flowers, which are followed by brilliant scarlet berries which remain on the vine until late in the winter. Although the flowers are not showy, the long stems drape gracefully and make an admirable covering for the porch. Each 10c, large 25c.

## CAMELIA VINE.

In the Camelia Vine (*Calystegia Pubescens*) we have a flower of true Camelia shape and size, perfectly double and of most beautiful rose color. Of easiest culture growing well in any soil or location. Vine is of rapid growth, quickly covering trellis or porch and growing to a height of 15 or 20 feet. For best results set 12 to 18 inches apart. Leaves are lance shape, dark green, and lap like shingles. Roots live in ground over winter. Blooms continuously from May to October and pleases everyone. Each 15c, dozen \$1.25.



APIAS TUBEROSA.

## APIOS.

**TUBEROSA.**—A valuable, hardy, tuberous rooted climber, resembling in miniature the Wistaria vine, and having clusters of deep purple flowers which have a strong violet fragrance. They grow to a great height, and bloom profusely. Plant several bulbs close together to produce a mass of vines and flowers. Each 5c, dozen 40c.

## BIGNONIA.

**RADICANS.**—(Trumpet Creeper)—Another old-fashioned hardy climber. It has clusters of large, trumpet-shaped crimson orange flowers. It grows in almost any soil and under trying conditions; hardy. Each 10c, large plants 25c.

## BITTER SWEET.

A native climbing or twining plant; large leaves, yellow flowers, orange capsuled scarlet fruit. Each 10c, large 25c.

## SILK VINE.

**PERIPLUCA GRECEA.**—Beautiful rapid-growing climber, 30 to 40 ft. high; hardy. Leaves glitter like silk, hence name. Flowers purplish brown and borne in clusters. Each 20c, large 40c.

## HOP VINE.

A vigorous, hardy, ornamental vine, for covering old trees, out-buildings, fences, etc. Produces the hops of commerce. Each 15c, per dozen \$1.00.

## ARISTOLOCHIA.

**DUTCHMAN'S PIPE VINE.**—The well-known, vigorous and rapid-growing climber used so extensively for archways or verandas. It takes its name from the singular brownish colored flowers, resembling in shape a pipe. The leaves are heart-shaped and retain their color from early spring to late fall. Each 40 cents.



ARISTOLOCHIA.



CAMELIA VINE.

**YOU CAN GAIN ONE YEAR IN RESULTS BY PURCHASING THE LARGE PLANTS OR VINES.**



## 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, clusters of delicate white flowers and delicious cinnamon odor it is a most desirable climber. We have always been short of these, but this year grew about 25,000 roots and hope to be able to supply the demand. We furnish the large tubers, postpaid, for 10c, 3 for 25c, dozen for 65c.

## HARDY CLEMATIS.

The most popular climbing plant of the day, and is constantly gaining in popularity—and why should it not?—as it is hardy, standing our most severe winters with but slight protection, grows rapidly and blooms freely during the entire season.

**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. It is especially adapted to open lawns or house fronts in the city or country; blooms the entire season, from July to October, bearing beautiful and lasting flowers. Strong plants, each 50c.

**HENRYII.**—This may be briefly described as a white flowered Jackmanii. It is the finest of all white sorts, the same size as Jackmanii. Each 50c.

**MAD. EDOUARD ANDRE.**—An entirely distinct and beautiful new variety, being the nearest approach to a bright red ever sent out. Has the same vigorous growth, hardness and freedom of bloom as the above, while the color is a pleasing carmine red. Each 50c.

**PANICULATA.**—This small flowered variety of Clematis is one of our most beautiful, hardy, fall-blooming vines. The flowers which are pure snow-white, are produced in immense clusters, fairly covering the plant with a mass of fleecy white; deliciously fragrant. Of extreme rapidity of growth. Each 15c. Large, extra strong plants 35c.

**COCCINEA.**—A charming variety of Clematis. Flowers are bell-shaped, and of a brilliant coral red color. A rapid grower and a free bloomer, flowering from June until frost. An herbaceous perennial, growing about 12 ft. high. Ea. 25c.

**VIRGIN'S BOWER.**—(Clematis Flammula)—An old-fashioned popular climber, growing to a height of 20 feet, and covered with thousands of pure white fragrant flowers. The vine is perfectly hardy, rapid growing, graceful, and will succeed everywhere. Each 10c, large 25c.

**COLLECTION.**—A nice plant of each of above six kinds of Clematis for only \$1.40, postpaid. A great bargain.



CLEMATIS JACKMANII.

CLEMATIS HENRYII.

CLEMATIS PANICULATA.

## HONEYSUCKLE.

**RED CORAL.**—A shrubby climber and one of the most satisfactory of all plants. Has been a favorite for many years. The odd shaped foliage is showy and attractive and it produces its bright red, fragrant, trumpet-shaped flowers almost continuously. Nice for a hedge or for training over a residence. Each 15c, dozen \$1.50. Large plants 25c.

**HALLIANA.**—(Hall's Japan)—For real home vines to climb over your windows and doorways there is nothing prettier than the Honeysuckles, and the Halliana is considered by many the sweetest and most beautiful of all. It is a strong, rapid grower, perfectly hardy and almost an evergreen even in this severe climate. Blooms constantly and profusely from June to November. Flowers pure white changing to yellow, and of peculiarly delicious fragrance. Fine for trellises or pillars. Foliage bright, glossy green; makes dense shade. Ea. 10c, doz. \$1.00. Large two-year-old plants 20c, doz. \$2.00.

**GOLDEN LEAVED.**—Slender, moderate grower; leaves are beautifully veined and netted with bright yellow; prevailing color of foliage is bright yellow; flowers yellow and sweet-scented; fine for pillars and trellises. Each 15c, large 35c.

**KURTZWELII.**—A new purple Honeysuckle which originated with Mr. Kurtzwell. Is a sport of the popular Hall's Japan, but radically different from all other varieties. Has dark purple leaves thickly set on the strong vines. Is a vigorous, tall-growing sort attaining a great height the first season. The large clusters of flowers are produced in profusion and are a charming combination of clear pink and dark red. It is a most desirable vine for porches, arbors, trellises, etc., and a striking novelty which is sure to attract much attention. Each 20c, extra large plants 50c.

## WOODBINE.

**VIRGINIA CREEPER.**—A strong, rapid grower; foliage large, dark green; in autumn bronze and crimson. This is an old favorite and quite common in most localities. Valuable for covering back porches, out-buildings, arbors, etc. Each 10c, dozen \$1.00. Large size 30c, dozen \$2.50.

**ENGLERMANII.**—A smaller variety than the above, but of more clinging nature. Foliage light green, but changing to beautiful shades in fall. Each 25c.

## VITIS.

**VARIEGATED GRAPE.**—Resembling Ampelopsis with foliage green and variegated white and pink. Bears bright blue berries. Best for trailing over rocks or low fences. Each 15c, large 35c.

## WISTARIA.

**BLUE CHINESE.**—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 it is magnificent. Each 15c, large 35c.

**WHITE.**—Like the above except the flowers are white. Large plants each 35c.

## HARDY VINE COLLECTION.

One Ampelopsis, for the buildings; one Clematis Paniculata, for the front porch; one Honeysuckle, for the trellis in the front yard or on the lawn; one Woodbine, for the fence or screen. These are specially selected for the purposes mentioned but can be used to advantage in many different ways. We will send you one of each of the beautiful vines postpaid for 40c, or will send you extra large, strong plants suitable for immediate effects, by express, not prepaid, for 75c.



WISTARIA.

LARGE FLOWERED CLEMATIS AND CLIMBING ROSES ARE A FINE COMBINATION FOR PORCH ADORNMENT.



# HARDY SHRUBS.

There is nothing which so quickly, and for so little cost, adds so much to the beauty, cheerfulness and homelike appearance of a place as an assortment of hardy shrubs. They are permanent improvements which increase in size, value and beauty year after year. Our price is for strong, healthy plants sent by mail or express prepaid. Those marked large or dormant are strong two-year-old plants.

## ALTHEA.

**DOUBLE WHITE.**—(Rose of Sharon)—One of the most beautiful shrubs; perfectly hardy and always satisfactory. The bushes are of neat shape, have nice foliage and would be valuable as an ornamental hedge plant even if it produced no flowers. The plant, however, is loaded with large, beautiful flowers during August, September and October. Double white flowers produced in great profusion. Large size, each 25c.

**DOUBLE PURPLE.**—Like above except that the flowers are of a beautiful purple color. Each 25c.

**DOUBLE BICOLOR.**—White, blotched with pink. Very beautiful. Each 35c.

**VARIEGATED LEAVED.**—The beautiful foliage of this variety attracts attention everywhere. It is a deep green, bordered with a band of creamy white. Flowers double red. Each 35c.

## ARALIA SPINOSA.

A curious spiny-trunked, shrub-like tree, also sometimes called Hercules' Club or Devil's Walking Stick. Valuable for producing tropical effects. Very showy. Each 25c. Extra large size by express 75c.

## CALYCANTHUS.

A beautiful sweet-scented shrub; flowers purple, quite double, exquisitely fragrant. Large size, each 25c.

## CORCUS.

**JAPONICA.**—(Kerria)—A beautiful and graceful shrub from 2 to 5 feet high and worthy a place on the finest lawn. The variegated foliage and immense quantity of bloom make it always a prominent feature in any landscape effect. Almost constantly in bloom from June to October. Produces hundreds of large, double, yellow flowers. Each 15c, large 25c.

## AZALEA.

**MOLLIS.**—Showy, low-growing, hardy plants, used extensively in parks and public grounds. Their yellow, orange and carmine flowers are not approached by any other hardy shrub. Each 35c, by express, not prepaid.

## CORNUS.

**FLORIDA.**—(White Flowering Dogwood)—An ornamental and spreading, irregular shaped tree producing large, white flowers in the spring and rich crimson foliage in autumn. Large 35 cents.

**STOLONIFERA.**—(Red Twigg'd Dogwood)—A strong growing shrub with clusters of fine white flowers, stem and branches turning blood-red in winter. Is very conspicuous and ornamental. Ea. 15c, large 30c.



DOUBLE BICOLOR ALTHEA.

## CYDONIA.

**JAPONICA.**—(Japan Quince)—Has bright scarlet crimson flowers. It blooms early in the spring and is fine for specimen plants on the lawn or for hedges. Ea. 15c, large 35c.

## EXOCHORDIA.

**GRANDIFLORA.**—(Pearl Bush)—A neat, compact bush 10 to 12 feet high; can be trimmed any desired shape; pure white flowers borne in slender racemes of 8 to 12 florets each. Large size 30c.

## FLOWERING ALMOND.

**DOUBLE PINK.**—One of the earliest flowering and finest of shrubs. Loaded with double pink flowers which attract attention. Large 35c.

**DOUBLE WHITE.**—Like above, but with snowy white flowers. Large 40c.

## ELEAGNUS.

**LONGIPES.**—(Japan Oleaster)—Very desirable shrub with silvered foliage and bright orange berries of large size and agreeable flavor. Large 40 cents.

## FORSYTHIA.

**SUSPENS.**—(Golden Bell)—A fine, hardy shrub of weeping or pendulous habit; deep green leaves and bright yellow flowers; blooms early. Ea. 15c, large 25c.

**FORTUNIS.**—A more upright-growing variety. Each 15c, large 25c.

**VIRIDISSIMA.**—Blooms among first shrubs. Flowers yellow, drooping and in great numbers. A variety originally from China. Each 15c, large 25c.

## HOP TREE,

(Ptelia Trifollata)—A glossy leaved, hardy shrub bearing clusters of peculiar shaped seed pods. Large 30c, doz. \$2.50. AZALEA MOLLIS.

## 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. Each 15c, large 30c.

**CRENATA.**—Flowers double white, tinged with pink. Small 15c, large 25c.

**GRACILIS.**—A pretty, round, bush-shaped Deutzia blooming freely. Each 15c, large size 25c each.

**CANDIDISSIMA.**—Grows about 3 feet high; bears pure white flowers. Each 15c.

## DWARF HONEYSUCKLE.

**RED TARTARIAN.**—The best variety of Lonicera for general planting. Blooms in June, with beautiful pink and white flowers, followed by red berries. Ornamental through the season. Each 15c, large 30c.

## FLOWERING CURRANT.

The old-fashioned large growing, Missouri flowering currant, growing 6 to 8 feet high and bearing yellow flowers. Foliage fine cut and attractive. Each 20c.



ARALIA SPINOSA.



PRIDE OF ROCHESTER DEUTZIA.

ORDER SHRUBS EARLY AND THEY WILL BE SHIPPED AS SOON AS THE GROUND IS READY.



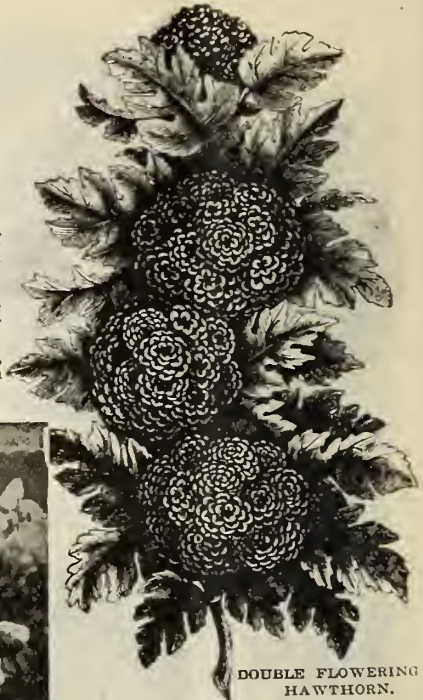
**HAWTHORN.**—(Cræguš)

**DOUBLE RED FLOWERED.**—One of the finest of the large flowering shrubs. Listed generally as an ornamental tree. In spring it is covered with double, bright red blossoms, deliciously fragrant, and it is very beautiful and will attract attention in any planting. Each 50c.

**HYDRANGEA.**

**NEW SNOWBALL.**—(Arborescens Grandiflora Alba)—A magnificent new variety of the hardy hydrangea. Flowers are borne much more profusely than on the Paniculata and though the blooms are not so large they are pure white and more like the snowball. Comes in bloom in July and August at a time when flowers of this type are scarce and is especially valuable for this reason. We believe this will become very popular as it is sure to give satisfaction. Each 25c, large 50c.

**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, a hedge, or cemetery planting. It readily attains a height of 5 to 7 feet; hardy in all localities, needs no protection in winter; blooms the first and every season in July for two or three months; the flowers are massive, cone-shaped, sometimes ten inches in length, and changing from the original pure white to pink, and finally to a beautiful rich coppery red. Each 10c, dozen \$1.00. Per 100, by express, \$7.00. Large dormant plants each 30c, dozen \$2.50. Large tree form plants 75c. **Special**—Two-year-old plants grown specially for hedges, by express, per 100, \$14.00, 25 for \$3.75.



DOUBLE FLOWERING HAWTHORN.



HEDGE OF HYDRANGEA PANICULATA GRANDIFLORA.



NEW SNOWBALL HYDRANGEA

**LILACS.**

**PERSIAN.**—A well known, strong growing shrub, bearing large, fragrant clusters of purple flowers early in spring. Ea. 10c, large 25c.

**SINGLE WHITE.**—Like above, but has white flowers, making it more desired by some. Each 15c, large 35c.

**FIERY PLUME.**—A novelty in lilacs; bright red color. Very showy and desirable. Each 50c.

**NEW DOUBLE WHITE.**—A novelty of great merit and the finest flowering shrub which has been introduced for many years. The truss is of large size, and produced in profusion. The individual flowers resemble miniature tuberoses. Each 25c, large 50c.

**COMMON.**—The old standard variety with bluish purple flowers. Each 10c, large 25c.

**POMEGRANATE.**

**DWARF.**—A beautiful shrub bearing large double scarlet flowers. Must be kept in cellar over winter in the north. Each 25c, large 40c.

**HEDGE PLANTS.**

Ornamental hedges are very popular, especially among dwellers in towns and cities, where they are used in place of fences for boundaries and screens. Most desirable as a feature in landscaping as they add an effect not secured in any other way.

**HYDRANGEA.**—*Paniculata Grandiflora.*—Description and price given above.

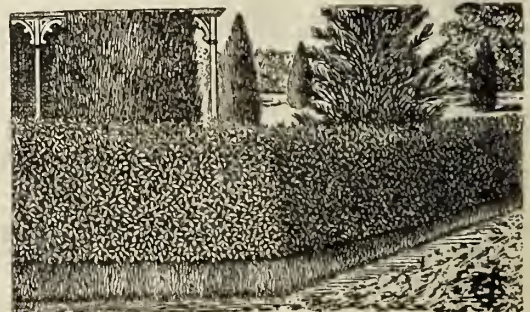
**SPIREA.**—*Van Houtte.*—Described on next page. By express per 100 \$8.00, large \$14.00.

**BARBERRY.**—*Purple Leaved.*—A handsome hedge plant, foliage always clean, a deep, rich plum color; does not fade out in summer as do most purple leaved plants. Ea. 15c, doz. \$1.50, postpaid. Extra large, strong specimen plants 35c, \$3.00 per doz. By express, 100 \$12.

**Thunbergii.**—A very pretty variety from Japan, of dwarf, graceful habit; foliage small, changing to beautiful bright red early in fall; very showy. One of the prettiest hedge plants grown. Each 15c, dozen \$1.50. Large 25c, doz. \$2.50. By express, 100 for \$14.00.

**PRIVET.**—*California.*—A most vigorous grower, of compact and regular form, and foliage is a beautiful shade of glossy, wax-like green which it retains well into the winter, in sheltered situations, being almost an evergreen. The tops frequently winter kill in this latitude but is hardy in New York State and throughout the east and south. For hedges plant 8 to 10 in. apart. Strong one-year-old plants per doz. 75c; per 100 \$6.00, postpaid. By express per 100 \$5.00; 500 \$17.50. Extra large per doz. \$1.00; 100 for \$7.50.

**Amurensis.**—A very hardy variety, fully as handsome as the one above, with glossy leaves and almost an evergreen. A very desirable hedge plant for Iowa and the north. Each 20c, doz. \$1.50, per 100 \$12.50, prepaid. By express per 100, \$10.00.



HEDGE OF CALIFORNIA PRIVET.

WE WILL BE PLEASED TO QUOTE SPECIAL PRICES ON HARDY SHRUBS IN QUANTITY UPON REQUEST.



**PURPLE FRINGE.**

A large shrub with long, feathery flower stalks, giving the tree the appearance of being covered with a cloud of smoke. Each 15c, large 30c.

**ROBINIA.**

**HISPIDA.**—Variously known as "Sweet Pea Shrub," "Flowering Locust," "Moss Locust," and "Rose Acacia." The shrub of shrubs for bouquet makers. When it is in bloom it is really but a big bouquet itself, full of dainty sprays of large, lovely, rose-pink blossoms of size and shape of sweet peas. Ea. 35c.

**SWEET PEPPER BUSH.**

(Clethro)—One of the handsomest of our native shrubs; pure white; delicious flowers in July and August. Each 15c, large 25c

**SYMPHORICARPUS.**

**RACEMOSUS.**—(Snowberry)—Bear small pink flowers, followed by large, white berries, which hang on most of the winter. Very showy and desirable. Small plants 10c, large 25c.

**VULGARIS.**—(Coral Berry)—Like above, small red fruit. Ea. 10c, large 25c.

**TAMARIX.**

Foliage light, feathery, graceful; sage blue in color and very charming. Blooms through summer and autumn. Each 10c, extra large 35c.

**VIBURNUM.**

**OPULUS.**—(High Bush Cranberry).—Handsome and dense foliage; flowers white in drooping flat cymes, followed by brilliant scarlet fruit in showy pendulous bunches remaining on plants all winter. Each 30c.

**SAMBUCUS.**

**GOLDEN LEAF ELDER.**—Another year only adds to our high opinion of this handsome shrub. It is the most showy of all shrubs for the lawn. Grows to the height of about 6 feet and has wide-spreading branches. Its leaves are of dark, dazzling yellow color. Each 15c, doz. \$1.50. Large 30c.

**VARIEGATED.**—Variegated green and white variety. Each 15c, large 35c.

**CUT LEAVED.**—Elegantly divided leaves. Each 20c, large 35c.

**SUMACH,**

**CUT LEAVED.**—Striking appearance. Leaves deeply cut, resembling ferns. A dark green turning to rich red in autumn. Each 25c, large 50c.



GRANDIFLORA SYRINGA.

**SYRINGA.**

(Mock Orange)—Immense masses of pure white, intensely fragrant flowers in June. Each 10c, large 25c.

**GRANDIFLORA.**—One of the strongest growing varieties with large flowers. Each 15c, large 30c.

**LE MOINEL.**—A charmingly fragrant variety. Flowers yellowish white. Each 15c, large 30c.

**SNOWBALL.**

**COMMON.**—A well-known and popular shrub covered with dense white flowers, which gives name. Each 15c, large 25c.

**JAPAN.**—A valuable improvement on the common Snowball; the flowers are smaller more numerous, frequently as many as 20 on a stem 18 in. long. Each, large, 35c.

**SPIREA,**

**BILLARDII.**—A strong growing variety, pink flowers. Each 15c, large 25c.

**PRUNIFOLIA.**—The most popular variety of Spirea. Of symmetrical growth and bears long, graceful sprays of pure white flowers in great profusion. Blooms in May. Perfectly hardy and always satisfactory. Each 10c, large 25c.

**ANTHONY WATERER.**—Makes a dwarf bush 15 to 18 inches high, covered from spring till late in the fall with large heads of crimson flowers. Satisfactory for borders and hedges. Ea. 10c, doz. 35c; large 25c, doz. \$2.00.

**VAN HOUTTEI.**—(Bridal Wreath)—The hardiest of all Spiraea. Bushes form fine compact clumps; the pure white flowers borne in such masses that they form great plumes, drooping gracefully, giving the clumps the appearance of a snowbank of white bloom. Each 15c, per doz. \$1.25, per 100 \$8.50. Large, each 25c, per dozen \$2.00, per 100, by express, \$14.00.

**THUNBERGIA.**—Slender, gracefully drooping branches. Single white flower. Blooms early. Each 15c, large 30c.

**WEIGELA.**

**ROSEA.**—No shrub in our large collection has attracted more attention. It is of robust but graceful growth, 5 to 7 feet high, and produces immense numbers of superb, large, trumpet-shaped flowers in June, July, and also some in the fall. Plants frequently have more flowers than leaves. Flowers shade from dark pink to nearly white in the same cluster. Each 15c, dozen \$1.50. Large 25c, dozen \$2.50.

**EVA RATHKA.**—A splendid new variety and perhaps the handsomest yet produced. Large purplish red flowers with rich, creamy white markings. Each 20c, large 35c.

**VARIEGATED.**—A neat, dwarf shrub, valuable for the clearly defined variegation of green, yellow and pink in its leaves; flowers delicate pink. A fine variegated-leaved shrub. Ea. 15c, large 35c.

**GRANDIFLORA WHITE.**—Like the Eva Rathke and equally as desirable. Flowers are pure white without shade or markings. Each 15c, large 35c.

**A GREAT SHRUB OFFER.**

A choice collection for permanent planting. 1 Deutzia, Pride of Rochester; 1 Forsythia; 1 Spirea, Anthony Waterer; 1 Hydrangea, Paniculata Grandiflora; 1 Weigela, Rosea; 1 Golden Elder; 1 Syringa; 1 Lilac; 1 Snowberry; 1 Climbing Honey-suckle; 1 Corehorus; 1 Althea. All by mail, post-paid, for 88c. Extra large two-year-old plants, by express, not prepaid, only \$2.00.



JAPAN SNOWBALL



SPIREA VAN HOUTTEI (Bridal Wreath)



WEIGELIA.



# HARDY PERENNIAL PLANTS

It is really wonderful the immense demand which there has been for these hardy plants 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. Cover with leaves or litter after ground is frozen. We prepay postage on all of these.

## 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 until frost. We cannot too highly recommend this for general planting. Cut shows the heads of bloom which cover plant. Each 10c, doz. 75c.

**MILLIFOLIUM 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. Each 10c, doz. \$1.00.

## ANTHEMIS.

**GOLDEN.**—A fine yellow flowered perennial; a continuous bloomer the entire summer notwithstanding both wet and dry weather. The flowers are of the exact form of a Marguerite daisy but clear yellow. Each 15 cents.

## AQUILEGIA.

These beautiful flowers, often called Columbines, are always beautiful and attractive, reminding one of the woods. Many handsome colors. Ea. 15c, doz. \$1.25. Large clumps 25c.

## ASTILBE.

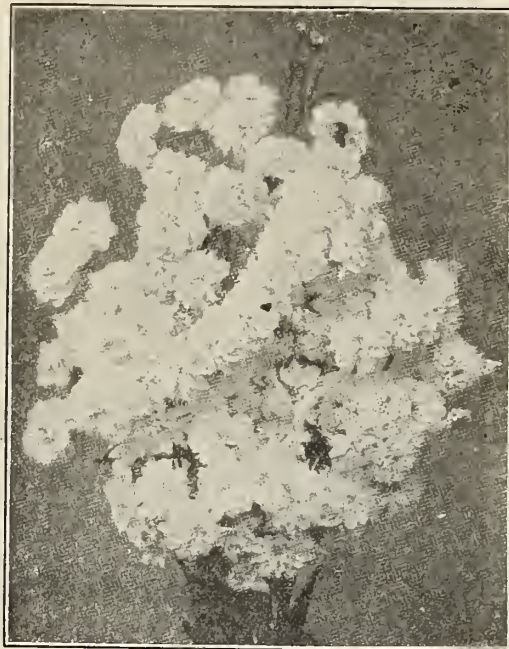
**JAPONICA.**—(Spirea Japonica)—Hardy everywhere, growing about two feet high, in compact shape, with handsome foliage, from above which rise its panicles of small, feathery white blossoms, the embodiment of grace and delicacy. Give a half-shaded position. Ea. 15c.

## ARABIS.

**ALPINA.**—A very desirable early spring flowering plant for edgings and borders. Forms dense growth and is completely covered with pure white flowers. Each 10c, doz. \$1.00.

## ARUNDO DONAX.

An ornamental plant having wide, but grass-like foliage handsomely green. Very showy and desirable for bedding. Each 15c, dozen \$1.50.



PEARL ACHILLEA.  
ANEMONE.

**WHIRLWIND.**—This beautiful Japanese Anemone has proved one of the finest hardy full-blooming plants in cultivation, growing to a height of 3 feet, and holding up on stiff stems double flowers from 2½ to 3 inches across, of pure white, and heavy waxy texture. A large bed of this is worth going miles to see, and the large, graceful flowers are unexcelled for cutting. Each 15c, doz. \$1.50.

**QUEEN CHARLOTTE.**—Similar to above but earlier and of beautiful shell pink color. An early flowering pink Anemone. Each 15c, dozen \$1.50.

## ASCLEPIAS.

**TUBEROSA.**—(Butterfly Weed)—Bright orange flower; showy and beautiful. Each 15 cents.

## ALYSSUM.

**SAXTILE COMPACTUM.**—A fine plant for rockeries or for borders, growing only about 12 inches high and producing bright yellow flowers in masses. Ea. 15c, doz. \$1.50.

## BABY'S BREATH.

(Gypsophila Paniculata)—This possesses a grace not found in any other perennial, and when in bloom it forms a symmetrical mass 2 to 3 feet high, of minute white flowers, giving it a beautiful gauze-like appearance. For cutting purposes it is exquisite, especially in combination with high-colored flowers. Each 10c, dozen \$1.00.



GAILARDIA GRANDIFLORA.



CANTERBURY BELLS.

## CANTERBURY BELLS.

We can furnish both double and single in assorted colors. Each 10c, dozen \$1.00.

## 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, excellent for cutting and of gorgeous coloring. Center is dark reddish brown. Petals brilliant scarlet, crimson, orange and vermillion. Each 15c, dozen \$1.50.

## BUTTERCUP.

**DOUBLE.**—A dainty little novelty. The flower is from one-half to three-fourths inch in diameter, perfectly double and of a peculiarly shining bright yellow color, giving it an appearance as though varnished, and blossoms are produced in the greatest profusion. The ladies as well as the children go into ecstasies over them. Each 10c, doz. \$1.00.



FOXGLOVE.

## FOXGLOVE.

(Digitalis)—These are most satisfactory summer flowering hardy perennials, succeeding under almost all conditions, and with but trifling attention will give wealth of flowers during June and July. They are used extensively with good effect in shrubberies and in other shady situations. Each 10c, doz. \$1.00. Large clumps 25c.



**BOLTONIA.**

**ASTEROIDES.**—A beautiful native plant growing 4 feet high, producing white, aster-like flowers. Each 15c.

**COLUMBINE.**

The Columbines are old favorite late spring and early summer blooming plants growing about 2 feet high, that succeed in any ordinary garden soil. The varieties offered are a selection of best kinds. Each 15c, dozen \$1.25. Large clumps, each 25c.

**DAY LILY.**

**WHITE.**—(Funkia)—A very beautiful plant for partly shady places. Large, round, heart-shaped leaves, clusters of fragrant lily-shaped white flowers. Each 15c, dozen \$1.50.

**BLUE.**—Like above only flowers are of a lovely blue color, borne on tall spikes. Each 10c, dozen \$1.00.

**VARIEGATED.**—Beautifully mottled dark green and pure white leaves, lilac flowers. Each 15c, dozen \$1.50.

**CHRYSANTHEMUM.**

**INODORUM.**—(Flore Pleno)—A hardy biennial variety producing an abundance of double white blossoms resembling somewhat the pompon varieties. Each 10c, dozen 85c.

**HARDY POMPON.**—These small 'Mums' are popular again; perfectly hardy; give showers of bloom after most other flowers are gone.

**Flora.**—Golden yellow; a very perfect flower. The best yellow.

**Little Bob.**—Small red flowers. Very free and pretty. The earliest.

**Little Chris.**—Ever blooming small white; semi-double; of dwarf habit.

**Little Dot.**—Mahogany. A perfect bush and a mass of tiny flowers.

Any of the above each 10c, per doz. 75c. One plant of each of the four named for 30c.



JAPANESE IRIS.

**DICENTRA.**

**SPECTABILIS.**—The old Bleeding Heart, as lovely as ever. In early spring it bears its long chain of pendulous bloom of exquisite beauty. Each 15c, dozen \$1.40.

**DELPHINIUM.**

**FORMOSUM.**—(Hardy Larkspur)—Its long spikes of bright blue flowers are produced continually from June until frost. Handsome in clumps. Ea. 15c, doz. \$1.50.

**EULALIA.**

**ZEBRINA.**—A stately ornamental grass for the lawn or hardy border. The variegated foliage is evenly striped crosswise with broad bands of golden yellow; hardy; produces 50 to 100 plumes. Each 20c.

**COREOPSIS.**

**GRANDIFLORA.**—Very desirable for permanent plantings, producing flowers of bright yellow from June until frost. Flowers last a long time in bouquets. Each 15c, dozen \$1.50.



ORIMSON EYE HIBISCUS.

**CRIMSON EYE HIBISCUS.**

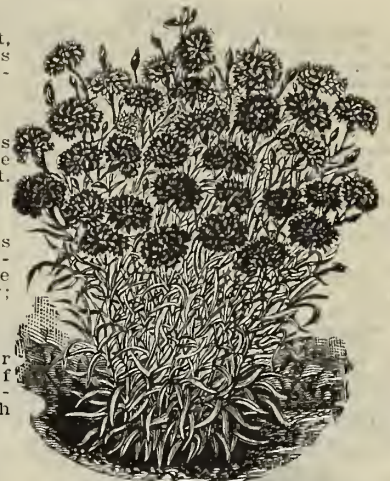
This elegant Hibiscus is a robust grower, with dark red stems and foliage. The flowers are immense in size, often measuring 20 inches in circumference. The color is of purest white, with a large spot of deep velvety crimson in the center of each flower. It will succeed anywhere and is perfectly hardy. Ea. 15c, doz. \$1.25; extra large 30c.

**EUPATORIUM.**

**AGERATOIDES.**—(Thoroughwort)—A useful plant for masses and borders, growing about 3 feet high, with dense heads of small white flowers. Each 10c, doz. \$1.00.

**JAPANESE IRIS.**

**KAEMPFERI.**—These magnificent Iris are among the most beautiful of our summer flowering plants. If immense size and beautiful colors. Think of a plant sending up to a height of 3 feet a dozen flowering spikes, each spike bearing two to four blossoms 8 to 10 inches across, and of most beautiful colors, markings and combinations—white, indigo, purple, bluish, yellow, etc. Once they are planted in your garden they are a joy for a lifetime, blooming profusely in June and July. Double mixed, each 20c, doz. \$1.75. Single mixed each 15c, doz. \$1.25.



HARDY GARDEN PINK.

**HARDY GARDEN PINKS.**

Dwarf hardy plants that will grow anywhere and increase in beauty every year. Delightful clove-like fragrance.

**HER MAJESTY.**—A grand variety; plants grow to large size, spreading and producing immense numbers of pure white, double flowers. Each 10c, dozen \$1.00.

**MARY GRAY.**—Reddish purple with narrow white lacing. Each 10c, dozen \$1.00.

**SOUR DE SALE.**—Soft rosy pink, very double. Each 15c, doz. \$1.25.

**ARISTOCRAT.**—Single or semi-double fringed variety. Salmon pink blotched maroon. Each 10c, dozen 85c.

**ESSEX WITCH.**—Delicate pink, finely fringed. Each 10c, doz. \$1.

**MIXED VARIETIES.**—Desirable for large beds or borders. Per doz. 65c, 100 for \$4.00.

Large field grown clumps assorted unnamed varieties of Garden Pinks, 25c each, \$2.00 per doz.

**GERMAN IRIS.**

The true "Fleur-de-Lis," the national flower of France. Perfectly hardy, thrive anywhere, grow and bloom luxuriantly, particularly if plentifully supplied with water or if planted in moist situation.

**MME CHEREAU.**—Tall growing sort with flowers of delicate shades of white, edged violet.

**GIPSY QUEEN.**—Peculiar shade of brown, striking and beautiful.

**GIPSY SEEDLING.**—A yellow colored flower desirable for contrast with bright colored sorts.

**HONORABLE.**—Yellow and chestnut brown; distinct and showy.

**FLORENTINA ALBA.**—A lovely soft white, very handsome plant.

Any of the German Iris list above, each 10c, dozen 85c.

**IRIS SIBERICA.**—A favorite and small flowered variety with white and blue flowers. Ea. 10c, doz. 60c.

**IRIS PUMULA.**—A dwarf, early blooming variety, quite desirable for borders and edgings. Violet blue flowers. Each 5c, doz. 50c, 100 for \$3.00.

**HEMEROCALIS.**

**KWANSO.**—(Double Corn Lily)—A double flowering orange lily that is entitled to a place in every hardy garden. Flowers beautiful orange, shaded copper, and blooms freely during July and August. Ea. 10c, dozen \$1.00.

**HOLLYHOCKS.**

These old favorites are again becoming popular, and they are both showy and desirable for massing and backgrounds. Mixed colors. Ea. 15c, doz. \$1.50. Large clumps 35c.



**HELIANTHUS.**

**MULTIFLORUS PLENUS.**—This should be in every garden and will give entire satisfaction. Flowers from 3 to 4 in. in diameter, double as any Double Dahlia, and cover plant from the ground to the top. Color a bright golden yellow. It should have a sunny position and a rich soil. Each 15c, dozen \$1.25.

**LYCHNIS.**

(Firefly)—An old favorite, bearing large heads of bright flowers. Each 15c, dozen \$1.00.

**MYRTLE.**

**GREEN.**—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. Each 10c, dozen 90c, 100 for \$6.00.

**MONARDIA.**

**DIDIMA.**—(Oswego Tea)—Flowers bright scarlet, produced in spikes. Each 10c, dozen 75c.



GRANDIFLORA RUBRA PÆONY.

**ALL-AGLOW.**—Iowa Seed Co.'s magnificent pink; well described by its name; outer and guard petals are a delightful pink, while entire center is a rich salmon tint. Flowers are extremely large and intensely brilliant; blooms from medium early till very late. Each 30c, dozen \$v.00.

**QUEEN VICTORIA.**—Very double, large and compact; color flesh-white center, petals are tipped and spotted with red. Each 25c, dozen \$2.50.

**FLORAL TREASURE.**—Large, soft delicate blush pink. Ea. 30c, doz. \$2.75.

**ROSE FRAGRANS.**—Large size, deep rose; fragrant. Each 25c, doz. \$2.50.

**VICTORIA TRICOLOR.**—Has a very large full flower. The outer petals pale rose mottled with pluk; center yellowish white. Each 25c, dozen \$2.50.

**LA ESPERANCE.**—An exceedingly fine vivid rose colored flower, growing compact and highly perfumed; early; free-flowering. Each 35c, dozen \$3.50.

**ANDRE LAURIES.**—A very double flower of bright red that blooms till late in the season. Each 25c, dozen \$2.50.

**GRANDIFLORA RUBRA.**—Extra large, perfect balls of pure blood red, magnificent flowers. Probably the largest red variety in existence, often 8 or 9 inches across, and so double as to appear like perfect balls. Give it rich soil and you will be surprised. Each 50c, dozen \$4.75.

**DOUBLE WHITE.**—Large double flowers which appear to be pure white on the bush, but really have a light creamy tint. Each 30c, dozen \$3.00.

**RUBRA TRIUMPHANS.**—An early blooming, very sweet-scented flower of rich, brilliant, glowing, satiny crimson color. Each 25c, dozen \$2.00.

**FINE MIXED.**—This mixture contains many of the choicest American and foreign sorts, but as we have a very large stock we offer them at only 15c each, \$1.50 per dozen, \$12.50 per 100, charges prepaid.

**PLATYCODON.**

A low-growing, bushy herbaceous plant with handsome, deep green foliage and bearing grand clusters of beautiful, large, bell-shaped flowers; 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 blue, lavender and white. Plants increase in size from year to year and are sure to please. Each 15 cents. Large size, each 25 cents.

**IBERIS.**

**SEMPERVIRENS.**—(Perennial Candytuft)—A dwarf plant producing clusters of handsome flowers. Each 10c, dozen 90c.

**INULA.**

**GLANDULOSA.**—(Flea Bane)—Grows about 2½ ft. high and bears very large orange yellow flowers during the midsummer months. Each 15 cents.

**LATHYRUS.**

**PERENNIAL PEAS.**—The sweet pea which will remain permanently in the beds or rows as planted. We can supply them in choice mixtures of colors. Each 10c, dozen \$1.00.

**LINUM.**

**PERENNE.**—A variety of perennial flax with graceful foliage and bearing flowers of light blue and white. Very attractive. Each 10c, dozen \$1.00.



FESTIVA MAXIMA.

**PÆONIES.**

Everyone knows the old-fashioned "Piny" of our grandmother's garden, but the specialists of America, Europe, and particularly those of Japan, have been at work so that now there are more than one thousand named varieties, many of them of the most curiously beautiful shapes and colors. They are as hardy as an oak, of the easiest culture, most vigorous habit, and free from all disease and insects. Many of the newer varieties are quite fragrant and well adapted for large showy bouquets. We have acres of peonies including a large number of sorts, but list only a few of the most popular.

**FESTIVA MAXIMA.**—By far the finest double white peony grown. The flower is of immense size, perfectly globular, the guard petals being large, while the inner petals are crimped, thus making it appear extremely double. The color is of the purest snow white with sometimes slight carmine marks in the center. Usually sell at \$1.00 each. Our price only 50c, doz. \$5.00.

**MARIE LEMOINE.**—A rare and a magnificent variety; flowers are enormous; sulphur-white, shaded pink and cream-yellow, a late bloomer. Each 50c, dozen \$5.00.

**RUTH.**—An especially choice sort. Foliage rich, glossy green, ornamental even when flower is not in bloom. Flower is of good size, perfectly double and of a clear, handsome pink color. Each 30c, dozen \$3.00.

**FESTIVA.**—Smaller flowers than Festiva Maxima but very handsome. Each 40c, dozen \$4.00.

**ELEGANS.**—Large salmon pink. Showy and attractive. Each 25c, dozen \$2.25.

**PÆONY COLLECTION.**

Six fine Pæonies, including one of our beautiful "All Aglow," the others to be our selection, but all different, sent postpaid for \$1 00.



WE GROW ACRES OF PÆONIES AND CAN SUPPLY THEM IN ANY QUANTITY DESIRED.



**PARDANTHUS.**

(Blackberry Lily)—Quite curious and handsome. The flowers are orange colored spotted with brown, about two inches in diameter. The blossoms are followed by seed clusters like a blackberry in size, shape and color. Each 10c, per dozen 85c.

**PERENNIAL ASTER.**

Very showy, strong growing and free flowering, presenting a mass of small, bright flowers in large clusters during late summer and autumn. Many shades of color. Each 10c, per dozen \$1.00.

**HARDY PHLOX.**

We know of nothing in hardy perennials more showy or effective than a fine collection of hardy phloxes, and the new and improved varieties that have been introduced recently will add very much to their popularity. Flowers are very large and have exceeding brilliant shades of color. They bloom from June until very late fall.

**FRINGED QUEEN.**—A novelty and 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 15c, field grown clumps each 25 cents.

**PEARL.**—Best pure white variety. Large beautiful flowers. Each 15c, field grown clumps each 25c.

**AMPHION.**—Deep purplish crimson. Each 15c.

**COQUELICOT.**—A glowing orange red with violet eye. Each 15c.

**ATALA.**—Clear dark pink with light center. Each 10 cents.

**PEACHBLOW.**—Beautiful delicate pink with white markings. Each 15c.

**WM. ROBINSON.**—Rosy salmon. Each 15 cents.

**AMORITE.**—White overlaid with lilac. Center rosy crimson. Each 10c.

**BAYARD.**—Attractive new variety. Bright rosy lilac. Each 15c.

**CHAMPS ELYSEE.**—A dark rich crimson. Ea. 15c.

**ECLAIREUR.**—A very handsome variety with unusually large flowers of purplish crimson, surrounded with a white halo. Each 15c.

**HENRY MURGER.**—An extra fine variety, having large white flowers, with very large crimson center. Each 15c.

**MIXED VARIETIES.**—A fine assortment. Each 10c, dozen 85c. Large field grown clumps each 25c.

**PHYSOTEGIA.**

**VIRGINICA ALBA.**—(False Dragon Head)—Pure white; very fine. One of the most beautiful of our midsummer flowering perennials, forming dense bushes 3 to 4 feet high, bearing spikes of delicate tubular flowers not unlike a gigantic heather. Each 15c, dozen \$1.50.



BLUE SPIREA.

**CREeping PHLOX.**

The Creeping Phloxes have a charming beauty all their own, and, for general usefulness, are not to be surpassed by any flower that grows. They will thrive in any situation, except a very shady one; and in any soil, no matter how poor, unless it is very wet. They are absolutely hardy without protection. They have neat, evergreen foliage, and when in bloom, which is during the month of May, their multitude of lovely pink, white or blue flowers cover everything beneath as completely as a carpet covers a floor. They bloom again in September, but not so freely. They do well on good soil, but are also desirable for covering rocky hillsides, sandy slopes, bare ground too poor to grow anything else, and for edging borders of hardy plants or shrubbery they are unsurpassed. Botanically known as Phlox Sublata. We can furnish three colors: pure white, deep pink and light blue. Each 10c, dozen 75c, per 100 \$5.00.

**POPPY.**

**ICELAND.**—Has fern-like foliage; bears an immense number of elegant flowers. Each 15c, dozen \$1.25.

**ORIENTAL.**—Mammoth flowers of gorgeous colors. Ea. 15c, doz. \$1.25.



PHLOX SUBLATA OR MOSS PINK.

**GRASS PINKS.**

The hardy and pretty clove-scented flowers which our grandmothers loved. The fragrance is quickly noticed by anyone passing by the yard where they are growing, before seeing the flowers. Flowers are double, semi-double and single, and range from pure white to dark pink and red. Each 10c, dozen 75c.

**PLUME POPPY.**

(Bocconia - Cordata) — Tall and stately, ornamental and sub-tropical in appearance with large, handsome foliage and large heavy plumes of white flowers on stems from six to eight feet high. Desirable for planting in the border or with shrubbery. Blooms continuously through July and August. Each 15c, dozen \$1.25.

**SPIREA.**

**BLUE.**—(Caryopteris)—A handsome shrubby plant for pots or open ground. Bloom from mid-summer until heavy frosts. Each 10c, dozen \$1.00. Field grown, each 30c.

**SAPONARIA.**

(Bouncing Betsey) — An old-fashioned perennial with pink flowers. Each 10c, dozen 75c.



HARDY PERENNIAL PHLOX.

**GOLDEN GLOW.**

**GOLDEN GLOW.**—A glorious hardy plant that should find a place in every garden. It is of fine habit; vigorous growth, with early, continuous and immense blooming qualities. The stems are long and gracefully poised. It attains a height of six to eight feet, and a small plant set out in the spring will produce hundreds of blossoms during August and September, each as large as a good sized chrysanthemum. It is of easiest culture and sure to please all. Nice for a screen row at back of lawn. Price 10c, dozen \$1.00.

**STRIPED RIBBON GRASS.**

The common striped grass, no two leaves alike. Pretty in clumps or borders. Each 10c, doz. 75c.

**STOKESIA.**

**CYANEA.**—Produces showy Aster-like deep blue flowers which measure from 4 to 5 inches across. Each 15c, dozen \$1.50.



GOLDEN GLOW (RUDBECKIA).

A BED OR ROW OF HARDY PHLOX MAKES A MOST BRILLIANT SHOW OF BRIGHTEST COLORS





SHASTA DAISY.

bels, with individual flowers nearly an inch across. Color white, pink, crimson, carmine, purple, etc., with eyes and rich markings. Each 10c, dozen 85c. Field grown clumps each 25c.

**TRITOMA.**

**PFITZERI.**—Sometimes known as Flaming Torch or Red Hot Poker Plant. At floral exhibitions and when sent as cut-flowers to market, this plant attracts great attention. It grows from 3 to 4 feet high, the flower measuring 12 to 15 inches long; they are of dazzling scarlet, lower half of flower tinged with rich orange. Each 15c, dozen \$1.50.

**VIOLETS.**

Of all perfumes that of violets is no doubt the most delicate and pleasant and easily places these modest little blue flowers among our greatest favorites. Violets grow and bloom freely if given a cool situation, but will not succeed in a warm place, and should be well covered to insure protection during the winter.

**SWANLEY WHITE.**—Unquestionably the finest double variety in existence and is a decided acquisition. Plants are of vigorous growth, producing a great many of the pure, snowy white, double flowers. It has such a delightful odor that it has been called the "Queen of Fragrance." Each 10c, dozen \$1.00.

**LADY CAMPBELL.**—One of the best, with fine large double flowers of deep, rich purple color. Each 10c, dozen \$1.00.

**MARIE LOUISE.**—To contrast with the white we offer this, the finest double blue violet grown. Color deep violet blue; very fragrant; continual bloomer. It is of easy growth. Each 10c, doz. \$1.

**CALIFORNIA.**—Grand single variety. A sturdy grower, dense, heavy foliage, free from disease. Flowers fragrant, a clear, unfading violet purple. Flowers are large and borne on stems ten to twelve inches long. Hardest of all. Each 10c, dozen \$1.00.

**PRINCESS OF WALES.**—Broad, pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff, long stems. It is one of the most beautiful and free flowering violets. Each 10c, dozen \$1.00.

**YUCCA.**

**FILAMENTOSA.**—(Adam's Needle)—Tropical looking plant with long, narrow leaves; remains green the entire year. Grows in clumps and throws up a flower stalk from 3 to 4 feet high, from which hang 100 to 300 creamy white, bell-shaped flowers. It blooms a long time. Each 15c, doz. \$1.50. Strong two-year-old plants 30c.



YUCCA FILAMENTOSA.

**SEA PINK.**

**ARMERIA OR THRIFT.**—Foliage narrow and grass-like and bears compact heads of flowers of handsome pink color; entirely hardy. Each 10c, dozen \$1.00.

**SHASTA DAISY.**

One of the most marvelous productions in the flower line that has ever been brought to the notice of floriculturists. It can be grown out of doors by anybody where it is not cold enough to kill oak trees. It is perennial, blooming better and more abundantly each season. The flowers are extremely large and graceful, averaging about four inches in diameter with three or more rows of petals of the purest glistening whiteness, and are borne on single, stiff, wiry stems, nearly two feet in length. It originated with Luther Burbank. Strong plants 15c each, \$1.25 per dozen. Field grown clumps 25c each. Can supply seed at 10c per pkt.

**SWEET WILLIAM.**

Well known, free blooming, hardy perennial plants which produce masses of lovely, brilliant, sweet-scented flowers through a long period, making a splendid effect in beds. One foot high. Flowers borne on heads or umbels.



SWEET WILLIAM.



LADY CAMPBELL VIOLET.

**PRAIRIE DAHLIA.**

Everyone who sees this attractive flower is very much impressed with its beauty. It is a variety of Helianthus which is perfectly hardy and a perennial, withstanding our severe winters in the western prairie states without any protection. It does not produce seeds but the roots can be divided. The plants are of a robust growth, about three feet in height, and produce immense numbers of beautiful bright golden yellow flowers greatly resembling the Dahlias, which have long stems and are very fine for cutting. It is a most desirable plant and is sure to please every flower lover. We strongly recommend it, also, for hedge rows or divisions at the back of the lawn. Strong plants each 15c, dozen \$1.25, per 100 \$8.00.



PRAIRIE DAHLIA.

**HIBISCUS MOSCHEUTLS.**

A strong growing rose-mallow, 3 to 5 ft. high, large pink flowers with purple eye. Blooms in Aug. and Sept; thrives in any good garden soil. Foliage strong and effective. Ea. 15c, doz. \$1.25.

**INTRODUCTORY COLLECTION OF HARDY PLANTS.**

Offered at an exceptionally low price to induce our customers to make a beginning in permanent plantings, as we believe if once established these flowers will demonstrate the advantage of hardy plants for the home grounds. The collection consists of—  
 3 Blue Day Lily, 3 Orange Lily, 2 Double Buttercup, 3 Sweet William, 2 Pearl Achillea, 2 Columbine, 2 Foxglove, 3 German Iris, and 6 Pinnula Iris for borders.  
 The total value of the above at catalogue rates is \$2.40, but we will send you the collection as named, postpaid, for \$1.25, or by express, not prepaid, \$1.00.

SUMMER BULBS CAN BE USED TO ADVANTAGE TO ENLARGE BEDS OF HARDY PLANTS.



# AQUATIC PLANTS.

The constantly increasing demand proves the coming popularity of aquatics. Their requirement is 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. Most of the varieties are also adapted for growing in aquariums.



**FAIRY WATER LILY.**—This resembles a miniature water lily bearing white flowers the year round. Fine for aquariums. Each 15c.

**WHITE POND LILY.**—(Nymphaea Odorata).—Praises of our fragrant water lily can never be too highly sung. It has lovely, pure white flowers. Strong roots 30c each; doz. \$3.00.

**PINK POND LILY.**—(Nymphaea Odorata Rosea).—This is the famous pink lily of Cape Cod and is a grand acquisition. Very fragrant. Large roots 65c each.

**YELLOW POND LILY.**—(Nymphaea Flava).—Flowers golden yellow color. Ea. 60c.

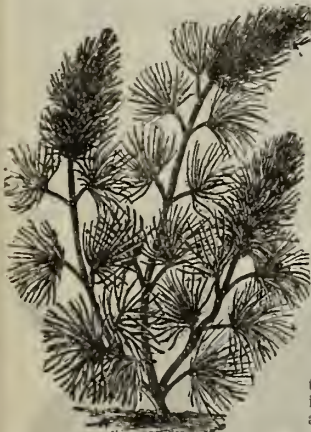
**EGYPTIAN LOTUS.**—(Nelumbium Speciosum).—A noble aquatic plant known in Egypt, India and China as the "Sacred Lotus." Has gigantic leaves of most tropical appearance, and flowers sometimes a foot in diameter. Color white shading to pink. Each \$1.25.

**LUDWIGIA.**—A pretty plant with smooth green leaves, variegated at certain seasons with yellow and red. It grows nicely in pots, vases and hanging baskets. Ea. 10c, 5 for 50c.

**SAGITARIA.**—A grass-like plant, quite desirable for growing in aquariums. Grows rapidly. Each 15c.

**LEMNA.**—Is sometimes called Duckweed. Small oval leaves, with rootlets hanging down in the water, and plants are produced very rapidly by the offshoots. Bunch 15c.

**WATER HYACINTH.**—Is one of the most remarkable, curious and beautiful plants. It floats in the water, forming a lovely rosette of its curling shining green leaves, and throws up spikes of most exquisite flowers. Color is a beautiful, soft, lilac rose, sparkling as if covered with diamond dust. The upper petal has large metallic blue blotches and in the center of that a small golden yellow spot. Each 15c.



**CABOMBA OR AQUARIA MOSS.**

Leaves are beautiful and regularly cut and resemble a delicate lace fern. Grows all the year round, but it looks a great deal better during fall and winter months than during spring. May be broken any length and roots readily. Should be weighted down so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.

**PARROT'S FEATHER.**—A dainty little jewel. Its trailing stems are covered with whorls of most exquisite foliage, as finely cut as the leaves of the cypress vine, but still more delicate. Each 15c.

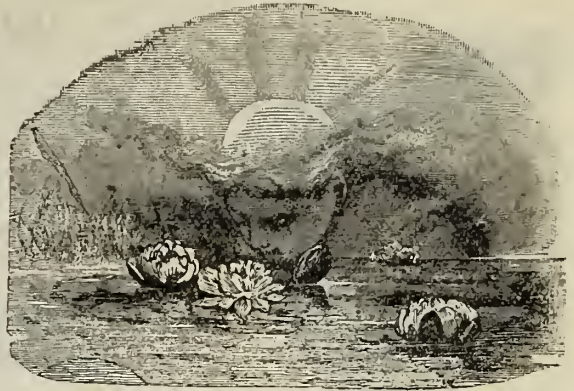


**CYPERUS OR UMBRELLA PALM.**



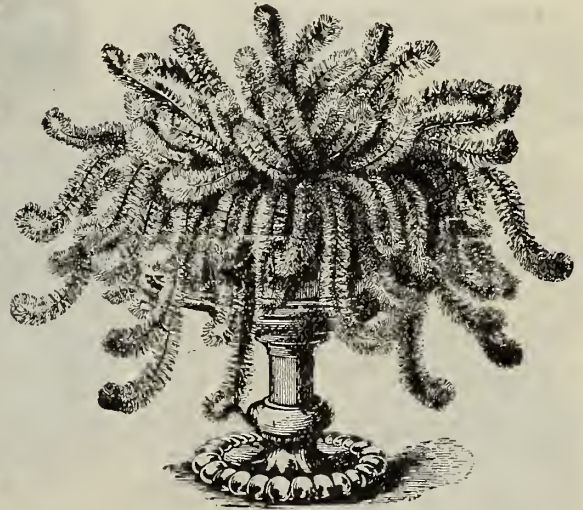
**WATER HYACINTH.**

**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. Grows all the year round, but it looks a great deal better during fall and winter months than during spring. May be broken any length and roots readily. Should be weighted down so the base of stems are in the sand. Bunch of ten stems 25c, postpaid.



**WATER LILIES.**

**UMBRELLA PALM.**—(Cyperus).—An ornamental plant which throws up slender, round stems about two feet high, surmounted at the top by a whorl of flat, ribbon-like leaves, diverging horizontally, thus giving the plant a very curious and fantastical 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, and will thrive in the shade as well as the sun. It is an excellent plant for the dining-room table or as a water plant in the very moist spots, or for aquariums or fountains. It should have an abundance of water, though it will do fairly well in dry soil. We sell thousands of these plants and they are always satisfactory. Each 10c, larger 25c and 50c each.



**PARROT'S FEATHER.**

## SOME DESIRABLE PLANTS.

(Not Aquatics.)

**IRISH SHAMROCK.**—The true shamrock, the poetic plant of Irish history. Resembles clover in shape of leaf. Does well when grown either in the open ground or in pots, and its neat foliage is quite attractive. Also fine as a border. Each 10 cents.

**GRAMINEUS.**—(Acorus Variegata).—A beautiful low-growing grass, handsomely variegated colors. Fine for edging and masses. Nothing better for borders of foliage beds. Each 15c.

**SALVIA.**—Snowstorm.—A pure white salvia. Each 10c, dozen \$1.00.

**SALVIA.**—Purple Prince.—A beautiful purple shade of this popular flower. Each 10c, doz. \$1.

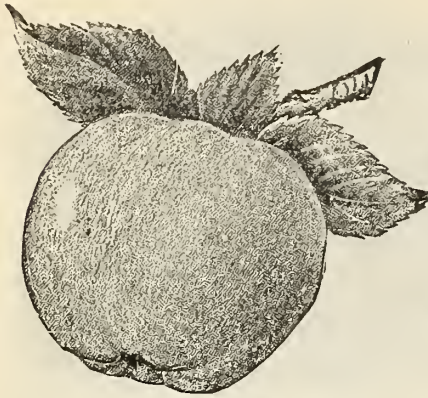
**TULLINUM.**—Variegatum.—(Malaber.)—Leaves are light cream, striped green and gray. Flowers in panicles, of delicate pink shade. Also called Bush Maderia Vine. Each 15c, doz. \$1.25.

**PANICUM.**—Variegatum.—(Oplismenus.)—A creeping perennial grass with narrow leaves, nicely variegated white, and pink stripes. Beautiful for baskets, vases and edgings. Each 15c.

**MINNEAPOLIS VINE.**—A hardy climber well adapted for porches, screens, trellises and special uses. Produces small, star-shaped flowers in profusion. Each 10c, dozen \$1.00.



# NURSERY STOCK.



YELLOW TRANSPARENT APPLE.

## APPLES.

Price 30c each, \$3.00 per doz. Purchase to pay transportation charges. Ask for prices by the hundred.

### Early Varieties.

**YELLOW TRANSPARENT.**—Early, fine quality, juicy and sub-acid. **BENONI.**—Medium size, red, tender, juicy, productive. **RED JUNE.**—Medium, of excellent quality. **DUCHESS.**—Good size, very early, rich, juicy fruit.

### Autumn Varieties.

**MAIDEN'S BLUSH.**—Beautiful blush cheek, large. **DYER.**—Light yellow, excellent quality. **FAMEUSE.**—(Or Snow Apple.)—Medium size, striped with deep red; flesh very white, juicy, excellent quality. **SWEET SWAAR.**—Large, yellow, tender, spicy.

### Winter Varieties.

**WEALTHY.**—Large, red, showy, sub-acid and productive. **MAMMOTH BLACK TWIG.**—Resembles Winesap, but is from one-third to one-half larger; very vigorous, strong grower. Productive, good quality and hardy. **INGRAM.**—Is from the seed of Rawle's Janet but is larger; tree very productive; valuable for a long keeper. **BEN DAVIS.**—Large, handsome, standard western variety for market. **GRIMES' GOLDEN.**—Good size, yellow, of highest quality, very productive. **JONATHAN.**—Medium, red, extra quality. **GANO, or BLACK BEN DAVIS.**—An improved Ben Davis, nearly covered with deep, dark red. **RAWLE'S JANET or GENETIN.**—Medium size, yellow, striped with red. Rich, crisp and juicy; a long keeper. **TALMAN SWEET.**—Medium, yellow like Snow Apple. **WAGENER.**—Is one of the most beautiful winter apples ever grown. Supposed to be a seedling of the Northern Spy. It is much brighter red and of the highest quality, the flesh being crisp, tender, aromatic. **NORTHWESTERN GREENING.**—Hardy, yellow; of rich flavor and a good keeper.

## CRAB APPLES.

Price each 35c, dozen \$3.00, by express.

**TRANSCENDENT.**—Medium size, golden yellow, rich, crimson red cheek; hardy and an abundant bearer.

**HYSLOP.**—Large; produced in clusters. Color dark, rich red. Late.

**WHITNEY NO. 20.**—Red striped. Fruit of medium size. Flesh firm and juicy. Early.



SPRUCE.



MONTMORENCY.



IRON CLAD PEACH.



KIEFFER PEAR.

## EVERGREENS.

Our evergreens are all nice shapes and transplanted. Purchaser to pay all express charges.

Variety.	Size.	Each.	Doz.
American Arbor Vitae.	12 to 18 inches	\$.30	\$ 2.50
American Arbor Vitae.	18 to 24 inches	.50	4.00
American Arbor Vitae.	24 to 36 inches	.75	6.00
American Arbor Vitae.	36 to 60 inches	1.00	10.00
Scotch Pine.....	12 to 18 inches	.30	3.00
Scotch Pine.....	18 to 24 inches	.50	4.50
Scotch Pine.....	24 to 36 inches	.75	6.00
Norway Spruce.....	12 to 18 inches	.40	3.50
Norway Spruce.....	18 to 24 inches	.60	5.50
Norway Spruce.....	24 to 48 inches	.85	9.00

Nothing is more beautiful than fruit, and nothing more easily grown. No farm, garden or city lot is complete without a few fruit trees and small fruit plants. It is essential that you secure good plants and trees in order to grow good fruit. We aim to send out only the very best stock, carefully packed for shipping. Fifty or more of any variety at the hundred rate. Where quoted "by express" the purchaser is to pay transportation charges by express or freight. Orders for nursery stock must amount to at least 50 cents. Ask for special price on large orders, sending list of wants.

## CHERRIES.

Price 50 cents each, dozen \$4.50, not prepaid.

**EARLY RICHMOND.**—Medium size, dark red, juicy acid flavor. Unsurpassed for cooking. The standard early variety in the middle west.

**MONTMORENCY.**—Large red acid cherry, larger than Early Richmond and about ten days later. Recommended as a superior sort for home use.

**WRAGG.**—Large, late acid variety, dark purple; very productive.

**ENGLISH MORELLO.**—Fine, large, late variety. Deep dark red.

## PEACHES.

Each 50c, dozen \$4.00, not prepaid.

**CHAMPION.**—Fruit large, beautiful in appearance, excellent flavor, skin creamy white with red cheeks, extremely hardy with free stones.

**CROSBY.**—Medium size, bright orange yellow, streaked with carmine. One of the best standard sorts and claimed to be the hardiest of all peaches. Ripens in September.

**ELBERTA.**—The most popular early market sort. Large, bright lemon yellow, with blush cheek.

**IRONCLAD.**—Originated near Des Moines. Perfectly hardy. Never winter-kills even when temperature is 30 degrees below zero. Freestone. Fruit medium size, handsome yellow, with blush cheek; flesh white, juicy and fine flavored. Medium early.

## PEARS.

Any of following by exp. 50c each, doz. \$4.00.

**KIEFFER.**—Large, rich colored and good quality. Excellent for canning; will keep until winter. Hardy.

**BARTLETT.**—Large size, of excellent quality. One of the leading varieties.

**SECKEL.**—Small, but of excellent quality; very hardy.

## PLUMS.

Any of the following sorts by express each 50c, dozen \$4.00.

**BURBANK.**—Considered by some to be the best of all the European sorts. Color clear cherry red with thin lilac bloom. Flesh deep yellow, very sweet and agreeable.

**FOREST GARDEN.**—Large mottled red and yellow, very sweet and rich.

**ABUNDANCE.**—Hardest of Japanese varieties. Large, showy and fine quality.

**WEAVER.**—Flesh firm red, juicy, with flavor resembling the apricot, freestone, early bearer and very productive, hardy and said to be curculio proof.

**WILD GOOSE.**—Large, rich, and melting; delicious. Strong grower and prolific.

**TATJE.**—An Iowa seedling from European variety. Hardy and productive. Large purple fruit.



ABUNDANCE PLUM.

IF YOU ARE GOING TO PLANT AN ORCHARD LET US FIGURE ON IT, WE CAN SAVE YOU MONEY.



## GRAPES.



MOORE'S EARLY.

## GOOSEBERRIES.

**JOSSELYN.**—A new variety of gooseberry of superior merit. Very large, hardy, productive and free from mildew. Regarded the best of recent introduction. Be sure to secure one or more plants of this variety. Each 30c, per dozen \$2.75.

**PEARL.**—One of the most prolific gooseberries known; very hardy, entirely free from mildew. Superior in size and productiveness to Downing. One of the best of recent introduction. Each 25c, doz. \$2.25.

**INDUSTRY.**—The best English sort yet introduced in this country. Berries of immense size, 1 to 2 inches long. Ea. 25c, per dozen \$2.25.

**HOUGHTON.**—Pale red, good quality and productive. Each 20c, doz. \$1.50.

**DOWNING.**—Large, pale green berries. Each 20c, doz. \$1.50.

## CURRENTS.

**POMONA.**—The most productive and vigorous red currant ever introduced; ripens early, but remains on the bush longer than any other sort. Of remarkably fine quality. Each 15c, per doz. \$1.25.

**FAY'S PROLIFIC.**—One of the most prolific, of excellent quality. Each 15c, doz. \$1.25.

**WHITE GRAPE.**—Ea. 15c, doz. \$1.00.

## DEWBERRY.

**LUCRETIA.**—The best dewberry for this section. Berries much larger and better in quality than blackberries. Each 15c, doz. \$1.25, per 100 \$2.50.

## RASPBERRIES.

**NEW CARDINAL.**—This wonderful berry surprises all by its great growth, extreme hardiness, exceeding productiveness and the unusual richness of its pure flavored, large purple berries. Leading horticulturists everywhere have pronounced it one of the fruit wonders of the century and the most profitable of all sorts. Dozen \$1.00, 100 \$2.75.

**CUMBERLAND.**—One of the best blackcap variety. It is of very large size, good quality, firm and handsome, and an excellent shipper. Plants vigorous and hardy, productive and free from disease. Doz. 75c, per 100 \$2.50.

**KANSAS.**—Ripens about one week earlier than Gregg. Fruit large and firm. Valuable as a home or market variety. Doz. 75c, per 100 \$2.00.

**GREGG.**—Hardy and excellent. Has been the leading blackcap variety for many years. Doz. 50c, per 100 \$2.00.

**HAYMAKER.**—Purple red color cap, not so dark as Columbia or Shaffer, but larger and firmer than either of these varieties; never crumbles and stands up well in shipping. Considered the best purple cap yet introduced. Roots from the tips. Each 25c, dozen \$2.00.

**McPIKE.**—This grand new sort is now pronounced the most valuable black variety ever offered. A great improvement on the Worden. Early bunches large and compact; ripens evenly and berries are of enormous size. Each 25c, doz. \$2.00, 100 \$12.00.

**THE KING.**—A grand new variety. Originated in Michigan and has been very highly recommended by the Michigan State Horticultural Society. Not only is the individual grape of mammoth size, sometimes three inches in circumference, but the bunch is also very large, compact and presents an exceptionally fine appearance on the market. A splendid shipping sort and one of the best keepers we have ever seen. Strong, well grown vines 50c each, \$4.50 per dozen.

**CAMPBELL'S EARLY.**—Strong grower with large, healthy foliage. Very productive; its keeping and shipping qualities are unequaled by any other early grape. Ripens with Moore's Early. Bunch and berry large, glossy black with blue bloom. Sweet and juicy; clusters are usually shouldered. Each 25c, per doz. \$2.00, per 100 \$12.00.

**MOORE'S EARLY.**—Bunch large, berry very large and round, vines exceedingly hardy. A very desirable early market black variety, exceedingly hardy. Each 15c, doz. \$1.00. By express, per 100 \$5.00.

**WORDEN.**—A large grape of the Concord type, much earlier, larger and of better quality, hardy and more productive. The best all around black grape. Each 15c, doz. \$1.00, per 100 \$4.25.

**CONCORD.**—The well known standard black variety. Succeeds well everywhere. Each 10c, doz. \$1.00, per 100 \$4.00.

**LUCILE.**—A beautiful bright red grape, supposed to be a seedling of the Wyoming Red. Berry is very large and bunches large and compact. Is an enormous bearer of excellent fruit. Has never been known to winter-kill, and is free from mildew and disease. Each 50c, doz. \$4.00.

**AGAWAN.**—Berries are very large, bright red, with thick skin; very vigorous grower. Fruit of good quality. Each 15c, doz. \$1.00, per 100 \$4.50.

**WOODRUFF.**—Of iron-clad hardiness, a rank grower and very healthy. Fruit large and very attractive. Usually shouldered. Sweet and of fair quality. Ripens soon after the Concord and stands at head of list of red varieties. Each 25c, doz. \$2.50, per 100 \$8.00.

**NIAGARA.**—This is a leading white variety, very productive and hardy. Bunch and berries large green or white, changing to pale yellow when fully ripe; the skin thin and tough. Quality extra fine. Each 15c, doz. \$1.25, per 100 \$5.00.

**BRIGHTON.**—Of the best quality. Bunch and berry large, of bright red color and it is quite productive. Each 15c, doz. \$1.00, per 100 \$5.00.

## BLACKBERRIES.

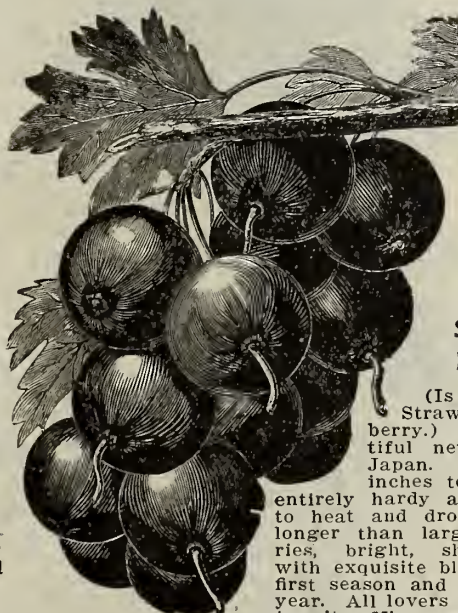
**ERIE.**—One of the very best sorts. Shape as shown in illustration. Very productive. Fruit large and of fine quality. Makes a very attractive appearance on the market. Each 15c, doz. \$1.75, per 100 \$3.00.

**ANCIENT BRITON.**—This is regarded as one of the hardest blackberries and especially adapted to Iowa, Wisconsin and Minnesota. Doz. 50c, per 100 \$2.25.

**SNYDER.**—Extremely hardy and very productive. The standard sort for the west. Doz. 50c, per 100 \$2.00.

## TREE STRAWBERRY.

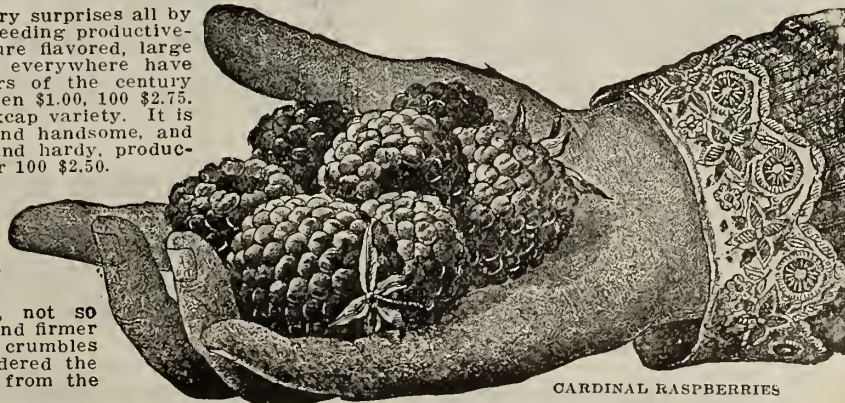
(Is also called Strawberry - Raspberry.) A very beautiful new fruit from Japan. Bush from 18 inches to 2 feet high, entirely hardy and impervious to heat and drought. Berries longer than largest strawberries, bright, shining scarlet with exquisite bloom. It bears first season and improves each year. All lovers of fruit should try it. Nice plants 25c each, \$2.50 per dozen.



POMONA CURRANT.



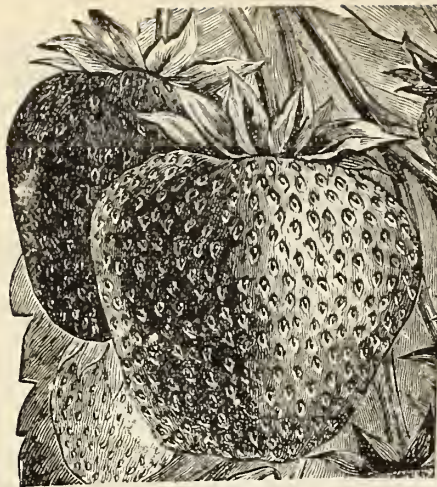
ERIE BLACKBERRY



CARDINAL RASPBERRIES



# STRAWBERRIES.



NEW HOME.

## ORNAMENTAL TREES.

We can supply the following ornamental trees at prices named. Customers will please note that these can only be shipped with fruit trees or plants as they are shipped direct from the growing station and it will not be possible to ship with any other kinds of goods. Purchaser to pay all express or freight charges.

	Each	Per 10
Ash, American White, 4 to 6 ft.	\$.30	\$2.50
Ash, American White, 6 to 8 ft.	.50	4.50
Birch, Cut Leaf Weeping, 4 to 5	1.00	8.00
Birch, Cut Leaf Weeping, 5 to 6	1.25	10.00
Birch, Cut Leaf Weeping, 6 to 8	2.00	15.00
Box Elder, 4 to 6 ft.	.30	2.50
Box Elder, 6 to 8 ft.	.50	4.50
Carolina Poplar, 4 to 6 ft.	.30	2.50
Carolina Poplar, 6 to 8 ft.	.40	3.50
Carolina Poplar, 8 to 10 ft.	.60	5.50
Carolina Poplar, 10 to 12 ft.	.75	7.00
Carolina Poplar, extra large.	1.50	12.00
Catalpa, Hardy, 4 to 6 ft.	.30	2.50
Catalpa, Hardy, 6 to 8 ft.	.40	3.50
Catalpa, Hardy, 8 to 10 ft.	.60	5.50
Catalpa, Hardy, 10 to 12 ft.	.75	7.00
Chestnut, Am. Sweet, 4 to 6 ft.	.75	7.00
Chestnut, Am. Sweet, 6 to 8 ft.	1.00	9.00
Crab, Dbl. Flowering, 2 to 3 ft.	.75	7.00
Crab, Dbl. Flowering, 3 to 4 ft.	1.00	9.00
Elm, American White, 4 to 6 ft.	.35	3.00
Elm, American White, 6 to 8 ft.	.60	5.00
Elm, American White, 8 to 10 ft.	1.00	8.00
Elm, American White, ext. l'rg	1.50	12.00
Hackberry, 4 to 6 ft.	.60	5.00
Hackberry, 6 to 8 ft.	.75	7.00
Hackberry, 8 to 10 ft.	1.00	9.00
Linden, American, 4 to 6 ft.	.60	5.00
Linden, American, 6 to 8 ft.	.75	7.00
Locust, Black, 4 to 6 ft.	.30	2.50
Locust, Black, 6 to 8 ft.	.50	4.50
Locust, Black, 8 to 10 ft.	.75	7.00
Locust, Honey, 4 to 6 ft.	.50	4.50
Locust, Honey, 6 to 8 ft.	.75	7.00
Locust, Honey, 8 to 10 ft.	1.00	9.00
Maple, Soft or Silver, 4 to 6 ft.	.30	2.50
Maple, Soft or Silver, 6 to 8 ft.	.50	4.50
Maple, Soft or Silver, 8 to 10 ft.	.75	7.00
Maple, Soft or Silver, 10 to 12 ft.	1.00	9.00
Maple, Soft or Silver, ext. large	1.50	12.00
Maple, Weir's Cut Leaf, 4 to 6	.50	4.50
Maple, Weir's Cut Leaf, 6 to 8	.75	7.00
Mountain Ash, 4 to 6 ft.	.40	3.50
Mountain Ash, 6 to 8 ft.	.60	5.00
Mountain Ash, 8 to 10 ft.	1.00	9.00
Sycamore, American, 4 to 6 ft.	.40	3.50
Sycamore, American, 6 to 8 ft.	.60	5.00
Sycamore, American, 8 to 10 ft.	1.00	9.00
Willow, Wisconsin Weeping, 4 to 6 ft.	.50	4.50
Willow, Wisconsin Weeping, 6 to 8 ft.	.75	7.00
Teas' Weeping Mulberry, one year	1.50	7.00
Teas' Weeping Mulberry, two year	2.00	15.00

Perfect flowered varieties are marked (s); the imperfect marked (p), must have perfect flowered sorts planted with them or they will not fruit. Ask for price by the thousand.

**NEW HOME.**—On our trial grounds this has proven to be the best of all varieties for home growing. It is of large size, handsome shape, as shown in our illustration, of bright red color, which does not lose its luster or turn dark after being picked a long time. Per doz. 50c, per 100 \$2.00, postpaid. By express, per 100 \$1.50.

**CLIMAX.**—One of the most desirable family varieties. Large size, very productive and of good quality. Per doz. 40c, per 100 \$1.75. By express, per 100 \$1.50.

**SAMPLE (p).**—Of large size, fine shape, good quality. It has been claimed that it produced 16,000 quarts per acre. The season for ripening is long, and it holds its size well to the last picking; also does well in matted rows. Per doz. 40c, per 100 \$1.75, postpaid. By exp., per 100 \$1.50.

**CLYDE (s).**—One of the most popular varieties in the west. It is of vigorous growth and very productive. The berries are of a deep scarlet in color and moderately firm. Decidedly the best early sort. Per doz. 40c, per 100 \$1.25, postpaid. By express, per 100 \$1.00.

**SENATOR DUNLAP (s).**—A medium sized variety; very hardy, productive, a vigorous grower. Remains in bearing until quite late. It is unsurpassed in quality; claimed to be the best all round variety yet introduced. Per dozen 40c, per 100 \$1.50, postpaid. By express, per 100 \$1.25.

**BISMARCK (s).**—This resembles Bubach, of which it is a seedling, but is not quite so large, but much better in shape, color and quality. It is very productive and ripens late in the season. Per doz. 40c, per 100 \$1.25, postpaid. By express, per 100 \$1.00.

**SEAFORD (p).**—Of extraordinary merit. Begins ripening early and continues late. A most excellent variety for home use. It is a deep, glossy crimson, of excellent quality. The plant is an exceptionally vigorous grower. Per doz. 40c, per 100 \$1.25, postpaid. By express, per 100 \$1.00.

**WARFIELD (p).**—This is one of the best known market berries, of medium size and excellent quality and a good shipper. It is one of the best early sorts and maintains its size well throughout the season. Per doz. 25c, per 100 \$1.00, postpaid. By express, per 100 75c.

**BEDERWOOD (s).**—This is one of the best known varieties for planting with the Warfield or Crescent, as it produces a large amount of pollen. It is of excellent color and a good shipper. Ripens early. Per doz. 30c, per 100 \$1.00, postpaid. By express, per 100 75c.

**CRESCENT (p).**—One of the old standard varieties, which will produce a large crop where other varieties would fail, as it will stand an unusual amount of neglect. The berry is of medium size and fair quality. Per doz. 25c, per 100 \$1.00, postpaid. By express, per 100 75c.

**NICK OHMER (s).**—Very large in size, uniform in shape, dark, glossy red, firm and excellent flavor. Season rather late. Per doz. 40c, per 100 \$1.50, postpaid. By express, per 100 \$1.25.

**BRANDYWINE (s).**—Large berry, vigorous, strong grower and makes a large, heavy plant. It is fine for market, being large, firm and of a handsome red color. The blooms are perfect, making it a good fertilizer for other varieties. Per doz. 40c, per 100 \$1.25, postpaid. By express, per 100 \$1.00.

**PARKER EARLE (s).**—One of the most vigorous and best sorts for family garden. Per doz. 50c, per 100 \$1.75, postpaid. By express, per 100 \$1.50.

**WM. BELT (s).**—Plant large and a thrifty grower. Berry large, of brilliant glossy red color and best quality. Per doz. 40c, per 100 \$1.60, postpaid. By express, per 100 \$1.40.



CLYDE.



NICK OHMER.

## STRAWBERRY COLLECTION.

25 Senator Dunlap, 25 Nick Ohmer, 25 Bederwood, 25 Warfield. Four varieties suitable to grow together and give a succession of fruit through the season. 100 plants in all (Just enough for a home bed.) Postpaid for \$1.00.

Certificate No. 47.

State of Iowa

### CERTIFICATE OF NURSERY INSPECTION.

Office of State Entomologist, Ames, Iowa.

This is to Certify, That in accordance with Chapter 53 of the Acts of the Twenty-seventh General Assembly, as amended by the Thirty-first General Assembly, the nursery stock for sale by the Iowa Seed Company, of Des Moines, Iowa, has been inspected by a duly authorized inspector and has been found apparently free from dangerously injurious insect and plant diseases. This Certificate is invalid after July 1, 1909.

H. E. Summers, State Entomologist.

A STRAWBERRY BED MUST BE RENEWED EVERY TWO OR THREE YEARS, OR YOU GET NO FRUIT.



# LAWN SUPPLIES.

OF THE BEST QUALITY.



**NEW BALL BEARING CONQUEROR LAWN MOWER.**—For six years past one of the oldest and largest manufacturers has been experimenting to adapt the ball bearing and other new features to lawn mowers. For two or three years he has put out a few dozen each year to give them a practical test and they have proved wonderfully successful. He has now put them into our hands, and we can offer our customers by far the best mower ever put on the market. The shaft is extra heavy, bearing four cutting knives, and it runs at a high speed compared to ordinary lawn mowers. This gives it a continuous cut, and makes a smoother, cleaner lawn. The wheels are nine inches in diameter, with skeleton rims. It has parallel bearings provided with micrometer adjustment, so that practically it cannot wear out. Stationary knife is of the best cast steel, hardened, tempered and self-sharpening. In all respects it is designed for hard, continuous service, and still the ball bearings and all parts are so perfectly adjusted that it runs as easy as a bicycle. As will be noticed the handles are a new style made specially for us. If desired we can furnish mowers with the ordinary handles at 50c less. The mowers are warranted, and we are sure will please the most particular. Price for mower cutting 14-inch swath \$6.50, 15-inch \$7.00, 18-inch \$7.50, 20-inch, for large lawns, \$7.75.

**RUBBER HOSE.**—Few realize the great difference there is in the quality of rubber hose. The price ranges from \$2.00 to \$12.00 per length of 50 feet. The low grades will not stand ordinary water pressure and are gone in a few days. The most expensive grades are intended only for steam. For general use the grades which we offer this year are, we believe, superior to any other. We want to warn everyone not to leave their hose out in the sun when not in use, as the water left in it gets very warm and will rot the best of hose. **Best Grade.**—A high grade of five-ply rubber hose. Per coil of 50 feet \$7.50. **Second Grade.**—A really good quality for \$5.00 per coil.

**COTTON HOSE.**—Many persons consider the cotton hose more serviceable than rubber. Per coil of 50 feet \$6.00.

**DUDE HOSE REEL.**—It pays to use a reel as it keeps the hose in better shape and saves labor and annoyance. Price \$1.25.

**MAGIC NOZZLE.**—Sprays; or will throw a solid stream. Each 50c.

**GRASS HOOKS OR SICKLES.**—Useful for trimming the edges of lawns next to fences, around trees, shrubs, etc. Price 25c each or a superior quality for 40c.

**WIRE TREE GUARDS.**—It pays to use them and avoid any injury to the bark from animals, lawn mowers or accidents. No. 1, 5 ft. 3 in. high, 7 in. in diameter, each \$1.00; dozen \$9.50. No. 2, 6 ft. high, 7 in. in diameter, each \$1.30; dozen \$12.00.

**PLANT TUBS.**—Strong, well-made wooden tubs, neatly varnished or painted and quite desirable for holding large plants. 12-inch \$1.25, 15-inch \$1.75, 18-inch \$2.25, 20-inch \$2.50, 24-inch \$3.25.

**ELECTRIC ANT EXTERMINATOR.**—Lawns sometimes become infested with ants which disfigure it with unsightly heaps of dirt and kill the grass in spots. Many experiments have been tried to destroy them, with little success, until the invention of this new preparation which does the work. Per pkg. 25c, or postpaid for 30c. Also nice for use in the house.

**CLIMAX LAWN WEEDER.**—A simple and easy working device for removing noxious weeds and plants from lawns. Easily operated and does effective work. The full length is 42 inches, enabling the operator to stand erect. Push the chisel under the plant at an angle that will sever the roots. A slight pull on the trigger brings the grab down which securely holds the plant, lifting it out and leaving only a slight mark. Price \$1.00.

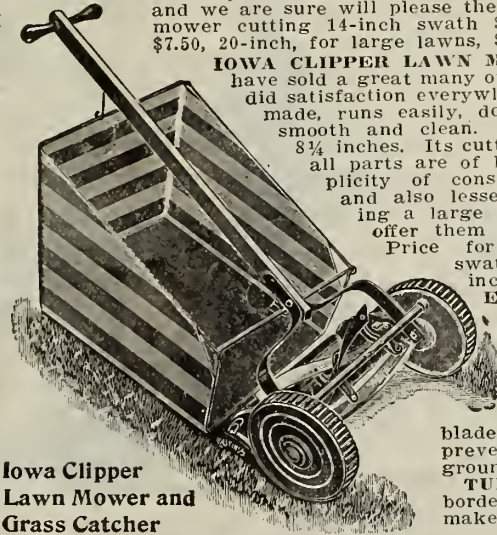
**SELF-CLEANING LAWN RAKE.**—Best cheap device for raking the lawn. Automatic self-cleaner, keeping the teeth clean. 75c each.

**GRASS CATCHERS.**—The most successful device yet brought out for the purpose. It is easily attached to the handle only; it does not interfere in any way with the action of the mower. Our cut shows it adjusted ready for use. It can be almost instantly loosened at the lower end to dump the grass. No. 1, suitable for the 12 or 14-inch low wheel or ordinary lawn mowers, each 50c. No. 2, for 14 or 16-inch high or low wheel, 65c. No. 3, for 16 or 18-inch high or low wheel, 80c. No. 4, for 20-inch high wheel, \$1.00.

**PEERLESS LAWN FERTILIZER.**—Lawn grass is a voracious feeder and will not thrive and hold its beautiful dark green color and velvety appearance unless suitably fed. Lack of this requisite causes many poor, rusty looking lawns. Our Peerless Lawn Dressing is prepared specially for lawns, is of best quality, dry, finely pulverized, easy to apply. Possesses in highest degree and concentrated form the constituents best calculated to nourish grass, promote luxuriant growth and the dark green color so admired. Not only the most perfect lawn dressing devised, but the most pleasant to handle, being practically non-odoriferous. Being dry and fine, is easy to apply, and imparts a vigorous growth to grass. In preparing a new lawn, sow 10 to 30lbs. per 1,000 sq. ft. of surface, according to richness of soil, raking in thoroughly. For top dressing on lawns, use about 10lbs. per 1,000 sq. ft. of lawn or 100lbs. per acre, early in spring. Price 10lb. pkg. 60c, 25lb. \$1.00, 50lb. \$1.85, 100lb. \$3.50, 400lb. \$12.00.

CLIMAX WEEDER

**SHIELD WEED KILLER.**—A preparation for destroying dandelion, plantain and other weeds on the lawn. See description and price, page 105



Iowa Clipper Lawn Mower and Grass Catcher

**IOWA CLIPPER LAWN MOWER.**—For six years we have sold a great many of these and they gave splendid satisfaction everywhere. It is thoroughly well-made, runs easily, does excellent work, cutting smooth and clean. Diameter of drive wheels 8 1/4 inches. Its cutting bar is of solid steel and all parts are of best quality, while its simplicity of construction insures durability and also lessens the cost. By purchasing a large number we are enabled to offer them at wonderfully low prices. Price for mower cutting 12-inch swath \$2.75, 14-inch \$3.25, 16-inch \$3.75.

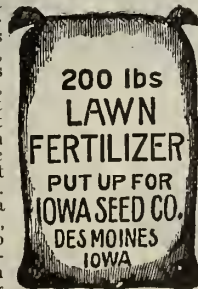
**EXCELSION HORSE LAWN MOWERS.**—The best make, 30-inch cut \$80.00, 35-inch cut \$95.00, 40-inch \$120.00.

**IMPROVED GRASS SHEARS.**—An improvement on the ordinary grass or sheep shears. Has long blades and handle is curved to prevent rubbing knuckles on the ground when using. Each 50c.

**TURF EDGER.**—For trimming borders of walks, drives, etc. to make a square edge. Each 50c.



IRON RESERVOIR VASE,



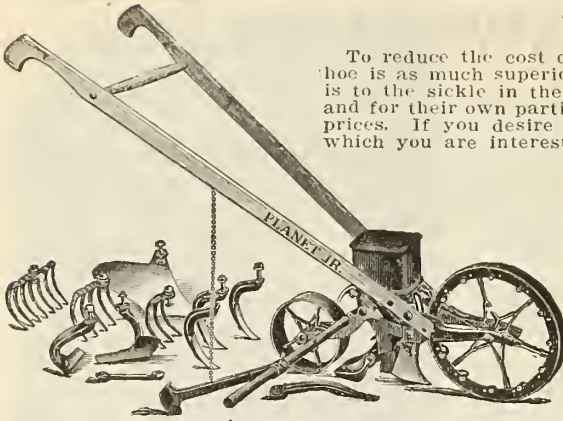
200 lbs  
LAWN  
FERTILIZER  
PUT UP FOR  
IOWA SEED CO.  
DES MOINES  
IOWA

**IRON RESERVOIR VASES.**—These are the best vases made for general use, as well as for cemeteries, as they do not require watering oftener than once in ten days. The top part or earth receiver has a tube in the bottom extending down into the water reservoir which is packed with moss or sponges through which the water is drawn up by capillary attraction so that the roots of the plants always have sufficient moisture and are never over-watered. Price \$10.00 each; larger size \$20.00; other styles \$24.00 to \$100.00 each.



## 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 is to the sickle in the hay field. All of the following tools have been thoroughly tested and for their own particular class of work have given splendid satisfaction. Notice reduced prices. If you desire it we will send illustrated circular describing any of the tools in which you are interested.



PLANET JR. NO. 4, SEEDER AND CULTIVATOR.

hoe it works safely to and from both sides of the row at once, or between the rows. As a cultivator it is admirably adapted to deep mellowing of the soil. Each machine is sent out with the tools shown in the cut. Price \$9.50. Pair of rakes for same 50 cents extra.

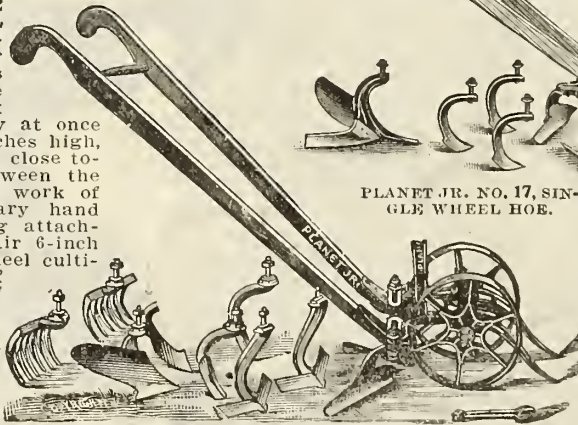
**PLANET JR. NO. 3 SEED DRILL.**—We regard this drill as the acme of perfection and most decidedly the best seed sower made. It will sow perfectly either in a continuous row or drop the seeds in hills 4, 6, 8, 12 or 24 inches apart. It opens the furrows, drops in hills or drills, covers, rolls down and marks the next row, all at one operation. It has a force feed, sows equally well whether the hopper is full or contains only a paper of seed. Price \$10.50.

**PLANET JR. NO. 25 COMBINED SEEDER AND CULTIVATOR.**—A large Drill and Double Wheel Hoe, intended especially for market gardeners. Sows all kinds of garden seeds in hills or drills, and combines with it a Double Wheel Hoe, Cultivator and Plow. Ask for descriptive circular. Price \$13.50.

**PLANET JR. NO. 16 SINGLE-WHEEL HOE.**—This latest and best single-wheel hoe has a very full set of tools, several of them being of new design, such as have been found to work in the very best manner. It has an 11-inch wheel, with broad face; is very light, strong and easy running. It has an adjustable handle and quick-change frame. The tools are a well-shaped plow, a pair of 6-inch shield hoes and three all-steel patent cultivator teeth, also a set of two rakes and a practical leaf guard. Price \$5.50.

**PLANET JR. NO. 17 SINGLE-WHEEL HOE.**—Has one pair of hoes, three cultivator teeth and a plow. This is just the right assortment of tools for a family garden and should become very popular. If desired, the rakes and other attachments can be added later to make a complete tool. Price \$4.75.

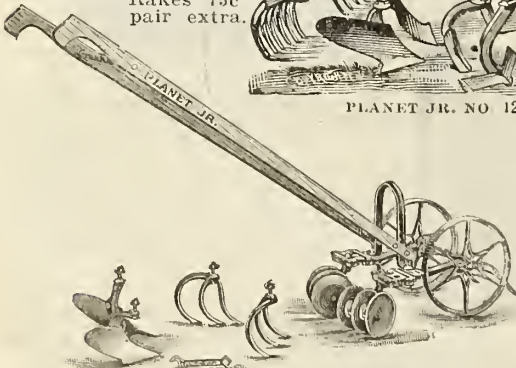
**PLANET JR. NO. 12 DOUBLE - WHEEL HOE.**—This most practical tool is made for gardeners. The arch is high enough to enable the operator to work both sides of the row at once until plants are 18 inches high, then wheels can be set close together and work between the rows. It will do the work of six men with ordinary hand hoes. The cultivating attachments consist of 1 pair 6-inch hoes, 2 pairs hollow steel cultivator teeth, 1 pair of plows and 1 pair leaf lifters. Price \$6.85. Rakes 75c pair extra.



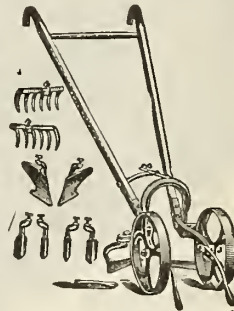
PLANET JR. NO 12 DOUBLE WHEEL HOE.

Equipment are three discs on each side, of which two or more may be used as desired, and can be adjusted for depth. Two sets of prong cultivator teeth constructed on entirely new lines. Tooth next to the row is narrow and arranged to run shallow, the middle tooth is wider and runs one-half inch deeper, outside tooth is very much wider and runs deeper still. Teeth are set out of line from front to back so they work with greater freedom. Two plows of regular Planet Jr. model. Price \$8.00.

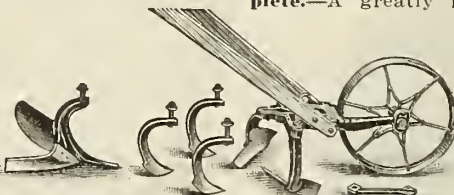
**STANDARD NO. 2 DOUBLE-WHEEL HOE.**—A double-wheel hoe with spring beams and arch made in two pieces so that the width may be adjusted to the row, and permitting the operator to move either side in such way as to work in crooked rows or hills with equal ease. Wheels are 12 inches high. The equipment consists of two malleable iron rakes, two steel hoes, two steel plows, and four steel cultivator teeth, and all the attachments may be adjusted to work at a desired depth by raising and lowering the handles in the frame. Each \$6.50.



PLANET JR. NO. 14, DOUBLE WHEEL DISC HOE.



UNIVERSAL DOUBLE WHEEL HOE



PLANET JR. NO. 17, SINGLE WHEEL HOE.



MATTHEWS' NEW UNIVERSAL CONSTELLATION DRILL AND CULTIVATOR.

**MATTHEWS' UNIVERSAL CONSTELLATION DRILL.**—The latest improved, and we are convinced that this tool is one of the best. It sows perfectly all kinds of seeds 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 seeding apparatus is detachable and interchangeable with the cultivator tools. Price only \$8.00.

**MATTHEWS' UNIVERSAL GARDEN DRILL.**—A new one-wheel drill of superior merit. It is particularly adapted to planting all kinds of garden seeds. The depth may be gauged to any required space and will make a uniform deposit of the seeds. The single-wheel seeder is considered by many as superior to any double-wheel drill. Price \$6.25.

**UNIVERSAL DOUBLE-WHEEL HOE.**—Complete.—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 the 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. Price only \$5.00.

**UNIVERSAL DOUBLE-WHEEL HOE.**—Plain.—The above tool with only one pair of hoe blades for \$3.50.

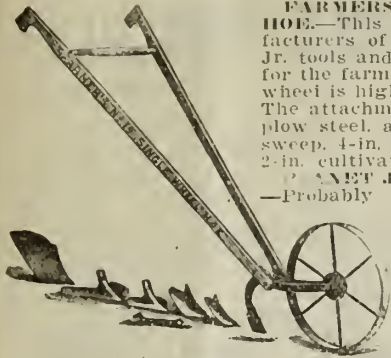
**PLANET JR. NO. 13 DOUBLE-WHEEL HOE.**—This is identical with No. 12, described on this page, but has only one pair of hoes, no other attachments. Price \$4.50.

**PLANET JR. NO. 14 DOUBLE-WHEEL DISC HOE.**—This is a new tool for 1909, especially satisfactory on heavy soils.

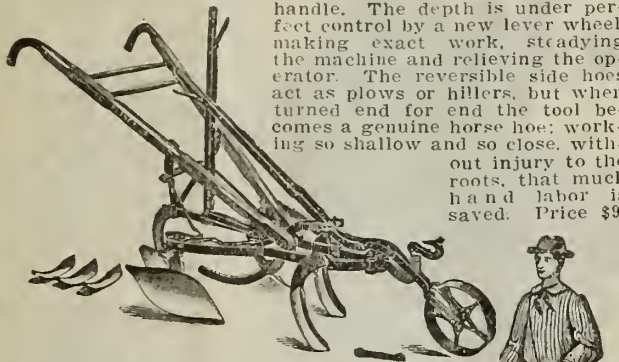


**FARMERS' SINGLE - WHEEL HOE.**—This is made by the manufacturers of the celebrated Planet Jr. tools and is especially designed for the farmers' garden work. The wheel is high so that it runs easily. The attachments consist of a large plow steel, a 10-inch sweep, 6-inch sweep, 4-in. cultivator tooth, and a 2-in. cultivator tooth. Price \$3.75.

**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 all over the civilized world. It is so well built as to stand incredible strain, yet is light and easy to handle. The depth is under perfect control by a new lever wheel, making exact work, steadying the machine and relieving the operator. The reversible side hoes act as plows or hillers, but when turned end for end the tool becomes a genuine horse hoe; working so shallow and so close, without injury to the roots, that much hand labor is saved. Price \$9.



FARMERS' SINGLE WHEEL HOE



PLANET JR NO. 8 HORSE HOE

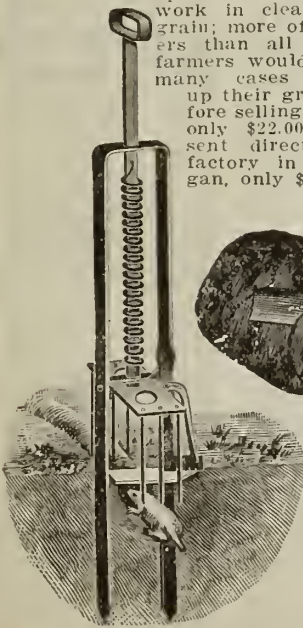
**EUREKA POTATO PLANTER.**—The best hand potato planter that we know of as it does the work perfectly. Also plants beans and seed corn equal to any corn planter. See cut. Price \$1.25.

**ACME SEED DRILL.**—A little tool of very simple construction. While not equal to the more expensive drills, still thousands of persons have been pleased with them. Price \$1.25, or to persons who order seeds from us also, the price will be only \$1.00, charges prepaid.

**EUREKA SEED DRILL.**—A great improvement on the above in every respect. Gardeners will like it for sowing seeds in hotbeds. Price \$1.25, or postpaid for \$1.50.

**DIBBER.**—Steel pointed, for transplanting vegetable plants. Each 30c, by mail 40c.

**CLIPPER SEED CLEANER.**—This is an up-draft fanning-mill and does the best work in cleaning all kinds of seed and grain; more of these are used by seed dealers than all other makes combined, and farmers would save the price of a mill in many cases by cleaning and grading up their grain before selling. Price only \$22.00, or if sent direct from factory in Michigan, only \$19.40.

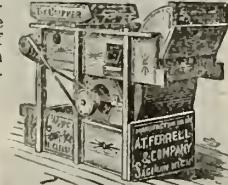


REDDICK MOLE TRAP



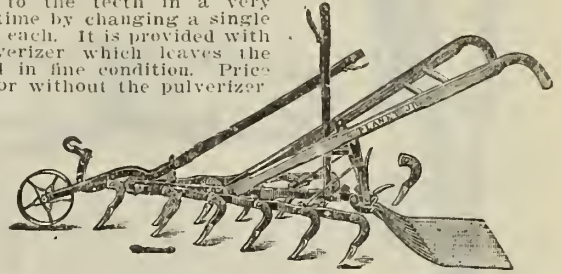
**CONCAVED AND CURVED SEED POTATO KNIFE.**—Is thin and of right shape to cut 1, 2 or 3 eye pieces fast and not crack tuber or injure germ. Ea. 30c, postpaid.

**REDDICK MOLE TRAP.**—If you are bothered with moles you should purchase one of these traps. It is undoubtedly the best trap made and no mole can pass under it and live. Price only \$1.00.



CLIPPER SEED CLEANER

**PLANET JR. TWELVE-TOOTH HARROW.**—For fine cultivation, either deep or shallow, this has no equal. Hand levers regulate both width and depth while in motion. It cultivates deep without throwing earth upon the plants, and the smooth, round throated teeth turn strawberry runners without injuring them. We know and will guarantee it to prevent clogging, and the reverse position is given to the teeth in a very short time by changing a single bolt in each. It is provided with a pulverizer which leaves the ground in fine condition. Price \$9.00, or without the pulverizer \$7.25.



PLANET JR. TWELVE-TOOTH HARROW



LITTLE GIANT BROADCAST CAST SEED SOWER

**LITTLE GIANT BROADCAST SEED SOWER.**—Simple in construction, light, strong and durable, no feed plate to carry and only weighing 3 pounds complete. Will sow orchard grass, clover, timothy, wheat, etc. Even if you only have a small field to sow it will pay you to have one of these so as to get it distributed evenly. Each \$1.25.

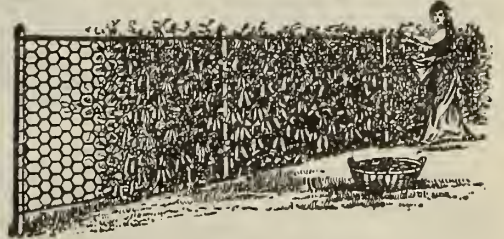


**INDIANA BROADCAST SEED SOWER.**—Has a solid malleable iron frame, but the hopper and most of the balance of the machine is made of steel. The bag will hold half a bushel. It is equipped with an agitator, thus making a practical force feed, and also with a seed gauge for adjusting quantity of seed sown. The crank can be used either on the right or left side, and it is therefore the only seeder that we know of that a left-handed operator can use with ease. It weighs only 3½ pounds; will sow 50 feet of wheat or rye at a round, 30 to 36 feet of flax, clover, timothy or millet; light grass seeds 15 to 30 feet. Price only \$1.50.



**LANG'S HAND WEEDER.**—It is our opinion this is the best weeder made. Its special advantage over all other weeders of this class is that it has a band which passes over the fingers, which, when the tool is not in use, gives full use of the hand for pulling weeds and thinning out plants without laying down the tool. Price 25c, \$2.50 per dozen, or 30c each, postpaid.

**GALVANIZED WIRE TRELLIS.**—For vines, peas, tomatoes, etc. Indispensable in every well-kept garden, is easily put up, more tidy than brush, and practically indestructible. It can be rolled up, stored away and used again year after year. Best trellis made for Sweet Peas and other flowering vines, as well as for garden peas, tomatoes, etc. Trellis of best galvanized netting, 4 feet wide, 2-inch mesh, is furnished in 10-foot lengths. Price per 10 ft. length 40c, per dozen length \$4.00.

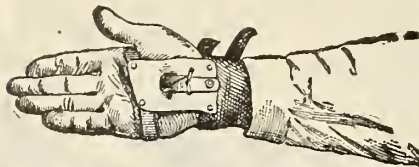


GALVANIZED WIRE TRELLIS





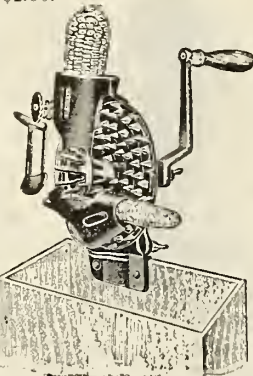
**ROTARY CORN PLANTER.**—Decidedly the best hand corn planter made, and a very desirable implement for those who have but a small field, or need to replant their ground. It puts the corn exactly where you want it and at a proper depth. Price \$1.50.



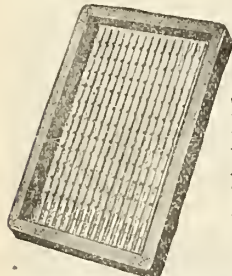
**RAMSEY ADJUSTABLE CORN HUSKER.**—Farmers say that with it they can husk 25 to 50 per cent more corn and can do it with less labor. The strain does not come on the fingers and thumb, but is on the strongest part of the hand. The husker is attached with triple straps and three buckles and fits the hand perfectly, leaving the fingers free and making a perfect wrist support. Price 50c each, postpaid; 6 for \$2.50.

CORN PLANTER.

**STAR CORN SHELLER.**—A specially desirable sheller for hand use. Has an attachment for shelling tips and butts separately, making it desirable in saving seed corn. We also supply an extra attachment for shelling pop corn which can be used as desired. Can be fastened on a box and has a reversible chute which throws the cobs out at the rear away from the shelled corn. It is strong and well made and will last a lifetime. At the extremely low price at which it is offered, and considering its durability, we consider it the best hand corn sheller on the market. Can be shipped only by express. Price each, \$1.25.



**PLANTER PATENT SEED CORN GRADER.**—A sieve grader 12x18 in. in size with screen of heavy galvanized iron and mesh especially suited to grading seed corn before planting. A cheap, quick and effective method of eliminating tip and butt grains and preparing seed for edge dropping. Will pay for itself if you only plant five acres. Each (by express only) \$1.25. If included with order for seed corn, only \$1.00.



**EXCELSIOR WEEDING HOOK.**—Can be used to great advantage among small and tender plants. Price 10c, doz. \$1.40, or postpaid for 20c each.



**BLUE GRASS STRIPPERS.**—For gathering seed. Each \$2.00.  
**GARDEN TROWELS.**—5-inch 10c, by mail 15c; 6-inch 15c, by mail 20c.  
**FLORIST TROWELS.**—Extra heavy at 40c, by mail 50c.

**CHILDREN'S GARDEN TOOLS.**

Why not give your children a garden this year? It is not only healthful exercise but they consider it play, and the care of the garden teaches them much of nature and they early learn to love flowers. The following sets of garden tools are desirable. We do not prepay express charges on these tools:

- No. 1. Consists of small hoe, rake and spade. Length 22 inches. Price per set only 10c.
- No. 2. Large and much better tools. Price per set 25c.
- No. 3. A really serviceable and desirable set. Used also by many ladies for working in their flower beds. Price per set 50c.

**BROODERS.**

**PEEP O'DAY BROODERS.**—These brooders are built for outdoor use, but can be used as indoor brooders. It is so constructed that the operator may obtain three different temperatures at the same time. The most complete brooder on the market; absolutely storm proof. Write for more complete description of incubators and brooders.

- No. 2 ..... \$12.00
- No. 3 ..... 8.50
- No. 6 with regulator ..... 14.50
- No. 8 Colony house and Brooder combined ..... 20.00

**EGGS FOR HATCHING.**

We are prepared this season to supply eggs for hatching from choice farm-raised, high-grade, thoroughbred stock of a few of the leading varieties. They are superior egg laying strains and have won many prizes at the leading poultry shows.

**BARRED PLYMOUTH ROCKS.**—The farmer's favorite. From large, well-marked stock. Price per setting of 13 eggs \$1.25.

**WHITE PLYMOUTH ROCKS.**—Great egg producers and very early to mature. Our stock is pure white. Price per setting of 13 eggs \$1.25.

**BUFF PLYMOUTH ROCKS.**—Becoming very popular as a general purpose fowl. Per setting of 13 eggs \$1.50.

**WHITE WYANDOTTES.**—Rapidly becoming favorites. They are great layers, mature early and are pure white. Price per setting of 13 eggs \$1.50.

**BLACK LANGSHANS.**—Very satisfactory for general purposes. Per setting of 13 eggs \$1.25.

**BROWN LEGHORNS.**—The greatest of all layers. Our stock is from one of the best laying strains in the country. Price per setting of 13 eggs \$1.25.

**ROSE COMB BROWN LEGHORNS.**—Per setting of 13 eggs \$1.50.

**LIGHT BRAHMAS.**—High scoring stock. Per setting of 13 eggs \$1.25.

**EGGS FOR INCUBATORS.**—Write us for prices, stating the number of eggs you will want and breed. Will quote you very lowest prices.

**BREEDING STOCK.**—A few choice cockerels and pullets at reasonable prices. Order early as our stock is limited. We send out only choice stock which will please our customers. Write for a price list.

**BRONZE TURKEYS.**—Usually scarce, but we hope to have a good supply this season. Setting of nine eggs, \$3.00.

**MAMMOTH WHITE PEKIN DUCKS.**—Per setting of nine eggs \$1.50.

Ask for our illustrated Poultry Supply List. You will find that our stock and prices are both right.



BUFF PLYMOUTH ROCK.

**INCUBATORS.**

It is our aim to furnish our customers with the very best that can be obtained in every department of our business. We are sure the Cornell Incubator cannot be surpassed as a hatching machine and we believe the easiest machine to operate that is manufactured today. The Peep O'Day Brooders are being used very extensively and are, we believe, the best brooders for the price that can be obtained.

**STANDARD CORNELL INCUBATOR.**—The Cornell Incubator is constructed on correct principles and embodies a balanced system of heating, regulation, ventilation, circulation and supplied moisture. It has no superior and with reasonable care will hatch as large a per cent of fertile eggs as is possible for any machine to hatch. After the most careful study of the different high class machines now made, we have decided to handle the Cornell, as we believe it possesses more good points than any other incubator made. It is the best finished and neatest in construction of any machine we have ever examined.



- No. 1. 128 egg size ..... \$20.00
- No. 2. 232 egg size ..... 29.00
- No. 3. 364 egg size ..... 37.00

**PETALUMA INCUBATOR NO. 51.**—An incubator with 216-egg capacity. One of the best machines now offered and we prepay the freight. We do not hesitate to recommend it as a machine which will give results and in construction it is simple and easily directed. We handle a number of different makes but consider our offer on this machine the best in our list. Price each \$27.00.

- SUCCESSFUL INCUBATORS.**—Made in Des Moines. A well known and popular incubator giving satisfaction.
- No. 3. 128-egg size, each ..... \$16.50
- No. 4. 264-egg size, each ..... 21.50

- ECLIPSE INCUBATORS.**—A low priced hatcher which gives general satisfaction.
- No. 6. 100-egg size, each ..... \$12.50
- No. 7. 200-egg size, each ..... 16.50

WE DO NOT PREPAY THE CHARGES ON ANY TOOLS OR SUNDRIES EXCEPT WHERE NOTED.



# POULTRY SUPPLIES

We handle a complete line of poultry supplies of the best quality. Prices are subject to important market changes. We will be glad to name special figures on large lots. Transportation to be paid by purchaser except where marked postpaid.

**PEARL GRIT.**—No better grit can be found for poultry. Sharp and wears sharp. Per 25lbs. 35c, 100lbs. 85c, 500lbs. or more at 75c per 100lbs.

**PEARL CHICK GRIT.**—A small grit which is a necessity when raising young chickens. Per 25lbs. 35c, 100lbs. 85c, 500lbs. or more at 75c per 100lbs.

**MICA CRYSTAL GRIT.**—Hard, sharp, and, instead of grinding smooth like an ordinary stone it breaks off in such a way that it stays sharp. It is fine for poultry, pigeons and turkeys. Price, 10lbs. 25c, 25lbs. 40c, 100lbs. \$1.00, 500 lbs. or more at 85c per 100lbs.

**CRUSHED CLAM SHELL.**—Used very extensively by poultrymen, and being harder than oyster shell, and not dissolving so readily, will serve as a grit, and at the same time contains a large amount of available lime necessary in egg production. 25lbs. 35c, 100lbs. 75c, 500lbs. at 65c.

**CRUSHED OYSTER SHELL.**—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, 10lbs. 25c, 25 lbs. 40c, 100lbs. 90c, 500lbs. at 80c.

**CRUSHED RAW BONE.**—Really better than the shell, but will pay to use both. Of the best quality, being made from fresh bones. 10lbs. 50c, 25lbs. \$1.00, 100lbs. \$2.75.

**RAW BONE MEAL.**—Ground fine for feeding small chickens; also used as a lawn fertilizer. Price, 10lbs. 45c, 25lbs. 85c, 100lbs. \$2.75.

**GROUND BEEF SCRAPS.**—Made from fresh beef, thoroughly cooked and dried. A most excellent food for young chicks or laying hens. 10lbs. 50c, 25lbs. \$1.00, 100lbs. \$3.50.



**PLYMOUTH ROCK CHICK FEED.**—This feed has been prepared with the idea of supplying a perfectly balanced ration for young chicks. It has been demonstrated that young chicks do much better on our especially prepared feed than on any moist or soft food that can be obtained. The feed is composed of various kinds of grains, grit and other nutritive foods, making it the most complete and cleanest chick feed on the market. Price per 25lb. bag, 85c, 50lbs. \$1.50, 100lbs. \$2.75.

**PLYMOUTH ROCK HEN FEED.**—In the preparation of this feed we have had in mind the production of the best feed that could be made for laying hens and the keeping of all fowls in a healthy condition. Price 25lbs. 70c, 100lbs. \$2.25.

**PLYMOUTH ROCK PIGEON FEED.**—A complete feed for pigeons, containing everything necessary for their welfare. Price, 25lbs. 85c, 100lbs. \$2.75.

**ALFALFA CLOVER MEAL.**—An excellent preparation of alfalfa containing a large amount of digestible protein, especially adapted to be fed with a mash feed. Valuable as a winter feed. Price, 10lbs. 35c, 25lbs. 65c, 100lbs. \$2.00.

**PRATT'S POULTRY REGULATOR.**—(Formerly called Pratt's Poultry Food.)—Will keep hens in good health and cure chicken cholera and other diseases of chickens and turkeys. It is a splendid egg food, endorsed by leading poultry raisers. It makes larger fowls, quickens the growth of young chicks, and sickly broods are never seen where it is used. Per 5lb. pkg. 60c, (not prepaid), 26oz. pkg. 25c, postpaid 55c. Trial size 10c, postpaid 19c.

**GAPE WORM EXTRACTOR.**—Each 15c, 4 for 50c, postpaid.

**CHARCOAL.**—Granulated to just the right sizes for either poultry or chicks. Two sizes, 5lbs. 35c, 10lbs. 60c, 25lbs. \$1.25, 50lb. bag \$1.90.

**CONKEY'S LAYING TONIC.**—Keeps fowls in the best of health, which is very essential in egg production. 1 1/2 lb. pkg. 25c, postpaid 50c; 3 1/4 lb. pkg. 50c, not prepaid.

**CONKEY'S GAPE CURE.**—A positive cure for this deadly disease. Is in powder form and mixed with soft feed. Per box 50c, postpaid.

**CONKEY'S CHOLERA CURE.**—We consider this the most dependable cholera cure known. Used in the treatment of cholera, indigestion, bowel trouble, diarrhoea and other kindred diseases. Per box 50c, postpaid.

**CONKEY'S ROUP CURE.**—This is an excellent remedy that has been thoroughly tried and meets with a ready sale, as it has given excellent satisfaction. Per box 50c, large size \$1.00, postpaid.

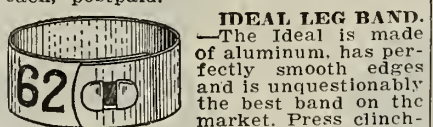
**ELECTRIC ROUP CURE.**—A guaranteed roup cure to be applied directly to the affected parts. Price 25c, postpaid 30c.

**LEE'S LICE KILLER.**—This is the result of several years' experimenting with various insecticides in search of a liquid that would eradicate lice, mites and chiggers, by applying to roost and nest boxes. It is now considered the standard liquid lice killer. Per qt. 35c, 1/2 gal. 60c, gal. \$1.00.

**CONKEY'S LICE POWDER.**—One of the most perfect lice killers in the market. Also good for fleas on dogs and other animals. 15 oz. box 25c, postpaid 40c.

**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. Pkg. of about 1lb. 25c, or by mail 40c. Trial size 10c, postpaid 20c.

**PHILADELPHIA POULTRY MARKER.**—This is a convenient little spring punch for marking chickens by making a small hole in the web of the foot. In this way they can be easily identified or followed by their peculiar tracks. 25c each, postpaid.



**IDEAL LEG BAND.**—The Ideal is made of aluminum, has perfectly smooth edges and is unquestionably the best band on the market. Press clinches down close and they will not lose off, and being so light and smooth, do not chafe the leg of the fowl. Try them once and you will use no other. Made in eight different sizes. State breed when ordering. Price 20c per doz., 80c per 100, postpaid.

**LEADER LEG BAND.**—An adjustable band which can be used for any sized fowl from a bantam to a turkey. Made of aluminum, light and smooth. Doz. 20c, 100 80c, postpaid.

**ANTISEPTIC NEST EGGS.**—Excellent to keep vermin from the nests and to cause them to leave fowls. An egg should be placed under every setting hen. Each 5c, doz. 45c. Not prepaid.

**GLASS NEST EGGS.**—5c each, 35c per doz., 4 doz. for \$1.00, not prepaid.

**FRENCH POULTRY KILLING KNIFE.**—Best and most humane method of killing all kinds of poultry. Each 40c, postpaid.

**AMERICAN WARM WATER FOUNTAIN.**—The latest and most satisfactory fountain for supplying warm water in winter. The heater can be detached and it can be used as a regular fountain in warm weather. 6-qt. size \$2.00, 3-gal. \$2.50.

**SANITARY DETACHABLE FOUNTAIN.**—Chicks can drink all around. Easily cleaned. Two-quart 25c, doz. \$2.50; gal. 35c, doz. \$3.50; 2-gal. 50c, doz. \$5.00.

**STONEWARE DRINKING FOUNTAIN.**—To keep the water cool and clean and prevent the birds from getting wet. Price, 2-qt. 25c, doz. \$2.50; gal. 35c, doz. \$3.50; 2-gal. 50c, doz. \$5.00. Very useful.

**DAVIS FOOD AND WATER FOUNTAIN.**—The neatest and best fountain on the market and the only contrivance that can be satisfactorily used for either water, grit or oyster shell and grains. Can be used with any size bottle or with glass fruit jars, either pint, quart or half-gallon size. Easily and quickly filled or cleaned. Price, each 25c, dozen \$2.65.

**HEN FRIEND DRINKING FOUNTAIN.**—Made of galvanized iron. Easily filled and handled. Sure to give satisfaction. Price 60c.

**HUMPHREY'S GREEN BONE AND VEGETABLE CUTTER.**—This is one of the leading bone cutters on the market. Be sure and investigate this mill before you purchase. The manufacturer's guarantee is given with each cutter sold. No. 1 cutter \$12.00; No. 2, semi-power, \$13.50.

**HUMPHREY'S RAPID CLOVER CUTTER.**—For cutting clover, alfalfa, etc., which are essential foods for poultry. Strong and durable with five cutting knives and double-edge stationary knife which is reversible. Price each \$11.00.

**WILSON'S BONE MILL NO. 1.**—This will grind either shell or dry bone and crack wheat or corn. The usual price is \$5.00 but we are now selling them at the reduced price of \$4.50.

**CAPONIZING INSTRUMENTS.**—Set \$2.50, prepaid.

**TESTED THERMOMETER.**—For incubators. Each 65c, postpaid.

**CLIMAX BASKETS.**—Used largely for shipping fruit, but they are also desirable for shipping eggs for setting; will hold two settings of Leghorns, etc., or one of Asiatic. Price per 10 40c, 50 for \$1.75, 100 for \$3.25.

**EYRIE EGG BOX.**—Made of corrugated paper. Very strong, light and durable. Self-locking. No. 1 holds 15 eggs, per dozen \$1.25. No. 2 holds 30 eggs, per dozen \$1.90.

**ANDERSON EGG CASES.**—Similar to above but shipped in flat, saving freight or express charges. We used these cases the past season and recommend them. Price 1 setting size \$1.10 per dozen, 2 setting size \$1.60 per dozen, 50 egg size \$2.60 per dozen.

**HAWKEYE SHIPPING COOPS.**—Strong, light and durable. No. 2—12x20 x20 inches \$3.50 per doz. No. 5—20 1/4 x 20 1/4 x20 inches \$4.35 per doz.

## Poultry Wire Netting

The best make; thoroughly galvanized to prevent rusting, and properly twisted. The following prices are subject to important market changes: Made of No. 19 wire and 2-inch mesh put up in rolls 150 feet in length.

Width Inches	Per Roll	Width Inches	Per Roll
12	\$ .90	36	\$2.70
18	1.35	48	3.60
24	1.80	60	4.50
30	2.25	72	5.40
One-inch mesh, No. 20 wire, for young chicks and Belgian hares.			
12	\$2.00	30	\$5.00
18	3.60	36	6.00
24	4.00		

Other widths if desired. Will allow 5 per cent discount on lots of five rolls or more.

Cut rolls, any width, of 2-inch mesh. 1 cent per square foot.

Cut rolls, any width, of 1-inch mesh. 2 cents per square foot.

**GALVANIZED STAPLES.**—For fastening wire poultry netting. 10 cents per pound.

**DOG REMEDIES.**—We carry a line of dog biscuits and remedies and will be pleased to send circular with descriptions and prices.



# WINDOW GARDEN SUPPLIES.

**WIRE PLANT STANDS.**—We carry a larger stock than any firm in the west, and in place of common iron frames we have them manufactured with steel frames, and they are far stronger, handsomer and lighter than any yet offered. They are well braced in every direction, with good strong casters, and will easily support all the plants that can be placed on the shelves. Nicely finished with green paint and gold bronze. Will last twenty years with proper usage, and as they weigh only 15 to 40 pounds each, the freight is trifling. Notice reduced prices.

**NO. 3.**—Similar in style to No. 10, but much larger. Height of stand and arch about 6 feet, width 4 feet, depth 31 inches. Has four legs. List price \$8.00. Our net price only \$6.50.

**NO. 4.**—Like above, but without arch or hanging basket. List price \$6.50. Net \$5.00.

**NO. 6.**—One of our most popular styles, quite ornamental, and for persons having but few plants, one of the most desirable. A vining plant set at each end of top shelf and trained over arch adds greatly to its attractive appearance. Height 6 feet, shelves 36 inches long. List price \$5.50; our price \$4.50.

**NO. 7.**—Exactly like No. 6, except that it has no arch or basket. List price \$4.00; our price \$3.40.

**NO. 8.**—Holds a large number of plants and all get equal light. Size 42 inches high, 26 inches deep; has three shelves each 36 inches long; will hold about 30 pots. List price \$6.50. Our price only \$5.00.

**NO. 9.**—Same as No. 8, with arch and basket added. List price \$8.00. Our price only \$6.50.

**NO. 10.**—A very popular stand, well shown by the engraving, but the arch is Gothic pattern, same shape as No. 3. Holds 20 to 30 plants. Height 5 feet 10 inches; width 40 inches, and 26 inches deep. We sell more of these than any other pattern and are thus enabled to make a specially low price. List price \$7.00. Our price, including arch and hanging basket, only \$5.00.

**NO. 11.**—Same as above, but without arch or hanging basket. List \$5.50. Our price \$4.50.

**WIRE WINDOW SHELF.**—These can be fastened to window frames, either inside or outside. They are strong and attractive, 36 inches long, 6 or 7 inches wide. The border is not as high as shown in the engraving. Price \$1.00 each.

**WIRE BRACKET.**—This new pattern is a very cheap, 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. Postage 8c extra.

**SULPHO TOBACCO SOAP.**—For a cheap, effective, clean and harmless insecticide for amateur and professional growers this is unexcelled. Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For domestic purposes it rids the house of cockroaches, and is a superior wash for dogs and all animals. Prevents poultry lice. A trial will give highly gratifying results. Three-ounce cake, sufficient for 1½ gals. prepared solution, 10c; by mail, postpaid, 13c. Eight-ounce cake, sufficient for four gals. prepared solution, for 20c; by mail, postpaid, 28c.

**WHALE OIL SOAP.**—An excellent preparation for plants infested by vermin. Also used against fungus diseases and will keep trunks of trees free from borers or other bark destroyers. Pound 40c, postpaid.

**FLUTED FLOWER POTS.**—A handsome new pattern. Price is the same as for the common, plain pots, so they are sure to be popular. The following prices per dozen are for the 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. Orders for these must amount to at least \$1.00. Many styles of handsome pots, jardinières and vases and hanging baskets at extremely low prices. A nice plant is deserving of one.

**TYRIAN PLANT SPRINKLER.**—Fine for house plants. You can without injuring plants or soaking earth, quickly and very effectively sprinkle them. Will keep foliage fresh and healthy and free from insects of all kinds. The bent neck enables you to spray the under sides of the leaves which are hiding places for insects. Each 75c, postpaid.

**SCOLLAY SPRINKLERS.**—Indispensable for floral work. Excellent for washing the foliage of house plants, and used for sprinkling clothes. Large, each \$1.00; small, 60c, postpaid.

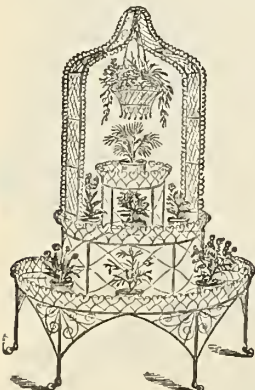
**BOWKER'S FOOD FOR FLOWERS.**—A fertilizer made especially for plants; clean, free from offensive odor and soluble in water, producing healthy plants and abundant blossoms to which it imparts brilliant color. A box sufficient for 20 plants for one year 25c or postpaid 40c; small pkg. 15c, postpaid 25c.



No. 10.



No. 6.



No. 3.

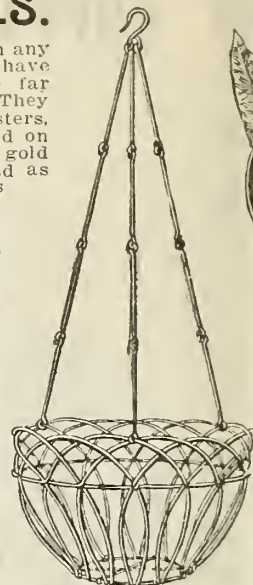


No. 8.

**WALKER'S EXCELSIOR PLANT FOOD.**—A soluble food for house plants, containing all the elements necessary to nourish and make beautiful flowers and plants. Large box sufficient for 25 plants one year 25c, or postpaid 40c; small package 15c, postpaid 25c.

**WIRE HANGING BASKETS.**—Made of wire, lined with moss, and filled with dirt they are quite attractive. Light, strong and durable. By express, 8-inch 25c, 10-inch 35c.

**HANGING BASKET CHAINS.**—Plain 3-strand steel chains each 10c, by mail 18c.



WIRE HANGING BASKET



Tyrian Sprinkler | Scollay Sprinkler



WIRE BRACKET.



WIRE WINDOW SHELF



FLUTED FLOWER POT.





## FRUIT PACKAGES.

Being the oldest as well as the largest dealer in berry boxes and other fruit packages in the west, we are prepared to furnish you the best stock made, at low prices. We handle a great many carloads each year, and from our long experience of more than a quarter of a century we are enabled to select superior stock and give instructions for cutting so that it will suit our trade. It pays to have bright, smoothly cut stock which will make the fruit look nicer and sell better. Prices named here are subject to change during season. All goods in this department go by freight or express at customer's expense for carriage. Correspondence promptly answered.

**Terms Cash With Order.**—The profit is so small on these goods that we cannot afford to make C. O. D. shipments. Order early—save delay.

**BERRY BOXES.**—Made of the best white wood (poplar), heart stock, cut smoothly, and perfect shape, size  $4\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{3}{4}$ , 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 all ready for putting together, which can be done very rapidly. Owing to scarcity of white wood and constantly increasing value of the lumber, prices are higher this year. We furnish 500 at the 1,000 rate; broken bundles at the 100 rate. Price per 100 40c, 1,000 \$3.50, 3,000 or more at \$3.35, 10,000 or more at \$3.20.

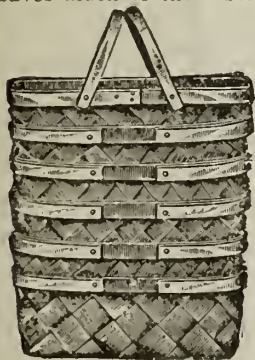
**ANNEALED TACKS.**—Made of the very best Swedes iron and of proper length so that they will go through either two or three thicknesses of the material and clinch, so as to hold securely. One pound will make 1,000 boxes. Per pound 25c, five pounds \$1.00.

**CRATES.**—Made of thoroughly seasoned stock, well ventilated at sides and bottom, but with a tight cover to protect from dust. We always ship in the flat or "knock down." They make a neat, strong and cheap package holding 16 and 24 quart boxes. Price: 16-qt. crates per 10 \$1.00, per 100 \$8.50; 24-qt. crates per 10 \$1.20, per 100 \$10.

**CRATE NAILS.**—Far superior to common nails, as they hold much better. Twelve pounds (will make 100 crates) for \$1.00.

**MAGNETIC TACK HAMMER.**—Picks up the tacks and saves much of the labor. Each 15c.

**DIAMOND MARKET BASKET.**—As will be noticed we are now having these baskets made with two handles which close down over the edge of the basket. The baskets nested in this way can be shipped at about half the cost of the old-style over-handle baskets, and they are also quite convenient for shipping the fruit in. They are used quite largely for marketing grapes, plums, cherries, etc., as well as for some kinds of vegetables. Per doz. 50c, 10 doz. \$4.65.



### CLIMAX GRAPE BASKET.

The best package for shipping grapes, cherries, plums, etc. It is the standard 8lb. size, making a strong but light package. Baskets are made of the best material. They are nested for shipment with the covers and bent handles in separate packages. Price for 10 50c, 25 for 90c, 100 for \$3.25, 1,000 for 27.00. Ask for prices in large lots.

**SMALL CLIMAX GRAPE BASKET.**—For fancy grapes, etc. Holds about 4lbs. 50c for 10, 90c for 25, \$3.25 per 100.

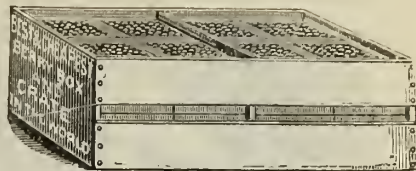
**HALF-BUSHEL BASKET.**—This is the best all-around basket for the use of farmers, fruit growers and grocers that we know of. It is very strong and well made, smooth inside, so that it does not bruise or scratch the fruit. It is particularly adapted to picking fruit, potatoes, tomatoes and other vegetables. The swinging bale makes it easily handled. Made with wideband inside. Price 20c each, \$2.00 per dozen.

**NO. 1—ONE-BUSHEL BASKET.**—The ideal basket for general use. Has 24 selected Rock Maple staves with Elm hoops and handles; also both inside and outside bottom hoops. It is also reinforced with a six-inch band around the inside at the top which makes it both smoother and stronger. It is meant for hard usage and should last many years. Each 25c, doz. \$2.70.

**STAVE BASKET COVERS.**—Made of slats for covering the basket for shipping; make a secure cover. Price for 1-bushel size 60c per dozen.

**STANDARD WIRE STAPLING MACHINE.**—The latest improved, and with it the boxes can be made with wonderful rapidity. Price \$35.00. We can also furnish a cheaper make at \$25.00.

**STAPLING WIRE.**—To use with the above machine for making boxes. Per pound, 15c, per coil of 12 pounds \$1.00, five coils or more at 85c.



**IRON MEASURES.**—Made of heavy galvanized iron with side handles, 1-ck size each 40c,  $\frac{1}{2}$  bushel each 50c, 1-bushel each 70c.

**WOOD MEASURES.**—Iron bound, to make them stronger. Half peck each 20c, peck each 25c.

## NURSERYMEN'S SUPPLIES.

**RAFFIA.**—For tying growing plants. Useful for budding. Per lb. 25c, 5lbs. \$1.00.

**TREE PRUNER.**—Strong wooden handles 24 inches long; knife 3 inches long. Has cutting knife 2 inches long. Powerful and effective. The best pruner for low-headed trees or where branches are within reach. Each \$1.50.

**WATER'S TREE PRUNER.**—The standard make; with 6 ft. pole 85c, 8 ft. pole \$1.00, 10 ft. pole \$1.20.

**IMPROVED HAND PRUNING SHEARS.**—The best hand shears on the market. Made specially for pruning berry or rose bushes, grape vines, etc. Made of best steel, 8 inches long, spiral spring. Price 75c, postpaid 90c.

**KELLEY'S PATENT PRUNING SHEAR.**—A pruning shear which cuts the twig and holds it. A splendid shear for cutting thorny plants, roses or flowers of any kind. Excellent for picking grapes. Each 75 cents.

**CONNECTICUT PRUNING SHEARS.**—A good tool for most work. Steel blades, flat spring, malleable handles. Price 50c, postpaid 65c.

**WILKINSON'S HEDGE SHEARS.**—The best hedge trimmer that we know of. Prices, 10-inch blade \$3.00; 12-inch blade, \$4.00 per pair.

**TREE LABELS.**— $3\frac{1}{2}$ -inch, plain, copper wire. Per 1,000 \$1.00. Not wired, per 1,000 75c.

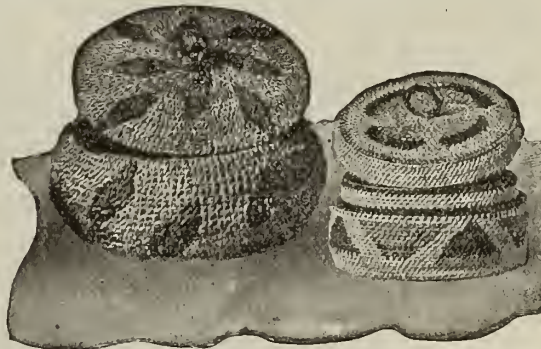
**POT LABELS.**—Plain wood labels, 4-inch, per 1,000 75c; 6-inch \$1.25; 10-inch, painted, per 100 60c.

**CANE PLANT STAKES.**—Per 100 \$1.25.

**TWINE.**—Sewing twine for burlap, bags, etc., per lb. 30c. No. 18 BC flax twine, a strong twine for small parcels and bundles, per lb. 30c. Wool twine, large soft, No. 1  $\frac{1}{2}$  twine; useful for baling. Per lb. 12c. Tanned lath yarn, for outdoor tying. Withstands dampness. Per lb. 15c.

**SPAGNUM MOSS.**—For packing plants and soft nursery stock. Write for price in quantity. Large bale \$1.25.

## RAFFIA WORK.



Making Indian Baskets is now attracting a great deal of attention, and the work is taught in public schools, art classes, etc. It is a very interesting and fascinating pastime, is easily learned and many ornamental pieces are made. We furnish the materials in large quantities to schools, as well as to private parties. Our stock is unsurpassed.

**NATURAL RAFFIA.**—Per bunch (about 3 oz.) 10c, lb. 25c, 5lbs. \$1.00.

**COLORADO RAFFIA.**—In many handsome colors, such as light and dark red, pink, three shades of green, light and navy blue, light and dark brown, orange, yellow, black, purple, etc. Price per bunch (about 2 oz.) 10c, lb. 75c. Mixed colors same price. Bleached white bunch 15c, lb. \$1.25.

**REEDS.**—(Rattan).—Any size, 10c per bunch. The No. 1 \$1.50 per lb., No. 2 \$1.25, No. 3 \$1.00, No. 4 85c, No. 5 75c, No. 6 60c, No. 8 50c per lb.

**Postage.**—If to be sent by mail, add 3 cents per bunch, 16c per lb. for postage on the above Raffia and Reeds.

**RAFFIA NEEDLES.**—12c per package, postpaid.

**HOW TO DO IT.**—A book telling how to make baskets and other Raffia weaving. Price 25c.



# SPRAYERS AND INSECTICIDES.

Each year proves the importance of spraying fruit trees and plants in order to destroy the insects and secure a good crop of fruit. The largest and most successful fruit growers are the most enthusiastic on spraying. It will pay you to invest in spraying apparatus if you have only one fruit tree. The spraying of apple and plum trees is especially recommended. Will furnish table giving formula for making mixtures and directions for application of same, upon request.



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. Can be sent by express only.

**BRANDT COMPRESSED AIR SPRAYER.**—This is made on an entirely new principle that gives a continuously uniform pressure so that a uniform discharge is always secured from the nozzle. In our tests we have found it superior to any other make. Ask for circular. Price \$5.50; double nozzle \$1.00 extra.

**RIPLEY'S COMPRESSED AIR SPRAYER.**—It is claimed by the manufacturer that it will stand a greater pressure and force a finer spray or a continuous stream a greater distance than any other compressed air sprayer made. It is made to strap to body



BRANDT COMPRESSED AIR SPRAYER.

and a person can walk along and spray at leisure by simply turning the stop cock off and on. These sprayers are all fitted with single Vermorel nozzle for fine or coarse spray, and with three feet of hose.

No. 15—4-gal. galvanized, the most convenient size, each.....\$5.00

No. 16—4-gal. copper, will last the longest in using poison solution, ea. 7.00

**FAULTLESS INSECT SPRAYER.**—An all brass hand sprayer. Will not rust. The best hand sprayer for applying liquids and insecticides to poultry houses and live stock. Also valuable for spraying grapevines, small trees and shrubbery. Made of heavy brass and very durable. Price by express, not prepaid. \$1.00. Same, made of tin, 50c.

**LEVER BUCKET OR BARREL SPRAY PUMP.**—Similar to the Little Giant, but has lever handle and can be attached to barrel or bucket. Price \$4.75; with 8-foot extension \$5.25 each.

**LIGHTNING SPRAYING PUMP.**—A low-priced serviceable bucket spraying pump that will give satisfactory results. It is made of heavy galvanized iron, furnished with nozzle for throwing either a stream or a spray. Each \$1.90.

**MYER'S BARREL SPRAY PUMP.**—This is a most complete and satisfactory spraying pump and especially adapted for spraying large orchards. The cylinder, valves, valve seat and discharge are all brass. Furnished complete with five feet of discharge hose. Price \$9.00; 8-foot extension pipe 50c extra.

**LIGHTNING ATOMIZER NO. 2.**—One of the best insect exterminators on the market. The reservoir is made of the best brass with double tube and has double the capacity of any other atomizer that we know of, thoroughly covering a wide space at each action of the handle, and spray is so fine that it thoroughly covers both under and upper sides of the leaves. Price \$1.00; postage 25c extra.

**LIGHTNING COMPRESSED AIR SPRAYER NO. 30.**—An improved heavy galvanized iron tank, holding two gallons, which works with a compressed air pump automatically. Will give a fine mist spray or throw a solid stream 20 feet high. It is provided with a safety valve to prevent over-pressure and a strainer so no sediment can obstruct pipe. Complete with hose and new style spring faucet, only \$2.50; 3-foot brass extension pipe 50c.

**THE LITTLE GIANT HUCKET SPRAY PUMP.**—Constructed entirely of brass and is provided with a large air chamber and has ball valves, and the pressure is held uniformly in the air chamber and on the hose, so that the nozzle throws a continuous spray. Will throw a solid stream 50 to 60 feet; fitted with hose and imperial combination and fine and coarse spray and solid stream nozzle and malleable foot rest. Price \$3.75; with 8-foot pipe extension \$4.25.

**STAR INSECT POWDER GUN.**—Handy size for house use to blow powder in cracks and crevices. Largely used for killing houseflies. Each 10c, postpaid 13c.

A circular giving full information for making all the best spraying preparations and instructions how and when to use them, mailed free on request.



FAULTLESS SPRAYER.

**BELLOWS.**—Use for applying Slug Shot or any kind of insect powder. It is thoroughly well made and works well. Length 23 inches. Holds 6oz. of powder. Price \$1.00. Postage, if sent by mail, 30c extra. Spreader for distributing powder evenly, 25c extra.

**DALMATIAN INSECT POWDER.**—The best grade, fresh and nice. It does not pay to use cheap ordinary grades. Pound 40c, 5lbs. or more at 35c; postage 10c per pound extra.

**TOBACCO DUST.**—Destroys rose bugs, lice, cut worms, vine bugs, tomato worms cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines. Will not burn or injure the plants. Price lb. 10c, 5lbs. for 25c; 16c per lb. extra if by mail.

**ANT EXTERMINATOR.**—Ants become great pests and disfigure the lawn badly with their piles of dirt. This is a non-poisonous powder which, when sprinkled around, will kill or drive away ants from lawns, trees, houses, etc. Has proven very satisfactory to our customers. Price 25c; by mail 30c.

**CONKEY'S FLY KNOCKER.**—Kills all flies and insects it strikes, and drives others away. A great relief to cows and horses. Especially valuable to dairymen. Stock of any kind sprayed with Fly Knocker will not be troubled with insects while feeding. Can be economically applied by using our Faultless Sprayer. Price 1 qt. 45c, 2 qts. 75c, 1 gal. \$1.25. 5-gallon can (jacketed) \$5.00.

**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, cabbage, currants, vegetables and fruits of all kinds. This preparation, though poisonous to insects, does not injure the foliage in the least. When you order your seeds, if you have not tried Hammond's Slug Shot, order a five or ten pound package. Not prepaid, 5lbs. 30c, 10lbs. 60c, 25lbs. or more at 5c per lb.; postpaid, 1lb. 25c, 4lbs. 95c.

**HAMMOND'S GRAPE DUST.**—A fungicide in light powder form easily dissolved in water. Destroys mildew and blight and kills Aphis and Black Fly. 5lb. pkg. 50c, by express.

**HAMMOND'S HORICUM.**—A special liquid preparation of lime, sulphur and salt which will destroy San Jose Scale. All other fungus diseases of plant life are eradicated by it. Qt. 50c, by express.

**DUSTERS.**—Buckets with perforated bottom, used for applying Slug Shot. Each 35c.

**PRESTON LAWN SPRINKLER.**—The whirling arms give a beautiful fountain-like appearance and fine spray. One of the most effective sprinklers made. The whirling arms distribute the water evenly, give a fine spray, cover a large circle and make a very attractive appearance on the lawn. The sled arrangement on which it rests makes it easy to move from place to place by pulling hose. Each \$1.35.

**SULPHO-TOBACCO SOAP.**—A valuable insecticide. Is listed with window garden supplies.

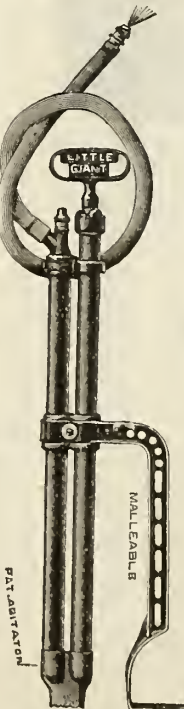
**WHALE OIL SOAP.**—Noted on same page with above. Per lb. by mail, postpaid, 40c.

**SHIELD WEED KILLER.**—(See page 105.) A preparation for destroying weeds on the lawn. Per 1½lb. pkg. 25c, or postpaid 50c.

**RESOLVENT SULPHATE OF IRON.**—(See page 45.) A chemical product to destroy weeds in grain fields and on the farm. Per 100lbs., by freight, \$5.50.



LIGHTNING COMPRESSED AIR SPRAY



LITTLE GIANT PUMP.

IF YOU WANT SUCCESS WITH FRUITS OR FLOWERS YOU MUST USE A SPRAYER TO DESTROY INSECTS.



# 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. The reason for this is that we handle many thousand birds annually and have the **largest mail order bird business in America.** 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. Ask for special quotations if you desire several birds or a large lot of supplies. The winter is the best time to ship canaries.



HARTZ MOUNTAIN CANARY.



PARROT IN ROUND CAGE.

## PARROTS.

During the past year we have sold about 1,500 parrots, shipping to almost every town of importance in the United States. We guarantee each bird to learn to talk. Parrot catalogue free.

**MEXICAN DOUBLE YELLOW HEAD PARROT.**—This is the most generally satisfactory of all species of parrots. If the teaching of these birds begins when they are young, they learn to talk very readily and become quite fluent. This bird is frequently called the operatic star owing to his natural gift of song. Usual price \$15 each. During the summer price for young birds is lower.

**MEXICAN RED HEAD PARROTS.**—Not quite so large as Mexican Yellow Head, but very kind and gentle in disposition. Make fine pets. Price \$5.00 to \$40.00.

**CUBAN PARROTS.**—Somewhat smaller than Mexican Yellow Head and preferred by some. Perhaps a little harder constitution, but not quite so tame. Prices range from \$5.00 to \$25.00.

**BIRD NESTING.**—10c pkg., postpaid.

**TOY BELL.**—For birds, 7c, postpaid.

**PARROT BELLS.**—Ea. 10c, postpaid.

**FOOD HOLDER.**—Fastens between the wires of the cage. Is nice for holding Song Restorer, Cattle Bone, lettuce, apple, or other food. Price 10c, postpaid.

**BIRD INSEC. DESTROYER.**—Pkg. 10c, 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. Small cakes 5c each, dozen 50c, postpaid.

**IDEAL BIRD GRAVEL.**—Of superior quality. Per 2lb. pkg. 10c, \$1.00 dozen. Postage 32c per pkg. extra.

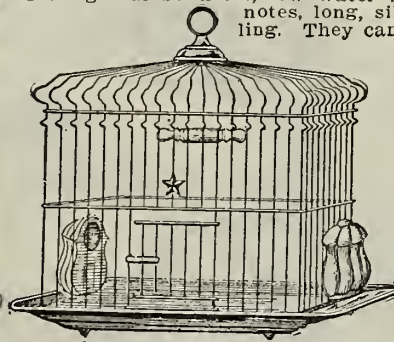
**BIRD CAGE SPRINGS.**—Brass, 10c each, postpaid. Double spring 15c.

**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 common American "screeching" canaries, 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. Choice male birds \$3.00 each; second grade birds \$2.25

**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 bellnotes, 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 surprises one by its many changes. They are an ideal bird for an invalid and are often presented by our customers to their sick friends. \$5.00 each.

**EUROPEAN GOLD-FINCH.**—The most delightful of parlor birds. Has brilliant plumage and usually an excellent song. \$2.50 each.

**IMPROVED BRASS CAGES.**—Thoroughly well made and decidedly better than



IMPROVED BRASS CAGE.

Painted cages for birds. Sizes, 5 1/4 x 8 1/2 in. 75c, 6 x 9 \$1.00, 6 1/2 x 9 1/2 \$1.25, 7 x 10 \$1.50, 7 3/4 x 10 3/4 \$2.00, 8 1/4 x 11 1/2 \$2.50.

**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 6 x 9 \$2.00, 7 x 10 \$2.75, 8 3/4 x 11 3/4 \$3.25, 8 3/4 x 11 3/4, fancy top like cut, \$5.00.

**MOCKING BIRD CAGES.**—Wood frame, 17 in. long, \$2.00, 19 in. \$2.25, 21 in. \$2.50, 24 in. \$2.75, 26 in. \$3.00.

## 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 is 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.**—Is a specialty with us and we sell tons of it. Per lb. 10c, 3lbs. 25c, 13lbs. \$1.00, 50lbs. \$3.50, 100lbs. \$6.75. Postage 10c per lb. extra.

**GERMAN SUMMER RAPE.**—Fed very largely to trained canaries. Same price as above.

**SICILY CANARY.**—Best re-cleaned, the same price.

**MAMMOTH RUSSIAN SUNFLOWER.**—Same price.

**MIXED PARROT SEED.**—Same price.

**WIRE NESTS.**—10c, postpaid.

**BIRD DAINTIES.**—Pkg. 15c, postpaid.

**CUTTLE BONE.**—Large piece with a holder 7c, dozen 60c, postpaid.

**PREPARED MOCKING BIRD FOOD.**—Best food on the market for all soft billed birds. Per large can 35c, postpaid 50c.

**RED BIRD MIXTURE.**—For Red Birds, Grosbeaks, etc. Same price as Superior Mixed.

**PARROT DAINTIES.**—Per pkg. 25c, postpaid.

**I. S. CO.'S BIRD TONIC.**—An excellent remedy for cold, asthma, hoarseness, and other throat ailments, restoring the voice and making it clearer. It is an invigorating tonic for cage birds of all kinds. Price per bottle 15c, postpaid 25c.

**BIRD HEALTH.**—A preparation of our own which will keep birds in good condition at all times. Price per 2 oz. box 15c, postpaid. Four boxes for 50c.





# THE AQUARIUM.



GLASS FISH GLOBE.

**GOLD FISH.**—While there are many varieties of gold fish as shown in our illustration, in this list we refer to the plain variety only by this name. These are more popular than the fancy sorts, being 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, 10c, 15, 25c, 35c, 50c and \$1.00 each, according to size. Extra choice three-color specimens, when obtainable, \$1.00 each. The 25c size (5 for \$1.00) is the most popular. The largest size is only suitable for ponds or fountains.

**SILVER FISH.**—This is simply an uncolored gold fish of dark silvery color. Nice for a variety. Medium size 10c each, 6 for 50c.

**PEARL FISH.**—These elegant fish are either of a clear pearly white color or white is variegated with gold markings. Medium size 25c each, 5 for \$1.00.

**AMERICAN FANTAIL FISH.**—These are bred from the imported Japanese fish and are very handsome. Price, according to size, shape and color, 25c, 35c, 50c, and 75c each.

**ORIOLE FISH.**—Beautifully variegated golden red and clear black. Medium size 25c each.

**AQUARIUM CASTLES.**—Styles for 8-inch fish globes 35c, postpaid or 30c by express, not prepaid. For 10-inch globes 60c, postpaid, or 35c, not prepaid. Larger and special styles for oblong aquariums each 50c, 75c and \$1.00 by express, not prepaid. (Too heavy to mail.)

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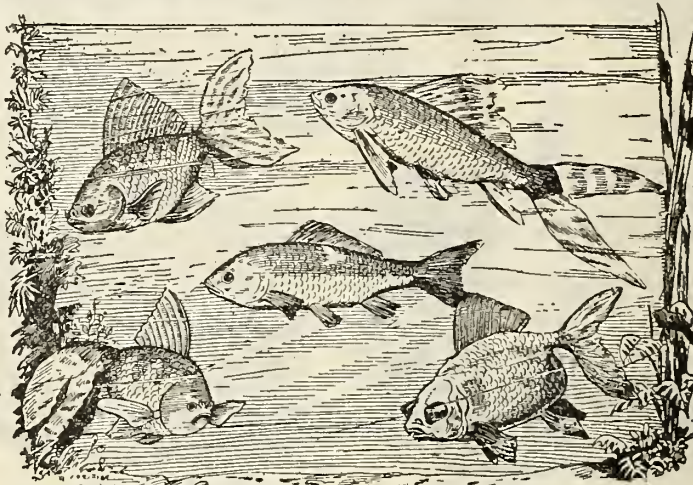
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COMET  
TELESCOPE

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	Violets, per bunch. \$ .50 to \$1.00



WREATH TIED WITH RIBBON.



PILLOW.





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**VICTOR ASTER.**—A magnificent branching variety producing a wealth of the most beautiful flowers of immense size. It is a special mixture of the choicest colors and will produce a constant succession of bloom throughout the season. Last spring we sent out thousands of trial packets to our customers and the reports received are universally in praise of it, nearly every one pronouncing it the finest strain of asters in existence. Pkt. 20c.

**DWARF WHITE DOLICHOS.**—A bush form of the well known Hyacinth Bean, which is so popular as a summer climber. The blossoms of this bush variety are somewhat similar in appearance to the sweet pea, but are borne on long racemes. Flowers are pure white and very lovely, and are followed by colored pods which are quite ornamental. Foliage is bright green, is not troubled with insects and the contrast of flowers, pods and foliage is a very pleasing combination. Pkt. 10c.

**PILLAR OF GOLD SUNFLOWER.**—A novelty which originated on our own farms and is now offered for the first time. It is a beautiful new double sunflower, growing about 4 feet high. The flowers are borne on very short branching stems, so that they are held closely to the main stalk, and in such great profusion that when in full bloom very little of the foliage is noticeable and at a short distance it seems a pillar of bright golden yellow, formed of glorious perfectly double flowers. It is in our opinion the best decorative sunflower yet produced, and if planted in masses or rows will draw the attention of everyone by the flaming glow of color. Pkt. 15c.

**EXHIBITION PRIZE PANSY.**—A new strain of the choicest foreign pansies. No flower in the entire list is the subject of such universal continuous selection and improvement as is the pansy. Every grower of seeds in Europe is striving to make his particular strain superior to that of others, and the result is the keenest competition for prizes offered at the great continental flower shows. We have secured a supply of seed from a prize-winning strain at international shows and offer it in mixed colors under the above name. When you consider that this is named by competent judges as the best produced we feel sure you will want to try it and learn for yourself the perfection to which pansy culture has arrived. Per pkt. 15c.

**MARGUERITE CARNATION.**—While these are not a novelty, they are so lovely and fragrant that they will delight all growers, and we have produced by selection such a fine strain of them that we list them here in our Victor Collection, as worthy of a place in the choicest collection of garden flowers. They bloom in about four months from sowing, and the color, markings, variegations and shadings are wonderful. Our seed is from selected flowers of high type and about 80 per cent will be double. Pkt. 10c.



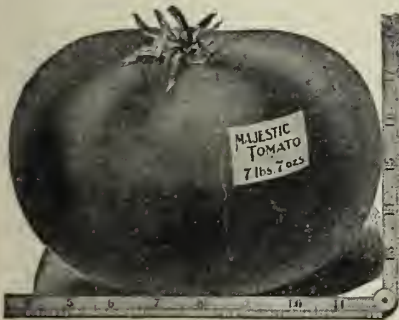
## A LAST WORD

Before laying the catalogue aside we ask you to pass judgment. We believe we present you with the most complete and practical catalogue that you have seen. Don't you believe that it will pay you to purchase our seeds, plants and other goods of us? Our catalogue is an index of our long experience in growing and handling seeds and our facilities are unequalled for prompt and efficient service. We offer you the full benefit of our establishment and solicit a trial order that we may demonstrate our claims.

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# OUR GRAND TOMATO TRIO THE THREE MAJESTICS

One Packet Each of THE THREE MAJESTICS For 40c.



MAJESTIC

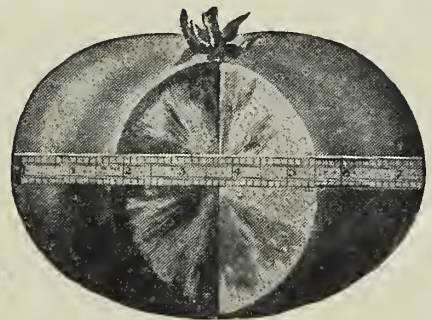
The largest, handsomest and finest quality tomato ever sent out. When we first secured this grand sort we knew that it was of exceptional merit, and superior in size and flavor to anything on the market, but were astonished at the reports received from our customers. Thousands of letters arrived speaking of it in highest praise. Undoubtedly the largest fruited of any, and the fruit is solid, weighing more than its size would indicate. Many so-called large varieties produce a few large fruits and a great multitude of small ones, but this variety is almost uniformly large. The first fruit matured is somewhat rough, but later they are smooth and handsome; of a rosy red color, ripening evenly all over, way up to the stem. When cut it is a rich coral red color, its core blending into delicate shell-rose tints. Fruit is unusually solid, very small seed cells, few in number and near the surface. Flesh is tender, fine-grained and rich, yet of mild, delicate flavor, being of the sub-acid class. Skin is thin, yet tough, and not liable to crack on the vines or in handling; making it a good shipping variety. Plant is

of vigorous growth from start to finish, producing fruit nearly as early as the small extra early sorts. Many customers reported specimens weighing 3 lbs. to 7 lbs. each. The largest were, of course, grown by special culture, allowing only one or two fruits to ripen on a plant. In this way the whole strength of the vine goes to the fruit and the size is increased greatly. There were also many reports of 120 lbs. to 160 lbs. of tomatoes grown on one plant. Just think what a crop on an acre of such tomatoes. Pkt. 10c, oz. 75c.



GOLDEN MAJESTIC

Our new introduction of this year. The golden member of our great triumvirate. Fully equal to its elder brothers in size, solidity, yield and flavor. Without hesitation we pronounce it the grandest yellow tomato in existence. The tomato is undoubtedly the most popular vegetable in America and nothing presents a more appetizing appearance on the table than thick, luscious slices of alternating purple, red, and yellow, cut from our Majestics. Pkt. only 30c.



RED MAJESTIC

This new variety which we offered last year for the first time appears to have all the good qualities as well as the large size of the world renowned Majestic, but is of a bright crimson red in color and for this reason may be preferred by some. It is also of special value for growing on a trellis and will quickly cover a support 6 or 8 feet high and bears its fruit well up from the ground out of reach of the chickens. Our customers were delighted with it, and hundreds report that it is the finest variety that they have ever grown. Many growing both this and the purple Majestic pronounce the red variety superior. Pkt. 15c, oz. \$1.00.

## Majestic Tomato Plants

Strong Well Grown Transplanted Plants.

Majestic.....	per doz.	40 cts.
Red Majestic.....	" "	40 "
Golden Majestic.....	" "	40 "

One Dozen of Each for Only \$1.00 Postpaid.



**VICTOR COLLECTION.**

- 1. VICTOR ASTERS .20¢
- 2. DWF. WHITE BUSH DOLICHOS .10¢
- 3. PILLAR OF GOLD SUNFLOWER .15¢
- 4. EXHIBITION PRIZE PANSY 15¢
- 5. MARGUERITE CARNATION .10¢

FIVE PACKETS  
40¢



RED MAJESTIC

GOLDEN MAJESTIC



THREE MAJESTIC  
TOMATOES  
FIVE PACKET EACH 40¢